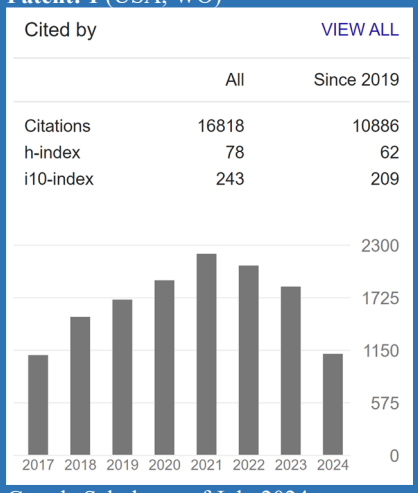
C V - S U M M A R Y

Publishing Track Record:

Peer-reviewed publications: ~270
Books: 1 Book, **12** Chapters
Conference Presentations: 220+
Patent: 1 (USA, WO)



Google Scholar as of July 2024
https://scholar.google.com.tr/citations?user=pKzhjEQAAAAJ&hl=en

Awards/Fellowships:

- **FRSC - Fellow of the Royal Society of Chemistry**
  2016 International Cyclodextrin Jozsef Szejtli Award (given bi-annually, presented to Young Scientist recognizing outstanding achievements in Cyclodextrin research)
- **2014 TÜBİTAK Incentive Award** (the most prestigious award in Turkey, given by TUBITAK-Scientific & Technical Research Council of Turkey) (given only under 40 years of age)
- **2012 Fiber Society Distinguished Achievement Award**
- **2012 Turkish Academy of Sciences Outstanding Young Scientists Award (TÜBA-GEBİP)** (the second most prestigious award in Turkey, given by TUBA, given under 40)
- **2010 METU Prof. Dr. Mustafa Parlar Foundation Research Incentive Award** (given only under 40)
- **2009 FABED Outstanding Young Scientist Award** (given only under 40 years of age)

Research Interests:

Functional Nanofibers and Nanotextiles;

- **Textiles** (nanotextiles, medical textiles, protective textiles, sustainable fibers, upcycling of textile wastes, sustainable natural dyes for textiles, e-textiles)
- **Health Care** (nanofiber-based fast-dissolving and controlled drug delivery systems, wound dressing)
- **Environmental/Filtration** (nanofiber-based materials for molecular filtration, wastewater treatment and VOC capture)
- **Food, Food Packaging, Agriculture** (nanofiber-based nanoencapsulation of food additives (essential oils, antioxidants, antibacterials, food supplements); nanofiber-based active food packaging materials; nanoencapsulation of agricultural active agents)

B I O G R A P H Y

A s s o c . P r o f . T A M E R U Y A R

Dr. Uyar obtained his Ph.D. degree from North Carolina State University (NCSU) (Raleigh, NC, USA), College of Textiles, Fiber & Polymer Science in 2005. Currently, Dr. Uyar is an Associate Professor at Department of Human Centered Design (formerly Fiber Science & Apperal Design) at Cornell University (Ithaca, NY, USA). Before joining Cornell in Jan 2019, Dr. Uyar was appointed as an Associate Professor (2014-2018) and Assistant Professor (2009-2014) at UNAM- Institute of Materials Science & Nanotechnology at Bilkent University (Ankara, Turkey). Previously, Dr. Uyar was an Assistant Professor at Interdisciplinary Nanoscience Center (iNANO) at Aarhus University (Denmark) (2007-2008). He carried out his postdoctoral research at iNANO (2006-2007) and at Macromolecular Sci. & Eng., Case Western Reserve University (Cleveland, OH, USA) (2005-2006). During his Ph.D., he enrolled in industry internship during summer (summer of 2002, 2003 and 2004) at Baby Care R&D at Procter & Gamble (P&G) Company (Cincinnati, OH, USA). He has completed two M.S. programs; from Materials Sci & Eng at University of Cincinnati (OH, USA) (2002) and from Chemistry at Middle East Technical Univ (METU) (2000), Turkey. He received his B.S. degrees in Chemistry Education double major with Chemistry at METU (1998), graduated with honors.

Currently, Dr. Uyar is leading NanoFibers & NanoTextiles Laboratory at Fiber Science program at Department of Human Centered Design at Cornell University. His main research focus is nanofibers and nanotextiles with novel functionalities for applications in Textiles, Health Care, Environmental/Filtration, Food & Food Packaging, and Agriculture.

Dr. Uyar has published 270+ peer-reviewed scientific papers with ~16,800 citations (h-index=78), and he is the editor of 1 Book, and co-author of 12 Book Chapters. Dr. Uyar and his research group members have given 220+ presentations in International/National conferences.

Dr. Uyar is a FRSC-Fellow of the Royal Society of Chemistry since 2021. He serves as Associate Editor for AATCC Journal of Research (2023-present), Editorial Board Member for Scientific Reports (2017-present) Editorial Board of Journal of Nanomaterials (2014-2022) and Editorial Advisory Board of e-Polymers (2014-present). He served as the Vice-Chair of COST Action MP1206 - Electrospun Nano-fibres for bio inspired composite materials and innovative industrial applications (2013-2017). He has organized/co-organized several symposiums/workshops, and he served on Scientific Committees in many international conferences/workshops.

Prof. Uyar is the recipient of several prestigious awards, including •2016 International Cyclodextrin Jozsef Szejtli Award, •2014 TÜBİTAK Incentive Award, •2012 Fiber Society Distinguished Achievement Award, •2012 Turkish Academy of Sciences Outstanding Young Scientists Award (TÜBA-GEBİP), • 2010 METU Parlar Foundation Research Incentive Award, •2010 EU-FP7 Marie Curie International Reintegration Grant (IRG) Fellowship, •2009 Outstanding Young Scientist Award by Feyzi Akkaya Science Foundation (FABED).

CURRICULUM VITAE
TAMER UYAR, Ph.D.

1. PERSONAL DATA

Address: Cornell University, Department of Human Centered Design, College of Human Ecology, 273 Human Ecology Building, Ithaca, NY,14853, USA
Phone: +1 607 280 7894 (mobile)
E-mail: tu46@cornell.edu
Webpage: http://tameruyar.wixsite.com/cornell, https://www.human.cornell.edu/people/tu46
Google Scholar:https://scholar.google.com.tr/citations?user=pKzhjEQAAAAJ&hl=en
ORCID ID: 0000-0002-3989-4481
Web of Science ResearcherID: GDX-9673-2022

2. EDUCATION

Ph.D., Fiber & Polymer Science, (2002 - 2005)
College of Textiles, North Carolina State University, Raleigh, North Carolina, USA
Ph.D. Dissertation**:* Nano-structuring of Polymers with Cyclodextrins (Advisor**:* Prof. Alan E. Tonelli)

M.S., Materials Science & Engineering, (2000 - 2002)
University of Cincinnati, Cincinnati, Ohio, USA
Thesis: Formation & Characterization of Polypyrrole/(Polyaniline-Polypyrrole) Composite Coatings (***Advisor**:* Prof. Jude O. Iroh)

M.S., Chemistry, (1998 - 2000)
Middle East Technical University (METU), Ankara, TURKEY
Thesis**:* Structural Investigation of Polypyrrole via Mass Spectroscopy (Advisor**:* Prof. Levent Toppare and Prof. Jale Hacaloglu)

B.S., Chemistry Education double major with **Chemistry**, (1994-1998) (graduated with honor degrees, graduated Top 2nd in the class of Chem. Ed.) Middle East Technical Univ, Ankara, TURKEY

3. ACADEMIC APPOINTMENTS

Associate Professor (01/2019 – present)
Department of Human Centered Design (formerly Fiber Science & Apparel Design), College of Human Ecology, Cornell University, Ithaca, NY, USA

Graduate Field Member of Mat Sci. & Eng. (Cornell) (01/2023 – present)

Associate Professor (03/2014– 12/2018)
UNAM-Institute of Materials Science & Nanotechnology, Bilkent University, Ankara, TURKEY

Assistant Professor (01/2009 – 03/2014)
UNAM-Institute of Materials Science & Nanotechnology, Bilkent University, Ankara, TURKEY

Assistant Professor (11/2007 - 12/2008)
Interdisciplinary Nanoscience Center (iNANO), Aarhus University, DENMARK

Postdoctoral Research Associate, (10/2006 - 11/2007)
Interdisciplinary Nanoscience Center (iNANO), Aarhus University, DENMARK
Supervisor*:* Prof. Flemming Besenbacher
Project: Development of functional polymeric nanofibers by electrospinning and their applications

Postdoctoral Research Associate, (10/2005 – 09/2006)
Macromolecular Science & Engineering Dept, Case Western Reserve University, Cleveland, Ohio, USA
Supervisor: Prof. Hatsuo Ishida
Project: Development of Polybenzoxazines (new class of phenolic type resins) for High Performance Composite Materials and Their Applications in Deep-Space (funded by NASA, mission to Mars Project)

Research Assistant, (08/2002 – 09/2005)
Fiber & Polymer Science, North Carolina State Univ., Raleigh, NC, USA
Project: Nanostructuring of Polymers with Cyclodextrins to Improve Their Bulk Properties

Summer Internships during Ph.D., (summer of 2002, 2003 and 2004)
Procter & Gamble, Baby Care Materials Technology Development, Cincinnati, Ohio, USA
Projects: 1. Rheology of Biopolymers and Evaluation of Their Performance as Thickeners
2. Development and Processing of Elastomeric Nanocomposites and Their Mechanical Properties

Research Assistant and **Teaching Assistant** (09/2001 – 08/2002)
Materials Science & Engineering, University of Cincinnati, Cincinnati, Ohio, USA
Project: Development and Processing of Multi-Functional Conductive Polymeric Coatings
Teaching Assistant (TA) in Courses: *"Polymer Characterization Lab", "Polymeric Composites"*

Teaching Assistant, (09/1998 – 08/2000)
Chemistry Department, Middle East Technical University, Ankara, Turkey
Course Taught: *General Chemistry Laboratory*

4. HONORS, AWARDS, ACHIEVEMENTS, and SCHOLARLY ACTIVITIES

ACADEMIC AWARDS/FELLOWSHIPS

2021 **Fellow of the Royal Society of Chemistry (FRSC)** *(since March 2021)*

2016 **International Cyclodextrin Jozsef Szejtli Award** *(presented to Young Cyclodextrin Scientists recognizing outstanding achievements in the area of Cyclodextrin research)*

2014 **TÜBİTAK *Incentive Award*** *(the most prestigious award in Turkey, given by Scientific & Technical Research Council of Turkey-TUBITAK) (given only under 40 years of age)*

2012 **Fiber Society *Distinguished Achievement Award***

2012 **Turkish Academy of Sciences *Outstanding Young Scientists Award* (TÜBA-GEBİP)**

2010 **METU Prof. Dr. Mustafa Parlar Foundation *Research Incentive Award*** *(given only under 40)*

2010 **EU FP7, *Marie Curie International Reintegration Grant (IRG) Fellowship***

2009 ***Outstanding Young Scientist Award* by Feyzi Akkaya Science Foundation (FABED)** *(given only under 40 years of age)*

1999-2000 ***BIDEB Graduate Scholarship***, TÜBİTAK

1995-1998 ***Undergraduate Scholarship*** by SONMAK Co., (given to honor students only)

1994-1995 ***Ranked 1st with highest GPA*** in Chemistry Education Department (1994/1995 and 1995/1996 Academic Years), Middle East Technical University (METU), Ankara, Turkey

EDITORIAL:

04/2023–present: **Associate Editor**, ***AATCC Journal of Research*** (https://journals.sagepub.com/home/AAT)

02/2017–present: **Editorial Board Member**, ***Scientific Reports*** (http://www.nature.com/srep/)

01/2014–present: **Editorial Advisory Board**, ***e-Polymers*** (http://www.degruyter.com/view/j/epoly)

07/2014–03/2022: **Editorial Board**, ***Journal of Nanomaterials*** (http://www.hindawi.com/journals/jnm)

07/2014–12/2019:**Editor-in-Chief and Founding Editor**, ***Electrospinning*** (http://www.degruyter.com/view/j/esp)

Other AFFILIATIONS:

- Graduate Field Member of Mat Sci. & Eng. (Cornell) (01/2023 – present)
- Faculty Fellow of Atkinson Center for a Sustainable Future @ Cornell University (2019 – present)

- Faculty Member at Cornell Center for Materials Research (CCMR) (2019 – present)

SOCIETY MEMBERSHIP:

- Fiber Society
- American Association of Textile Chemists and Colorists (AATCC)
- American Chemical Society (ACS)
- Royal Society of Chemistry (RSC)

Selected SCHOLARLY ACTIVITIES:

2024-present: **Fiber Society Governing Council Member** (3 year-term)

05/2013–04/2017: **Vice-Chair of COST Action MP1206** - Electrospun Nano-fibres for bio inspired composite materials and innovative industrial applications (May 2013-May 2017)

2014–2016: **Fiber Society Award Committee Member** (**Chair** of 2016, member of 2015 and 2014)

2015–2018: **UNESCO-L'OREAL National Young Women Scientist Award Committee Member**

Organization of Scientific Meetings:

- **Co-Organizer and Co-Chair** (with Prof. Gareth R Williams (UCL)), Cornell-UCL (University College London) Symposium on Biomedical Applications of Fibers (Virtual), May 26, 2021
- **Scientific Committee Member**, Nanofibers, Applications and Related Technologies (NART-2021), September 8-10, 2021, Istanbul, Turkey.
- **Scientific Committee Member**, Nanofibers, Applications and Related Technologies (NART-2019), September 18-20, 2019, Liberec, Czech Republic.
- **Scientific Committee Member**, ITTC 2018- 7th International Technical Textiles Congress, 10-12 October 2018, Izmir, Turkey.
- **Scientific Committee Member**, Nanofibers, Applications and Related Technologies (NART-2017), September 25-27, 2017, Liberec, Czech Republic.
- **Scientific Committee Member**, MEMTEK 2017- 5th National Membrane Technologies and Applications Symposium, 21-23 September 2017, Istanbul, Turkey.
- **Scientific Committee Member**, 6th Turkish Physical Chemistry Congress, 15-18 May 2017, Zonguldak, Turkey.
- **International Scientific Committee Member**, The International Conference on Electrospinning: From Design and Processing to Advanced Nanomaterials and Applications, 19-21 April 2017, University of Cyprus, Nicosia, Cyprus.
- **Scientific Committee Member**, NANOTEC2016- International Conference on Nanotechnology Applications, 26–27 September, 2016, Valencia, Spain.
- **Scientific Committee Member**, Nanofibers, Applications and Related Technologies (NART-2016), September 13-15, 2016, Raleigh, North Carolina, United States.
- **Local Organizing Committee Member**, 46th IUPAC World Polymer Congress (MACRO 2016), 17-21 July 2016, Istanbul, Turkey.
- **Organizer and Chair** of COST Action MP1206-3rd International Training School on Electrospinning of Nanofibers and Their Characterization: Hands-on Experience", 1-3 June 2016, UNAM-Institute of Materials Science and Nanotechnology at Bilkent University, Ankara, Turkey.
- **Scientific Advisory Committee Member**, International Workshop on " Electrospun Nano-and Microfibres for Biomedical Applications Conference", by COST Action MP1206, Aug 31-Sept 3, 2015, Eger, Hungary.
- **Organizer and Chair** of International Workshop COST Action MP1206 at Nanofibers, Applications and Related Technologies (NART-2015), August 31- September 2, 2015, Liberec, Czech Republic.
- **Organizing Committee Member**, Nanofibers, Applications and Related Technologies (NART-2015), August 31- September 2, 2015, Liberec, Czech Republic.

- **Organizer and Chair** of COST Action MP1206-International Training School on "Characterization of Electrospun Nanofibers: Hands-on Experience", 10-12 June 2015, UNAM-Institute of Materials Science and Nanotechnology, Bilkent University, Ankara, Turkey.
- **Scientific Committee Member**, International Workshop on "Applications of Electrospinning in Composite, Nanofabrication, Food, Food Packaging, Pharma and Controlled Release", by COST Action MP1206, March 25-27, 2015, University of Novi Sad, Novi Sad, Serbia.
- **Organizer and Chair** of COST Action MP1206-International Training School on "Characterization of Electrospun Nanofibers: Hands-on Experience", 11-13 June 2014, UNAM-Institute of Materials Science and Nanotechnology at Bilkent University, Ankara, Turkey.
- **Technical Program Committee Member**, International Workshop on *Electrospinning for High Performance Sensing (EHPS)* by COST Action MP1206, 29-30 April, 2014, Rome, Italy.
- **Advisory Committee Member**, ICAFM-2014, The International Conference on Advanced Functional Materials, February 19-21, 2014, Thiruvananthapuram, Kerala, India.
- **Scientific Committee Member**, POLYMAR 2013, November 3-7, 2013, Barcelona, Spain.

REVIEWER/REFEREE for SCIENTIFIC PUBLICATIONS:

Regulary serve as a Reviewer/Referee for many different scientific journals published by ACS, RSC, Elsevier, NPG, Wiley, Springer, Taylor & Francis, etc. List of some journals served as reviewer:

Nature Communications	Molecular Pharmaceutics	Chemical Engineering Journal
Advanced Materials	BioMacromolecules	Environmental Science & Technology
ACS Nano	Macromolecules	Applied Catalysis B: Environmental
ACS Applied Mat & Interfaces	Polymer	Journal of Membrane Science
ACS Applied Nano Materials	Polymer Chemistry	Journal of Hazardous Materials
ACS Applied Polymer Materials	Macromolecular Rapid Comm	Industrial & Engineering Chemistry Research
ACS Sus Chem & Eng	European Polymer Journal	Chemosphere
ACS Omega	J of Polymer Sci. Part A: Polymer Chem	Separation and Purification Technology
Scientific Reports	Macromolecular Chem &Physics	Desalination and Water Treatment
Nanoscale Horizons	J of Polymer Sci. Part B: Polymer Phys	J of Agricultural & Food Chem
Nanoscale	Journal of Applied Polymer Science	Food Chemistry
ChemComm	Macromolecular Mat & Eng	Food Hydrocolloids
Acta Biomaterialia	Carbohydrate Polymers	Trends in Food Science & Technology
Soft Matter	Textile Research Journal	International Journal of Food Science
Langmuir	Coloration Technology	International Journal of Pharmaceutics
J of Materials Chemistry A,B,C	Fibers and Polymers	Colloids & Surfaces B: Biointerfaces
RSC Advances	Cellulose	Colloids & Surfaces A: Physicochem & Eng
Physical Chem Chemical Phys	Crystal Growth & Design	Journal of Colloid and Interface Science
ChemNanoMat	Journal of Materials Science	Applied Surface Science
Advanced Materials Technologies	New Journal of Chemistry	Materials Advances

PANEL MEMBER/REVIEWER for FUNDING AGENCIES:

Served as a **Panel Member and/or Reviewer** for proposals submitted to:
- NSF (SBIR/STTR Program)
- European Commission programs (H2020, FP7, PEOPLE, Marie Curie Fellowships, M-ERA-NET)
- European Science Foundation (ESF) and European Cooperation in Science and Technology (COST)
- TUBITAK-The Scientific & Technological Research Council of Turkey (ARDEB, TEYDEB, BIDEB)
- Ontario Agri-Food Innovation Alliance Research Program
- Research Foundation - Flanders (FWO)
- Czech Science Foundation (GACR),
- Foundation of Polish Science (FIRST TEAM program), (IRAP PLUS)
- Khalifa University of Science & Technology (UAE).

5. SERVICES and OUTREACH ACTIVITIES:

at Cornell

- HCD Faculty Senator (Jan 2023-present)
- HCD Curriculum Committee (Dec 2022-present)
- HCD Policies and Procedures Committee (Oct 2021-present)

- Faculty Search Committee member (NIH FIRST, Health Equity) (2022)
- FSAD Fall 2020 Seminar Coordinator
- Member of CHE Faculty Grievance Committee (2019-2023)
- Judge for The Elsie Van Buren Rice Award in Public Speaking (CHE), April 2019
- Co-Organizer and Co-Chair (with Prof. Gareth R Williams (UCL)), Cornell-UCL (University College London) Symposium on Biomedical Applications of Fibers (Virtual), May 26, 2021
- Summer Training for High School Teachers facilitated by CCMR- Cornell Center for Material Research (½ day training, June 2021)
- Co-coordinate (with Fran Kozen) the 2021 Summer 4-H Career Explorations at Cornell for FSAD (FSAD event cancelled due to limited participation due to COVID-19)
- Scientific support for Cornell iGEM (https://2022.igem.wiki/cornell/engineering)

at Bilkent University

- UNAM-MSN Media Coordinator (2018)
- MSN Curriculum Development Committee Member (2017-2018): "MATERIALS AND SYSTEMS" Focus Group Leader
- UNAM Safety Committee Member (2016-2018): Group Leader of Chemical Safety
- UNAM Think-Tank Committee Member (2016-2018): Group Leader of National Visibility group
- ERASMUS Departmental Coordinator: (2009-2018)

- Organizer and Chair of International Training School on Electrospinning:
  - 1-3 June, 2016: Total of 70 participants from 12 different countries (15 Trainers, 55 Trainees).
  - 10-12 June, 2015: Total of 74 participants from 17 different countries (10 Trainers, 64 Trainees)
  - 11-13 June, 2014: Total of 65 participants from 18 different countries (12 Trainers, 53 Trainees)

6. TEACHING

Courses @ Cornell University:

- FSAD 1350 Fibers, Fabrics, and Finishes (SP19, SP20)
- FSAD 1360 Fiber and Yarn Analysis Laboratory (SP19, SP20)
- FSAD 4360 Fiber Chemistry (SP20, SP22, SP23, SP24)
- FSAD 4460/6460 Nanotechnology in Fibers and Textiles (SP21, F22, F23)
- FSAD 6260 Advanced Textile Chemistry (F19, F21)
- FSAD 6200 Physical Properties of Fiber-Forming Polymers and Fibers (SP21, SP22, SP24)
- FSAD 6660 Fiber Formation: Theory and Practice (SP19, SP23)
- FSAD 4010 Undergrad Empirical Research (SP19, SP20, F20, SP21, F21, SP22, F22, SP23, F23, SP24)

Graduate Courses @ Bilkent University:

- MSN 534 Polymeric Materials
- MSN 526 Functional Surfaces and Interfaces
- MSN 517 Fundamentals of Nanoscience
- MSN 535 Textile Materials
- MSN 532 Selected Topics in Materials Science and Nanotechnology

7. ADVISING AND MENTORING RECORD

Ph.D. Students at Cornell University:

#	Student	Degree	Major	Adv./Co-Adv	Period	Dissertation Title
1	Mahmoud Aboelkheir	Ph.D.	Fiber Science	Advisor	Fall 2023-present	Development of Cyclodextrin Functional Nanofibrous Membranes for Filtration and Protective Nanotextiles
2	Mohsen Alishahi	Ph.D.	Fiber Science	Advisor	Spring 2023-present	Development of Electrospun Nanofiber-based Bioactive Medical Textiles for Wound Healing
3	Yelin Ko	Ph.D.	Fiber Science	Co-Advisor Advisor: Prof. Juan P. Hinestroza	Fall 2021-present	Upcycling of Discarded Polyester Textiles into Advanced Materials: Metal-Organic Frameworks (MOFs) and Nanofibers

Ph.D. Students at Bilkent University:

#	Student	Degree	Major	Adv./Co-Adv	Period	Title	Current Position
1	Zehra Irem Yildiz	Ph.D.	Materials Sci. & Nanotechnology	Advisor	02/2015-06/2020	Encapsulation of Food Additives and Drugs by Cyclodextrin Functionalized Electrospun Nanofibers	Asst. Prof. at Bursa Technical University (Turkey)
2	Yelda Ertas Dogan	Ph.D.	Materials Sci. & Nanotechnology	Advisor	09/2011-08/2016	Polybenzoxazine based High Performance Nanofibers via Electrospinning	Asst. Prof. at Ostim Technical University (Turkey)
3	Omer Faruk Sarioglu	Ph.D.	Materials Sci. & Nanotechnology	Advisor	01/2013-08/2016	Development of Biointegrated Electrospun Nanofibers for Environmental Applications	Asst. Prof. at Istanbul Medeniyet University (Turkey)
4	Zeynep Aytac	Ph.D.	Materials Sci. & Nanotechnology	Advisor	09/2012-08/2016	Electrospinning of Cyclodextrin Functionalized Nanofibers and Their Applications	Senior Material Scientist – CodiKoat (UK), Postdoc at Harvard
5	Fatma Kayaci	Ph.D.	Materials Sci. & Nanotechnology	Advisor	09/2009-08/2014	Development of Multifunctional Nanofibrous Materials via Electrospinning	Senior Researcher at TUBITAK
6	Asli Celebioglu	Ph.D.	Materials Sci. & Nanotechnology	Advisor	09/2009-09/2014	Cyclodextrin Functionalized Nanofibers via Electrospinning	Former postdoc at Cornell

M.Sc. Students at Cornell University:

#	Student	Degree	Major	Advisor	Period	Thesis Title	Currently at
1	Mahmoud Aboelkheir	M.S.	Fiber Science	Advisor	Fall 2021-Spring 2023	Electrospun poly-cyclodextrin nanofibrous membrane for removal of organic micropollutants from water	Ph.D. student at Cornell, Fiber Science, HCD (Uyar group)
2	Ruobai Xiao	M.S.	Fiber Science	Advisor	Fall 2021-Spring 2023	Bio-Functionalization of Cotton Nonwovens by Electrospinning/ Electrospraying of Curcumin-	Ph.D. student at UMass

						Cyclodextrin Inclusion Complexes	
3	Melisa Kreismanis	M.Eng.	Mat.Sci.&Eng.	Advisor	Fall 2022	Green Electrospinning of Chitosan Nanofibrous Films by the Incorporation of Cyclodextrin/Quercetin Inclusion Complexes for Medical Textile Applications	Materials Scientist, The Estée Lauder Companies Inc. NYC
4	Dana N. Prokop	M.Eng.	Mat.Sci.&Eng.	Advisor	Fall 2023-Spring 2024	Development of Nanofibrous Materials for TENG Applications	

M.Sc. Students at Bilkent University:

#	Student	Degree	Major	Advisor	Period	Thesis Title	Currently at
1	Zeynep Aytac	M.S.	Materials Sci. & Nanotechnology	Advisor	Fall 2021-Spring 2023	Electrospinning of Biocompatible Polymeric Nanofibers Functionalized with Cyclodextrin Inclusion Complex	Senior Material Scientist – CodiKoat (UK), Postdoc at Harvard
2	A.Ekrem Deniz	M.S.	Materials Sci. & Nanotechnology	Advisor	Fall 2021-Spring 2023	Nanofibrous Nanocomposites via Electrospinning	Aromsa AS

Undergradute Student Researchers at Cornell University:

#	Name	Department/Program	Period	Research
24	Claire Hsu	Fiber Science	Spring 2024 – present	Development of Bioactive Medical Textiles
23	Miriam Lourie	Fiber Science	Spring 2023 – present	Electrospun poly-cyclodextrin nanofibrous membrane for wastewater treatment
22	Eliz Ozge Celik	Biomedical Engineering	Spring 2023 – Fall 2023	Development of Bioactive Medical Textiles
21	Katrina Reichenbach	Fiber Science	Spring 2023	Development of Bioactive Medical Textiles
20	Ashlyn Dumaw	Chemical Engineering	Fall 2022	Electrospun poly-cyclodextrin nanofibrous membrane for waste water treatment
19	Christine Yang	Biological Sciences	Fall 2022 - Spring 2023	Development of Cyclodextrin Inclusion Complexes Electrospun Nanofibers for Fast-dissolving Drug Delivery System
18	Christina Simon	Fiber Science	Fall 2022	Development of Bioactive Medical Textiles
17	Ashley Liaw	Fiber Science	Fall 2022	Development of Bioactice Medical Textiles
16	Andrea Rose Wilson	Biology/Biochemistry	Spring 2022- Spring 2023 Honor Thesis (BIOG 4990)	Orally Ingested Fast-Dissolving Antibiotic Delivery System of Cyclodextrin Nanofibers Complexed with Amoxicillin
15	Spoorthi Patil	Biomedical Engineering	Spring 2022- Spring 2023 Summer 2022 (ELI-Undergrad summer fellowship)	Orally Fast-Dissolving Drug Delivery Systems for Pediatrics: Nanofibrous Oral Strips from Isoniazid/Cyclodextrin Inclusion Complexes (1 publication as first-author)
14	Emmy Z. Hsiung	Fiber Science	Spring 2020-Spring 2023 Summer 2021 (CHE summer fellowship) (AATCC Foundation Student Research Support Grants)	- Fast-dissolving Drug Delivery Systems based on the Electrospun Nanofibrous Webs of Cyclodextrin Inclusion Complexes (3 publication as first-author, 5 presentations (ACS Spring 2022, ACS Fall 2021, MRS Fall 2021, CURBx-Cornell 2021, Cornell-UCL 2021)

				- Antibacterial Chitosan/Cyclodextrin-Carvacrol Inclusion Complex Nanofibers for Wound Dressing - Functionalization of Facemask with Electrospun Nanofibrous Webs (1 publication as co-author)
13	Mikayla Lin	Fiber Science	Spring 2022	Functionalization of Facemask with Electrospun Nanofibrous Webs
12	Tony Tan	Biological Sciences/ Biochemistry	Spring 2022- Summer 2022 (Cornell Summer Experience Grant (SEG) and BioSIP (Biological Sciences Summer Internship)	Electrospun Cyclodextrin/Risperidone Inclusion Complex Nanofibers for Fast-Disintegrating Antipsychotic Drug Delivery
11	Kai Anna Yokoo	Materials Sci. Eng.	Fall 2021- Spring 2022	Functionalization of Facemask with Electrospun Nanofibrous Webs
10	Kareena Dash	Chemistry	Spring 2021- Spring 2022	Formulation of Fast-Disintegrating Drug Delivery System from Cyclodextrin/Naproxen Inclusion Complex Nanofibrous Films (1 publication as co-author, 1 presentation (ACS Spring 2022))
9	Lameesa Zahedul	Materials Sci. Eng.	Fall 2021- Spring 2022	Functionalization of Facemask with Electrospun Nanofibrous Webs
8	Christopher W. Lawson	Operations Research & Information Eng.	Spring 2021- Spring 2022	Functionalization of Facemask with Electrospun Nanofibrous Webs (1 publication as co-author, 3 presentations (ACS Fall 2021, CURBx-Cornell 2021, Cornell-UCL 2021)
7	Deniz Tekant	Operations Research & Information Eng.	Spring 2020-Fall 2021	- Functionalization of Facemask with Electrospun Nanofibrous Webs - Orally Fast Disintegrating Resveratrol/Cyclodextrin Nanofibrous Films as Antioxidant Dietary Supplement (1 publication as co-author, 3 presentations (ACS Spring 2021 (2nd place winner), CURBx-Cornell 2021, Cornell-UCL 2021 (best poster winner))
6	Nancy Wang	Fiber Science	Spring 2021	Orally Fast Disintegrating Cyclodextrin/Prednisolone Inclusion Complex Nanofibrous Webs for Potential Steroid Medications (1 publication as co-author, 2 presentations (MRS Fall 2021, Cornell-UCL 2021)
5	Reilly K. Halvorson	Fiber Science	Spring 2021- Summer2021	Nano-Functionalization of Fabrics by using Polyester Textile Waste derived products
4	Dillon H. Eisman	Business - Applied Economics and Mgmt	Spring 2021	Nano-Functionalization of Fabrics by using Polyester Textile Waste derived products
3	Antonio F. Saporito	Chemistry	Fall 2020- Spring 2021	Green Electrospinning of Chitosan/Pectin Nanofibrous Films by the Incorporation of Cyclodextrin/Curcumin Inclusion Complexes: pH-Responsive Release and Hydrogel Feature (1 publication as co-author, 3 presentations (ACS Spring 2021, CURBx-Cornell 2021, Cornell-UCL 2021)
2	Grace Falanga	Materials Sci. &Eng.	Spring 2019	Waste-water Treatment by Cyclodextrin-Functional Electrospun Nanofibers
1	Antonio P.Martinez	Fiber Science	Spring 2019	Removal of Volatile Organic Compounds by Electrospun Nanofibers

POSTDOCTORAL SCHOLARS MENTORING RECORD at Cornell University:

#	Name	Ph.D. Degree from	Period	Research	Currently at
1	Dr. Asli Celebioglu	Bilkent University, UNAM, Turkey	April 2019-June 2022	Cyclodextrin functional electrospun nanofibers	Former postdoc at Cornell
2	Dr. Anitha Senthamizhan	SRM University, India	Jan 2020-Feb 2021	Fluorescent Nanomaterials for sensing	Postdoc at Istituto Italiano di Tecnologia, (Italy)
3	Dr. Brabu Balusamy	SRM University, India	Jan 2020-Feb 2021	Bioapplication of Functional electrospun nanofibers	Postdoc at Istituto Italiano di Tecnologia, (Italy)

POSTDOCTORAL SCHOLARS MENTORING RECORD at Bilkent University:

#	Name	Ph.D. Degree from	Period	Research	Currently at
19	Dr. Fuat Topuz	RWTH Aachen University, Germany	Jan 2018 - Dec 2018 & July 2015 - Dec 2015	Cyclodextrin based functional nanofibers via electrospinning Novel hydrogel synthesis and their electrospinning	Asst. Prof. at Istanbul Technical University (Turkey)
18	Dr. Bhushan V. Patil	Tokyo Institute of Technology, Japan	Dec 2017 - Nov 2018	Functional electrospun nanofibers for energy applications.	Postdoc at University of Padova (Italy)
17	Dr. Bekir Satilmis	Chemistry, University of Manchester, UK	April 2016 - Dec 2018	Electrospinning of PIM nanofibers for filtration	Assoc. Prof. at Kirsehir Ahi Evran University (Turkey)
16	Yelda Ertaş	Bilkent University, UNAM, Turkey	Sept 2016 - March 2018	Electrospinning of high performance nanofibers	Asst. Prof. at Ostim Technical University (Turkey)
15	Dr. Amaresh Chandra Pradhan	Chemistry, Utkal University, India	March 2016 - Jan 2018	Functional electrospun nanofibers for photocatalysis under visible light	Postdoc at Palacky University (Czech Republic)
14	Dr. Zeynep Aytaç	Bilkent University, UNAM, Turkey	March 2017 - Oct 2017	Electrospinning of Cyclodextrin Functionalized Nanofibers	Senior Material Scientist – CodiKoat (UK), Postdoc at Harvard
13	Dr. Kugalur S. Ranjith	Bharathiar University, India	Feb 2016 - Sept 2017	Functional electrospun nanofibers for catalysis and photocatalysis	Senior Researcher at Dongguk University
12	Dr. M. Aref Khalily	Bilkent University, UNAM, Turkey	Jan 2017 - Sept 2017	Surface decoration of electrospun nanofibers by ALD	Senior Chemist at Exactmer (UK)
11	Dr. Osman Arslan	University of Cologne, Germany	July 2015 - July 2017	Surface decoration of nanoparticles on electrospun nanofibers	Asst.Prof. at Istanbul Sabahattin Zaim Univ (Turkey)
10	Dr. Nalan Oya San	Gazi University, Turkey	Dec 2013- Apr 2017	Bacteria immobilized electrospun nanofibers for waste water treatment	Assoc. Prof. at Haci Bayram Veli Univ (Turkey)

9	Dr. Aslı Çelebioğlu	Bilkent University, UNAM, Turkey	Sept 2014- Jan 2017	Cyclodextrin functional electrospun nanofibers	Former postdoc at Cornell
8	Dr. Ali Demirci	Tohoku University, Japan	Feb 2015 - Nov 2016	Novel polymer synthesis and their electrospinning	Senior Researcher at AKSA (Turkey)
7	Dr. Anitha Senthamizhan	SRM University, India	Sept 2014- Aug 2016	Fluorescent sensors based on electrospun nanowebs for heavy metal detection	Postdoc at Istituto Italiano di Tecnologia, (Italy)
6	Dr. Brabu Balusamy	SRM University, India	Sept 2014- June 2016	Functional electrospun nanofibers for waste water treatment	Postdoc at Istituto Italiano di Tecnologia, (Italy)
5	Dr. Sesha Vempati	Queen's University Belfast, UK	Feb 2013 - Feb 2015	Structure-property relationship of functional electrospun nanofibers	Asst. Prof. at Indian Institute of Technology Bhilai (India)
4	Dr. Neeta Laxman Lala	Pune University, India	June 2014 - Feb 2015	Antibacterial electrospun functional nanofibers	
3	Dr. V.Jagadeesh Babu	IIT-Madras, India	Dec 2013 - Dec 2014	Inorganic functional electrospun nanofibers	Senior Research Fellow, NUS, Singapore
2	Dr. Fatih Canbolat	North Carolina State University, NC, USA	Sep 2012 - Aug 2013	Functional electrospun nanofibers for drug delivery	Assist. Prof. at SDU Univ (Turkey)
1	Dr. Serkan Demirci	Gazi University, Ankara, Turkey	Aug 2011- Aug 2013	Chemical modification of electrospun nanofibers	Assoc. Prof. at Amasya Univ (Turkey)

VISITING SCHOLARS at Cornell University:

#	Name	Position	From	Period	Research
4	Zehra Irem Yildiz	Assist. Prof.	Bursa Technical University (Turkey)	June 2024- June 2025	Functional nanofibrous materials for food and food packaging
3	Handan Palak	Ph.D. student	Istanbul Technical Univ (ITU), Turkey	Oct 2023- present	Development of CNC/PLA biocomposite nanofibrous materials
2	Dr. Karolina Dziemidowicz	Assist. Prof.	(University College London (UCL), School of Pharmacy) (28)	Aug 2023- Sept 2023	Nanofiber-based Fast-dissolving drug delivery systems
1	Kubra Ertan	Ph.D. student	Middle East Technical University (METU), Turkey	Aug 2021- April 2022	Functional electrospun nanofibers for food packaging

VISITING SCHOLARS at Bilkent University:

#	Name	Position	From	Period	Research
1	Dr. Ozlem Coban	Assist. Prof.	Karadeniz Technical University, Turkey	July-Sept 2017	Functional electrospun nanofibers for drug delivery
2	Dr. Aylin Altan	Assist. Prof.	Mersin University, Turkey	July-Sept 2013	Functional electrospun nanofibers for food packaging
3	Marlena Kwiatkowska	Ph.D. student	Wrocław University of Technology, Poland	April-May 2013	Functional electrospun nanofibers for food packaging
4	Dr. Bogdanel Silvestru Munteanu	Senior Researcher	Alexandru Ioan Cuza University, Romania	March-April 2013	Functional electrospun nanofibers for food packaging

Graduate Faculty Committee Member & External Examiner

at Cornell

1) Jingwen Zhu (Ph.D.) (Human Centered Design (HCD), Cornell) (Nov 23-present)
2) Preston Hollopeter (Ph.D.) (Chem. & Biomolecular Eng., Cornell) (June 2023-present)
3) Shikhar Dinesh Singh (M.S.) (Chem. & Biomolecular Eng., Cornell) (May 2023-present)
4) Chunyi Zhang (M.S.) (Chem. & Biomolecular Eng., Cornell) (May 2023-present)
5) Jeyeon Jo (Ph.D.) (Human Centered Design (HCD), Cornell) (June 2023)
6) Kyle Kersey (Ph.D.) (Chem. & Biomolecular Eng., Cornell) (2021-2023)
7) Deepika Sharma (Ph.D.) (Indian Institute of Technology Delhi (IITD), MSE) (May 2022)
8) Amr Zaitoon (Ph.D.) (The University of Guelph (Canada), Food Science) (Apr 2021)
9) Sanjana S. S. Bharadwaj (M.S.) (Chem. & Biomolecular Eng., Cornell) (2020-2021)
10) Basadi Emmah Ncube (M.S.) (The University of Botswana, Chemistry) (Oct 2021)
11) Lihong Lao (Ph.D.) (Fiber Science (FSAD), Cornell) (May 2019)

at Bilkent University

1) Alper D. Ozkan (Ph.D.) (MSN-Mat Sci & Nanotech, Bilkent) (2017)
2) Khaydarali Sayfidinov (M.S.) (MSN-Mat Sci & Nanotech, Bilkent) (2017)
3) Gulistan Tansik (Ph.D.) (MSN-Mat Sci & Nanotech, Bilkent) (2017)
4) Mustafa Beter (M.S.) (MSN-Mat Sci & Nanotech, Bilkent) (2017)
5) Esra Ozdemir (Ph.D.) (Chemistry, METU) (2017)
6) Zelal Yavuz (M.S.) (MSN-Mat Sci & Nanotech, Bilkent) (2016)
7) Jozefien Geltmeyer (Textile Eng,. Ghent University, Belgium) (2016)
8) Ilke Simsek Turan (Ph.D.) (MSN-Mat Sci & Nanotech, Bilkent) (2015)
9) Safacan Kolemen (Ph.D.) (MSN-Mat Sci & Nanotech, Bilkent) (2015)
10) Brabu Balusamy (Ph.D.) (Nanotechnology, SRM Univ. (India)) (2014)

8. GRANTS/FUNDING APPLICATIONS

[Proposals Funded] at Cornell University

Title: **Innovative Cotton Medical Textiles with NanoBioactive Agents**
PIs: **Tamer Uyar** (PI)
Source of Funds: **Cotton Incorporated (Cary, NC, USA)**
Amount Funded: **$ 68,267 (100% awarded for PI (Tamer Uyar))**
Period: Jan 2023 – Dec 2023 (1 yr) (COMPLETED)

Title: **Fibrous materials for electronic applications**
PIs: **Tamer Uyar** (PI)
Source of Funds: **Meta Metarials (CA, USA)**
Amount Funded: **$ 10,000 (100% awarded for PI (Tamer Uyar))**
Period: Sept 2022- Aug 2023 (1 yr) (COMPLETED)

Title: **Characterization of bio-based textiles**
PIs: **Tamer Uyar** (PI)
Source of Funds: **CCMR-JumpStart and TomTex**
Amount Funded: **$ 10,000 (100% awarded for PI (Tamer Uyar))**
Period: Oct 2023 – March 2024 (6 months) (COMPLETED)

Title: **Towards a sustainable life cycle for the creation of skin wearable computers**
PIs: Cindy Hsin-Liu Kao (PI), **Tamer Uyar** (Co-PI)
Source of Funds: **Cornell Atkinson Center for Sustainability Academic Venture Fund**
Amount Funded: **$ 175,000 (~$75,000 of $175,000 for Co-PI (Tamer Uyar))**
Period: August 2023 – August 2025 (2 yrs) (ONGOING)

Title: **Designing for Health and Longevity: Evaluating and Improving Colorfastness and Antimicrobial Properties of Fabrics Dyed With Biowaste and Weeds**
PIs: Denise N. Green (PI), **Tamer Uyar** (Co-PI), Frances Kozen (Co-PI)
Source of Funds: **The CHE Faculty Sustainability Research Awards**
Amount Funded: **$ 41,000**
Period: Sept 2023 – August 2024 (1 yr) (ONGOING)

Title: **Cosmetic Energy Harvesting for Self-powered On-skin Computers**
PIs: Cindy Hsin-Liu Kao (PI), **Tamer Uyar** (Co-PI)
Source of Funds: **The CHE Faculty Sustainability Research Awards**
Amount Funded: **$41,000 (~$18,000 of $41,000 for Co-PI (Tamer Uyar))**
Period: Sept 2023 – August 2024 (1 yr) (ONGOING)

International Grants:
Title: **Cyclodextrin Based Electrospun Fibres for taste masking for paediatric medicines applications**
PIs: Catherine Tuleu (PI, University College London (UCL)), **Tamer Uyar** (PI, Cornell)
Source of Funds: **The Royal Society- International Exchanges 2022 (UK-USA)**
Amount Funded: **£12,000 ($13,000) (£4,500 of £12,000 for PI (Tamer Uyar))**
Period: March 2023- March 2025 (2 yrs) (ONGOING)

Title: **Development of Biodegradable Antipathogenic Nanofiber Membranes and Their Use in Medical Masks**
PIs: Fuat Topuz (PI, ITU-Turkey), **Tamer Uyar** (Co-PI, Cornell-USA)
Source of Funds: **Istanbul Technical University-Scientific Research Program (Turkey)**
Amount Funded: **1,000,000 TRY (~$ 55,000)**
Period: May 2023-May 2026 (3 yrs) (ONGOING)

Research Funding/Awards for Students:

#	Funding	Name	Department	Amount	Duration	Project Title
4	AATCC Foundation Student Research Support Grants	Emmy Z. Hsiung	Fiber Science	$750	5 months (Jan 2023-May 2023)	Development of Medical Textiles with Nanofibrous Bioactive Coating for Wound Healing
3	Cornell University Summer Experience Grant (SEG) BioSIP (Biological Sciences Summer Internship Program)	Tony Tan	Biological Sciences/ Biochemistry	$5,000 + $4,000 $9,000 (Total)	Summer 2022	Cyclodextrin/Drug Inclusion Complex Nanofibrous Oral Strips for Orally Fast-Dissolving Drug Delivery Systems
2	Engineering Learning Initiatives (ELI) – Undergraduate Summer Research Award	Spoorthi Patil	Biomedical Engineering	$5,000	Summer 2022	Orally Fast-Dissolving Drug Delivery Systems for Pediatrics: Isoniazid/Cyclodextrin Nanofibrous Oral Strips

1	Human Ecology Undergraduate Research Program (Summer Undergraduate Stipend)	Emmy Z. Hsiung	Fiber Science	$5,000	Summer 2021	Development of Cyclodextrin/Ondansetron Inclusion Complex Nanofibrous Films for Orally Fast Dissolving Drug Delivery Systems

[Proposals Funded] at Bilkent University

(Major Funded Proposals by TUBITAK (TUBITAK is a National funding agency in Turkey which is equivalent of NSF in USA)

Title: **Electrospun Carotenoid/Cyclodextrin Inclusion Complex Nanofibers**
PIs: **Tamer Uyar** (PI), Engin Durgun (Co-PI)
Source of Funds: **TÜBİTAK - Scientific & Technical Research Council of Turkey (2515-COST)**
Amount Funded: **215,000 TRY (~ $ 65,000 USD) ($ 50,000 of $ 65,000 for PI (Tamer Uyar)) (full support of 1 Post-doc and 1 Grad Student)**
Period: Oct 2017- Apr 2019 (18 months) (COMPLETED)

Title: **Surface Decoration of Metal Nanoparticles onto Electrospun Nanofibers/Nanowebs for Catalysis**
PIs: **Tamer Uyar** (PI)
Source of Funds: **TÜBİTAK - Scientific & Technical Research Council of Turkey (1001 program)**
Amount Funded: **415,000 TRY (~ $150,000 USD) (100% awarded for PI (Tamer Uyar)) (full support of 1 Post-doc and 1 Grad Student)**
Period: Nov 2015- Nov 2017 (2 yrs) (COMPLETED)

Title: **Bacteria Immobilized Electrospun Nanofibrous Bionanocomposites for Waste Water Treatment**
PIs: **Tamer Uyar** (PI), Co-PIs: Turgay Tekinay, N. Oya San
Source of Funds: **TÜBİTAK - Scientific & Technical Research Council of Turkey (2515-COST)**
Amount Funded: **270,000 TRY (~$100,000 USD) ($ 75,000 of $ 100,000 for PI (Tamer Uyar)) (full support of 1 Post-doc and 1 Grad Student)**
Period: Nov 2014- Nov 2016 (2 yrs) (COMPLETED)

Title: **Functional Electrospun Nanofiber/Nanoweb Membranes for Filtration of Industrial Waste Water**
PIs: **Tamer Uyar** (PI), Co-PI: M. Atilla Tasdelen
Source of Funds: **TÜBİTAK - Scientific & Technical Research Council of Turkey (1003 program)**
Amount Funded: **253,000 TL (~100,000 USD) ($ 75,000 of $ 100,000 for PI (Tamer Uyar)) (full support of 1 Post-doc and 1 Grad Student)**
Period: June 2014- June 2016 (2 yrs) (COMPLETED)

Title: **Polymer-free Electrospun Cyclodextrin Nanofibers**
PIs: **Tamer Uyar** (PI)
Source of Funds: **TÜBİTAK - Scientific & Technical Research Council of Turkey (2515-COST)**
Amount Funded: **202,000 TRY (~ $ 100,000 USD) (100% awarded for PI (Tamer Uyar)) (full support of 1 Post-doc and 1 Grad Student)**
Period: February 2014 - February 2016 (2 yrs) (COMPLETED)

Title: **BioPolymer Based Nanofibers/Nanowebs for Functional Food Packaging**
PIs: **Tamer Uyar** (PI)
Source of Funds: **TÜBİTAK - Scientific & Technical Research Council of Turkey (2515-COST)**

Amount Funded: **202,000 TRY (~ $ 100,000 USD) (100% awarded for PI (Tamer Uyar)) (full support of 2 Grad Student)**
Period: January 2012-January 2014 (2 yrs) (COMPLETED)

Title: **Cyclodextrin Functionalized Nanofibers for Molecular Filtration**
PIs: **Tamer Uyar** (PI)
Source of Funds: **TÜBİTAK - Scientific & Technical Research Council of Turkey (3501-Early Career Grant program)**
Amount Funded: **220,000 TRY (~130,000 USD) (100% awarded for PI (Tamer Uyar)) (full support of 2 Grad Student)**
Period: May 2011 - November 2013 (30 months) (COMPLETED)

Title: **Development of Functional Nanofibers by Electrospinning**
PIs: **Tamer Uyar** (PI)
Source of Funds: **EU FP7- Marie Curie International Reintegration Grants (IRG)**
Amount Funded: **€ 100,000 (~ $ 130,000 USD) (100% awarded for PI (Tamer Uyar))**
Period: May 2010 - May 2014 (4 yrs) (COMPLETED)

Title: **Electrospun Nanowebs for Active Food Packaging**
PIs: S. Gülüm Şumnu (PI), **Tamer Uyar** (Co-PI), Zehra Ayhan (Co-PI)
Source of Funds: **TÜBİTAK - Scientific & Technical Research Council of Turkey (2515-COST)**
Amount Funded: **400,000 TRY (~$140,000 USD) ($ 25,000 of $ 140,000 for PI (Tamer Uyar)) (full support of 2 Grad Student)**
Period: March 2016 - June 2018 (30 months) (COMPLETED)

Title: **Electrospun nanofiber composite anode materials for lithium-ion batteries with high energy capacity**
PIs: Eda Yilmaz (PI), **Tamer Uyar** (Co-PI)
Source of Funds: **TÜBİTAK - Scientific & Technical Research Council of Turkey (2515-COST)**
Amount Funded: **230,000 TRY (~$100,000 USD) ($ 25,000 of $ 100,000 for Co-PI (Tamer Uyar)) (full support of 1 Post-doc and 1 Grad Student)**
Period: February 2015 - February 2017 (2 yrs) (COMPLETED)

Title: **Electrospun nanofiber composites for Agriculture: Nanofertilizers**
PIs: Turgay Tekinay (PI), **Tamer Uyar** (Co-PI)
Source of Funds: **Turkish Ministry of Food, Agriculture and Livestock (TAGEM program)**
Amount Funded: **300,000 TRY (~120,000 USD) ($ 50,000 of $120,000 for Co-PI (Tamer Uyar)) (full support of 1 Post-doc and 1 Grad Student)**
Period: Oct 2015 - Oct 2016 (1 yr)

Title: **Synthesis, Characterization, and Electrospun Nanofiber Fabrication of Functional Styrene Polymers**
PIs: Mesut Gorur (PI), Co-PIs: Faruk Yilmaz, **Tamer Uyar** (Co-PI),
Source of Funds: **TÜBİTAK - Scientific & Technical Research Council of Turkey (3501 program)**
Amount Funded: **220,000 TL (~100,000 USD) ($ 25,000 of $ 100,000 for Co-PI (Tamer Uyar)) (full support of 2 Grad Student)**
Period: Feb 2014 - Feb 2016 (2 yrs) (COMPLETED)

9. PRESENTATION AWARDS and INVITED SEMINARS/LECTURES/TALKS

Uyar Group CONFERENCE PRESENTATION AWARDS:

- **Outstanding MEng Poster Award** in MatSci&Eng at Cornell (Dana Prokop, May 2024)
- **Best Poster Presentation Award**, Cornell-UCL (University College London) Symposium on Biomedical Applications of Fibers (Virtual), May 26, 2021
- **Second Place Award Undergraduate Research in Polymer Science**, Chemical Society (ACS) National Meeting & Exposition, Spring 2021, April 2021.
- **Best Poster Presentation Award**, UNAM Nanoday 2017, Bilkent University, 25 May 2017
- **Best NanoPicture Award**, UNAM Nanoday 2016, Bilkent University, May 26, 2016
- **2nd Place Poster Presentation Award**, UNAM Nanoday 2015, Bilkent University, May 15, 2015
- **Best Poster Presentation Award**, UNAM Nanoday 2014, Bilkent University, May 2014
- **Best Poster Presentation Award**, NanoTR-9, 9th Nanoscience and Nanotechnology Conference, Erzurum, Turkey, June 24-28, 2013
- **Best Poster Presentation Award**, 1st Ege University Nanotechnology Days, Ege University, İzmir, Turkey, April 18-19, 2013
- **3rd Place Poster Presentation Award**, 4th National Polymer Science & Technology Conference, Canakkale, Turkey, September 05-08, 2012
- **Best Poster Presentation Award**, 4th National Polymer Science & Technology Conference,Canakkale, Turkey, September 05-08, 2012
- **3rd Place Poster Presentation Award**, The Fiber Society 2012 Spring Conference, St. Gallen, Switzerland, May 23-25, 2012
- **Best Poster Presentation Award**, 25th National Chemistry Congress, Erzurum, Turkey, 27 June-2 July, 2011
- **Best Project Award**, 3rd International R&D Project Brokerage Event (Uludağ Textile Exporters Union) (UTIB), Bursa, Turkey, February 10-11, 2011
- **Young Scientist Travel Grant**, Turkish American Scientists and Scholars Association (TASSA) 2006 Annual Conference**,** Philadelphia, PA, USA, March 25-26, 2006
- **Awarded in Excellence in Graduate Polymer Research Symposium**, 228th American Chemical Society (ACS) National Meeting, Philadelphia, PA, USA, August 22-26, 2004
- **Award Winner in Student Presentations**, 12th National Textile Center Forum, Hilton Head, South Carolina, USA, February 17th, 2004
- **First Place Award Winner in Graduate Students Presentations in Gilbert Award Symposium**, American Chemical Society-North Carolina Polymer Chapter, Raleigh, NC, USA, Feb 12th 2004

INVITED SEMINARS/LECTURES

- "Electrospinning of Functional Nanofibers from Cyclodextrins" Dept of Department of Textiles Merchandising & Interiors, University of Georgia, 5 April, 2023, Athens, GA, USA.
- "Cyclodextrin Functional Nanofibers and Their Potential Applications" Materials Science & Engineering, Cornell University, 10 March 2022, Ithaca, NY, USA.
- "Fast-Dissolving Delivery Systems (FDDS): Cyclodextrin Inclusion Complex Nanofibers for Fast-Dissolution of Active Pharmaceutical Ingredients", 23 April 2021, School of Pharmacy, UCL-University College London, London, UK
- "Development of Fast-Dissolving Medicinal Drugs and Dietary Supplements by Cyclodextrin-based Nanofibrous Materials", 15 April 2021, UCDavis-Biological and Agricultural Engineering, CA, USA
- "Functional Nanofibers via Electrospinning and Their Applications" at Department of Fiber Science & Apparel Design, Cornell University, 23 February 2019, Ithaca, NY, USA.
- "Electrospinning of Functional Nanofibers/Nanowebs for Wastewater Treatment" 6th International Workshop on Applications of Nanoscience and Nanotechnology (IWANN-2016) - Nanotechnology Solutions for Water Filtration, 11-22 July, 2016, Bilkent University, Ankara, Turkey.

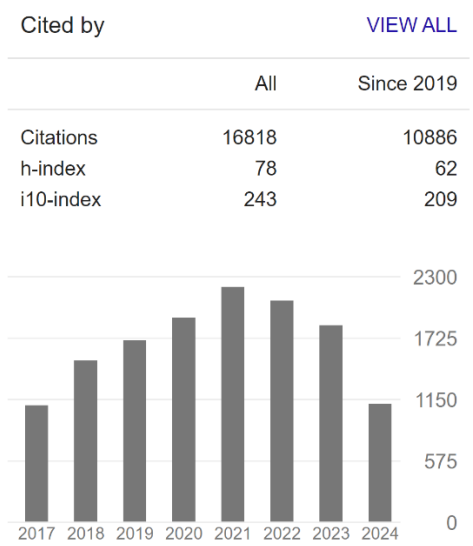
- "Electrospinning of Functional Nanofibers" COST Action MP1206-3rd International Training School on " Electrospinning of Nanofibers: Hands-on Experience", 1-3 June 2016, UNAM-Institute of Materials Science & Nanotechnology, Bilkent Univ, Ankara, Turkey.
- "Functional Nanofibers via Electrospinning and Their Applications" The Fiber Science & Apparel Design, Cornell University, 11 April, 2016 Ithaca, USA.
- "Functional Nanofibers via Electrospinning and Their Applications" 5th International Workshop on Applications of Nanoscience and Nanotechnology (IWANN 2015), 15–26 June, 2015 Bilkent University, Ankara, Turkey,
- "Electrospinning of Functional Nanofibers" COST Action MP1206-International Training School on "Characterization of Electrospun Nanofibers: Hands-on Experience", 10-12 June 2015, UNAM-Institute of Materials Science & Nanotechnology, Bilkent Univ, Ankara, Turkey.
- "Functional Nanofibers via Electrospinning" Faculty of Engineering, TOBB-ETU University, Ankara, Turkey (April 2015)
- "Cyclodextrin Functionalized Electrospun Nanofibers for Delivery Systems" Faculty of Pharmacy, Hacettepe University, Ankara, Turkey (April 2015)
- "Electrospinning research @ UNAM" COST Action MP1206-International Training School on "Characterization of Electrospun Nanofibers: Hands-on Experience", 11-13 June 2014, UNAM-Institute of Materials Science and Nanotechnology at Bilkent University, Ankara, Turkey.
- "Electrospinning of non-polymeric systems: Challenges and Possibilities" International Training School-COST Action MP1206 "Safe and efficient formulations for Electrospinning (SAEFE)", University of Bayreuth, Bayreuth, Germany, September 18, 2013
- "Electrospinning of Nanofibers: Functional Nanofibrous Nanocomposites" Interdisciplinary Nanoscience Center (iNANO), Aarhus University, Aarhus, Denmark (June 2012)
- "Functional Nanofibers via Electrospinning" Middle East Technical University (METU), Ankara, Turkey, (April 2012)
- "Functional Nanofibers via Electrospinning" Interdisciplinary Nanoscience Center (iNANO), Aarhus University, Aarhus, Denmark (June 2011)
- "Development of Functional Nanofibers by Electrospinning and Their Potential Applications" UNAM-Institute of Materials Sci. & Nanotech., Bilkent Univ., Ankara, Turkey, (May 2008)

PLENARY SPEAKER/KEYNOTE SPEAKER/INVITED TALKS at CONFERENCES

- "Cyclodextrin Functional Nanofibrous Materials and Their Potential Applications", The Fiber Society 2023 Fall Conference, October 25–27, 2023, Philadelphia, Pennsylvania, USA. (Plenary Speaker)
- "Cyclodextrin Functional Electrospun Nanofibrous Materials for Fast-Dissolving Delivery Systems", NART 2021 - Nanofibers, Applications and Related Technologies, Istanbul, TURKEY, September 8-10, 2021. (Keynote Speaker)
- "Surface Decoration of Metal Nanoparticles onto Polymeric Nanofibers for Catalytic Applications" 6th Physical Chemistry Congress, Zonguldak, Turkey, 15-18 May, 2017 (Invited Talk)
- "Electrospinning of Functional Nanofibers and Their Applications" 6th National Polymer Science & Technology Conference, Ankara, Turkey, Sept 04-07, 2016 (Plenary Talk)
- "Electrospinning of Functional Nanofibers and Their Applications" 28th National Chemistry Congress, Mersin, Turkey, August 15-21, 2016 (Invited Talk)
- Bacteria encapsulated/immobilized electrospun polymeric nanofibrous webs for wastewater treatment", MACRO 2016-46th IUPAC World Polymer Congress, Istanbul, Turkey, 17-21 July 2016 (Invited Talk)
- "Functional Nanofibers via Electrospinning and Their Applications" 5th International Istanbul Textile Congress 2015: Innovative Technologies "Inspire to Innovate", Istanbul Technical University, Istanbul, Turkey, 11-12 September 2015. (Plenary Talk).
- "Efficient Encapsulation of Volatile Active Compounds in Electrospun Nanofibers by Cyclodextrin Inclusion Complexation" at International Workshop-COST Action MP1206, "Applications of Electrospinning in Composite, Nanofabrication, Food, Food Packaging, Pharma and Controlled Release", University of Novi Sad, Novi Sad, Serbia, March 25-27, 2015 (Opening Talk)
- "Electrospun Nano-Fibres for Bio Inspired Composite Materials and Innovative Industrial Applications- COST Action MP1206", E-MRS 2014 FALL MEETING, September 15-18, 2014,Warsaw University of Technology, Poland (Invited Talk)

- "Electrospun nanofibrous membrane embedded fluorescence gold nanocluster for TNT and Hg2+ sensing", International Workshop-COST Action MP1206, First International Workshop on Electrospinning for High Performance Sensing (EHPS), Rome, Italy, 29-30 April, 2014. (Invited Talk)
- "Development of Functional Nanofibers and Their Applications", 1st. Ege Nanotechnology Days, Ege University, Izmir, Turkey, 18 April 2013. (Plenary Talk)
- "Incorporation of Active Agents in Electrospun Nanofibers for Food Packaging Application" International Workshop-COST Action FA0904 "Electrospinning Nanofibres and Food Packaging-Status and outlook into an emerging technology", Valencia, Spain, Apr 29, 2013. (Plenary Talk)
- "Electrospinning of nanofibers: towards functional nanofibrous nanocomposites" International Workshop of COST Action MP0701 on Polymer Composites with Novel Functional and Structural Properties by Nanoscale Materials, Espoo, Finland, 14-16 May, 2012 (Plenary Talk)
- "Functional Nanofibers via Electrospinning" International Workshop of COST Action MP0701 on Polymer Nanocomposite materials - Electrospun Nanofibres Composite Materials, Antalya, Turkey, 21-22 February, 2012 (Invited Talk)

10. PUBLICATIONS



(https://scholar.google.com.tr/citations?user=pKzhjEQAAAAJ&hl=en) (as of ***1 July 2024***)

Book

- "*Electrospun Materials for Tissue Engineering and Biomedical Applications: Research, Design and Commercialization*" (edited by **Tamer Uyar** and Erich Kny), Elsevier, Woodhead Publishing Series in Biomaterials, 2 June 2017, United Kingdom (ISBN: 9780081010228)

Book Chapters

1) Zeynep Aytac, **Tamer Uyar "**Chapter 6: Electrospun Nanofibers for Drug Delivery Applications" in "Applications of Polymer Nanofibers" (edited by Anthony L. Andrady and Saad A. Khan), Wiley, Pages:202-254, April **2022**, ISBN: 978-1-119-26768-3
2) Brabu Balusamy, Anitha Senthamizhan, **Tamer Uyar**, " Chapter 2 - *Design and Development of Electrospun Nanofibers in Regenerative Medicine*" in "Nanomaterials for Regenerative Medicine" (edited by Ayse Begum Tekinay) Pages 47-79, Springer Nature Switzerland AG, Humana Press, December 19, **2019**, Print ISBN: 978-3-030-31201-5, DOI: https://doi.org/10.1007/978-3-030-31202-2
3) Ayse Begum Tekinay, Brabu Balusamy, Anitha Senthamizhan, **Tamer Uyar**, " Chapter 5 - *Neuroregenerative Nanotherapeutics*" in "Nanomaterials for Regenerative Medicine" (edited by

Ayse Begum Tekinay), Pages 143-181, Springer Nature Switzerland AG, Humana Press, December 19, **2019**, Print ISBN: 978-3-030-31201-5, DOI: https://doi.org/10.1007/978-3-030-31202-2

4) Anitha Senthamizhan, Brabu Balusamy, **Tamer Uyar**, " Chapter 9 - *Surface Functionalized Electrospun Nanofibers for Removal of Toxic Pollutants in Water*" in "Nanofiber Membranes for Medical, Environmental, and Energy Applications" (edited by Ahmad Fauzi Ismail, Nidal Hilal, Juhana Jaafar and Chris Wright), page 189-214, CRC Press, August 8, **2019**, ISBN 9780815387039)

5) Zeynep Aytac, **Tamer Uyar "**Chapter 13: Applications of core-shell nanofibers: drug and biomolecules release and gene therapy" in "Core-shell nanostructures for drug delivery and theranostics: Challenges, strategies and prospects for novel carrier systems" (edited by Maria Focarete and Anna Tampieri), Elsevier, Woodhead Publishing 2018, page 375-404, 1st July **2018** (ISBN: 9780081021989)

6) Anitha Senthamizhan, Brabu Balusamy, **Tamer Uyar "**Chapter 6 - "Electrospun filters for organic pollutants removal" in "Filtering Media by Electrospinning: Next Generation Membranes for Separation Applications" (edited by Maria Letizia Focarete, Chiara Gualandi, Seeram Ramakrishna), Springer, 6 June **2018** (ISBN 978-3-319-78162-4)

7) Anitha Senthamizhan, Brabu Balusamy, **Tamer Uyar** "*Chapter 1: Electrospinning - a versatile processing technology for producing nanofibrous materials for biomedical and tissue engineering application*" in "*Electrospun materials for tissue engineering and biomedical applications: research, design and commercialization*" (edited by **Tamer Uyar** and Erich Kny), Elsevier, Woodhead Publishing Series in Biomaterials, page: 3-41, 2 June **2017**, United Kingdom (ISBN: 9780081010228)

8) Brabu Balusamy, Anitha Senthamizhan, **Tamer Uyar** "*Chapter 8: Electrospun nanofibrous materials for wound healing applications*" in "*Electrospun materials for tissue engineering and biomedical applications: research, design and commercialization*" (edited by **Tamer Uyar** and Erich Kny), Elsevier, Woodhead Publishing Series in Biomaterials, page: 147-177, 2 June **2017**, United Kingdom (ISBN: 9780081010228)

9) Brabu Balusamy, Anitha Senthamizhan, **Tamer Uyar** "*Chapter 6: In vivo safety evaluations of electrospun nanofibers for biomedical applications*" in "*Electrospun materials for tissue engineering and biomedical applications: research, design and commercialization*" (edited by **Tamer Uyar** and Erich Kny), Elsevier, Woodhead Publishing Series in Biomaterials, page: 101-113, 2 June **2017**, United Kingdom (ISBN: 9780081010228)

10) Yelda Ertas and **Tamer Uyar**, " *Part VI, Chapter 33: Polybenzoxazine-Based Nanofibers by Electrospinning"* in "*Advanced and Emerging Polybenzoxazine Science and Technology*" page: 643-671 (edited by Hatsuo Ishida and Pablo Froimowicz) Elsevier, 1 Feb **2017**, Netherlands (Hardcover ISBN: 9780128041703)

11) Anitha Senthamizhan and **Tamer Uyar** "*Chapter 8: Electrospun fluorescent nanofibers for explosive detection*" in "*Electrospinning for High Performance Sensing*" (Edited by Antonella Macagnano, Emiliano Zampetti and Erich Kny), page 179-204, Switzerland: Springer, 7 April **2015** (ISBN 978-3-319-14405-4)

12) Jale Hacaloglu, **Tamer Uyar** and Hatsuo Ishida, " *Chapter 14: Thermal Degradation Mechanism of Polybenzoxazines"* in "*Handbook of Benzoxazine Resins*" (edited by Hatsuo Ishida and Tarek Agag), page: 287-304, Elsevier, 16 July **2011**, Netherlands (ISBN: 978-0-444-53790-4)

Patent

- *Srinivas K. Mirle, Angelli Denmon and **Tamer Uyar*** "Breathable Absorbent Articles and Composites Comprising a Vapor Permeable, Liquid Barrier Layer with Thickening Capabilities" The Procter & Gamble Company, Cincinnati, OH, USA (WO/2005/112854) (24 Nov 2005)

PAPERS (in peer-reviewed journals only), (*) corresponding authors
Cornell: Papers with Postdocs, Graduate Students, Undergrad Students, Visiting Researchers
Bilkent: Papers with Postdocs, Graduate Students , Visiting Researchers

Revised/Under Review/Submitted/In Preparation:

1). Fuat Topuz* and **Tamer Uyar***, " Recent Advances in the Development of Cyclodextrin-based Nanoscale Drug Delivery Systems" **WIREs Nanomedicine & Nanobiotechnology** (invited review paper) (revised)
2). Fuat Topuz* and **Tamer Uyar***, "Electrospinning of Sustainable Polymers from Biomass for Active Food Packaging" **Sustainable Food Technology** (invited review paper) (revised)
3). Mohsen Alishahi, Ruobai Xiao, Melisa Kreismanis, Rimi Chowdhury, Mahmoud Aboelkheir, Serafina G. Lopez, Craig Altier, Lawrence J. Bonassar, Hongqing Shen, **Tamer Uyar*** "Antibacterial, Anti-inflammatory and Antioxidant Cotton-based Wound Dressing Coated with Chitosan/Cyclodextrin-Quercetin Inclusion Complex Nanofibers" (submitted to **ACS Applied Bio Materials**)
4). Asli Celebioglu, Emmy Hsiung, Mahmoud Aboelkheir, Rimi Chowdhury, Craig Altier, **Tamer Uyar***, "Pullulan/Essential Oil-Cyclodextrin Inclusion Complex Nanofibers with Enhanced Storage Stability and Antibacterial Property for Geraniol and Linalool", (submitted to **Food Bioprocess Tech**)
5). Junyi Wang, Amin Zarei, Leila Khazdooz, **Tamer Uyar**, Younas Dadmohammadi, Hongmin Dong, Alireza Abbaspourrad* "Tuning the Amphiphilicity of β-Cyclodextrin/L-Tryptophan Colloidal Nanoparticles for the Advancement of Highly Stable Pickering Emulsions", (**Food Hydrocolloids**) (revised)
6) Yelin Ko, **Tamer Uyar**, Juan P. Hinestroza* "UiO-66 Inspired Superhydrophobic Coatings Fabricated from Discarded Polyester/Spandex Textiles", (submitted to **ACS Applied Materials & Interfaces Manuscript**)

Published:
2024:

273). Yelin Ko, Juan P. Hinestroza, **Tamer Uyar*** " Electrospun Nanofibrous Membranes from Discarded Polyester Textiles for Oil Sorption", (**ACS Applied Polymer Materials**) (in press) (Cornell affiliation only)
(Impact Factor: **5.0** ; # of Citations: **-** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

272). Tony Tan, Asli Celebioglu, Mahmoud Aboelkheir, **Tamer Uyar***, " Risperidone/cyclodextrin inclusion complex electrospun nanofibers for fast-disintegrating antipsychotic drug delivery", **Journal of Drug Delivery Science and Technology**, 97, Article# 105753, page:1-10, 2024 (https://doi.org/10.1016/j.jddst.2023.104584) (Cornell affiliation only)
(Impact Factor: **5.0** ; # of Citations: **0** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

271). Yelda Ertas Dogan and **Tamer Uyar***, "Eugenol-derived bio-benzoxazine resins: Synthesis, characterization, and exceptional thermal stability" **Journal of Applied Polymer Science**, e55496, pg 1-12, 2024 (https://doi.org/10.1002/app.55496) (Cornell & Bilkent dual-affiliation)

270). Zehra Irem Yildiz, Fuat Topuz, Mehmet E. Kilic, Engin Durgun and **Tamer Uyar***, "Gelatin-Based and Gelatin-Free Electrospun Fibers of Lycopene/Cyclodextrin Inclusion Complexes with Potent Antioxidant Activity" **ACS Food Science & Technology**, 4, 833-841, 2024 (https://doi.org/10.1021/acsfoodscitech.3c00497) (Cornell & Bilkent dual-affiliation)
(Impact Factor: **2.3** ; # of Citations: **-** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

269). Mohsen Alishahi, Mahmoud Aboelkheir, Rimi Chowdhury, Craig Altier, Hongqing Shen, **Tamer Uyar*** " Functionalization of Cotton Nonwoven with Cyclodextrin/Lawsone Inclusion Complex Nanofibrous Coating for Antibacterial Wound Dressing", **International Journal of Pharmaceutics**, 652, #123815, p:1-12, 2024 (https://doi.org/10.1016/j.ijpharm.2024.123815) (Cornell affiliation only)
(Impact Factor: **5.8** ; # of Citations: **-** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **28%**)
IJP is the 2nd most cited journal in the category "Pharmacy & Pharmacology" (out of 279 journals) (Clarivate 2022)

268). Zehra Irem Yildiz, Fuat Topuz, Mahmoud Aboelkheir, Mehmet E. Kilic, Engin Durgun and **Tamer Uyar***, "Nanoencapsulation of Menthol/Cyclodextrin Inclusion Complexes within Fast-Dissolving Electrospun Gelatin Nanofibers" **ACS Food Science & Technology**, 4, 392-403, 2024 (https://doi.org/10.1021/acsfoodscitech.3c00496) (Cornell & Bilkent dual-affiliation)
(Impact Factor: **2.3** ; # of Citations: **-** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

267). Asli Celebioglu, Kareena Dash, Mahmoud Aboelkheir, Mehmet E. Kilic, Engin Durgun, **Tamer Uyar***, "Formulation of Fast-Disintegrating Drug Delivery System from Cyclodextrin/Naproxen Inclusion Complex Nanofibrous Films" **RSC Medicinal Chemistry**, 15, 595-606, 2024 (https://doi.org/10.1039/D3MD00557G) (in press) (Cornell affiliation only)
(Impact Factor: **4.1** ; # of Citations: **-** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

2023:

266). Yelin Ko, Juan P. Hinestroza, **Tamer Uyar*** "Structural Investigation on Electrospun Nanofibers from Postconsumer Polyester Textiles and PET Bottles", **ACS Applied Polymer Materials**, 5, 9, 7298-7307, 2023 (https://doi.org/10.1021/acsapm.3c01232) (Cornell affiliation only)
(Impact Factor: **5.0** ; # of Citations: **-** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

265). Asli Celebioglu* and **Tamer Uyar*** "Green Synthesis of Polycyclodextrin/Drug Inclusion Complex Nanofibrous Hydrogels: pH-Dependent Release of Acyclovir", **ACS Applied Bio Materials**, 6, 9, 3798-3809, 2023 (https://doi.org/10.1021/acsabm.3c00446) (Cornell affiliation only)
(Impact Factor: **4.7** ; # of Citations: **2** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

264). Kugalur Shanmugam Ranjith, Zehra Irem Yildiz, Mohammad Aref Khalily, Yun Suk Huh*, Young-Kyu Han*, and **Tamer Uyar***, "Membrane-based electrospun poly-cyclodextrin nanofibers coated with ZnO nanograins by ALD: Ultrafiltration blended photocatalysis for degradation of organic micropollutants" **Journal of Membrane Science**,Vol 686, Article# 122002, page:1-11, 2023 (https://doi.org/10.1016/j.memsci.2023.122002) (Cornell & Bilkent dual-affiliation)
(Impact Factor: **9.5**; # of Citations: **3** (Jan 2024, Google Scholar); Journal Acceptance Rate: **28%**)

263). Asli Celebioglu, Christopher Lawson, Emmy Hsiung, Rimi Chowdhury, Craig Altier, **Tamer Uyar*** "Antibacterial Nanofibrous Film of Pullulan/Cinnamaldehyde-Cyclodextrin Inclusion Complexes as Potential Cloth Mask Layer with Long-Term Storage Stability and Facile Disposal Property", **ACS Sustainable Chemistry & Engineering**, 11, 30, 11269-11280, 2023 (https://doi.org/10.1021/acssuschemeng.3c02598) (Cornell affiliation only)
(Impact Factor: **8.4** ; # of Citations: **1** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

262). Spoorthi Patil, Asli Celebioglu, **Tamer Uyar***, "Orally Fast-Dissolving Drug Delivery Systems for Pediatrics: Nanofibrous Oral Strips from Isoniazid/Cyclodextrin Inclusion Complexes", **Journal of Drug Delivery Science and Technology**, 85, Article# 104584, page:1-12, 2023 (https://doi.org/10.1016/j.jddst.2023.104584) (Cornell affiliation only)
(Impact Factor: **5.0** ; # of Citations: **5** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

261). Zehra Irem Yildiz, Fuat Topuz and **Tamer Uyar***, "Catechin Encapsulated Antioxidant Electrospun Cyclodextrin Complex Nanofibers and Polyvinyl Alcohol Nanofibers" **ACS Food Science & Technology**, 3, 6, 1136-1143, 2023 (https://doi.org/10.1021/acsfoodscitech.3c00124) (Cornell & Bilkent dual-affiliation)
(Impact Factor: **2.3** ; # of Citations: **-** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

260). Kubra Ertan, Asli Celebioglu, Rimi Chowdhury, Gulum Sumnu, Serpil Sahin, Craig Altier, **Tamer Uyar***, "Carvacrol/Cyclodextrin Inclusion Complex Loaded Gelatin/Pullulan Nanofibers for Active Food Packaging Applications", **Food Hydrocolloids**, 142, Article# 108864, page:1-12, 2023 (https://doi.org/10.1016/j.foodhyd.2023.108864) (Cornell affiliation only)
(Impact Factor: **10.7** ; # of Citations: **13** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

259). Rohith K. Ramakrishnan, Sundaramoorthy Palanisamy, Nechikkottil S. Sumitha, Akshay Kumar K Padinjareveetil, Sabarinath S, Stanisław Wacławek, **Tamer Uyar**, Miroslav Černík, Rajender S. Varma*, Jun Young Cheong*, and Vinod Vellora Thekkae Padil*, " Regenerable and Ultraflexible Sustainable Film Derived from Tree Gum Kondagogu for High-Performance Electromagnetic Interference Shielding" **ACS Sustainable Chemistry & Engineering**, 11 (19), 7344-7356, 2023 (https://doi.org/10.1021/acssuschemeng.2c07743) (Cornell affiliation only)
(Impact Factor: **8.4** ; # of Citations: **1** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

258). Zehra Irem Yildiz, Fuat Topuz, Mehmet E. Kilic, Engin Durgun and **Tamer Uyar***, "Encapsulation of antioxidant beta-carotene by cyclodextrin complex electrospun nanofibers: solubilization and stabilization of beta-carotene by cyclodextrins" **Food Chemistry**, 423, Article# 136284, page:1-9, 2023 (https://doi.org/10.1016/j.foodchem.2023.136284) (Cornell & Bilkent dual-affiliation)
(Impact Factor: **8.8**; # of Citations: **8** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

257). Emmy Hsiung, Asli Celebioglu*, Mehmet E. Kilic, Engin Durgun, **Tamer Uyar***, "Fast-Disintegrating Nanofibrous Web of Pullulan/Griseofulvin-Cyclodextrin Inclusion Complexes" **Molecular Pharmaceutics**, 20, 5, 2624–2633, 2023 (https://doi.org/10.1021/acs.molpharmaceut.3c00074) (Cornell affiliation only)
(Impact Factor: **4.9** ; # of Citations: **5** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

256). Fuat Topuz*, Bhushan Patil and **Tamer Uyar***, "Green One-Pot Synthesis of Bimetallic Pd-Pt Nanosponges using Biomolecules with Enhanced Catalytic Activity for Electrochemical Water Splitting" **Materials Advances**, 4, 1900–1904, 2023 (https://doi.org/10.1039/D2MA01070D) (Cornell & Bilkent dual-affiliation)
(Impact Factor: **5.0**; # of Citations: **1** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

2022:

255). Fuat Topuz* and **Tamer Uyar***, "Advances in the development of cyclodextrin-based nanogels/microgels for biomedical applications: Drug delivery and beyond, **Carbohydrate Polymers**, 297, Article# 120033, page:1-17, 2022 (https://doi.org/10.1016/j.carbpol.2022.120033) (Cornell affiliation only)
(Impact Factor: **11.2** ; # of Citations: **29** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

254). Emmy Hsiung, Asli Celebioglu*, Mehmet E. Kilic, Engin Durgun, **Tamer Uyar***, "Ondansetron/Cyclodextrin Inclusion Complex Nanofibrous Webs for Potential Orally Fast-Disintegrating Antiemetic Drug Delivery" **International Journal of Pharmaceutics**, 623, Article# 121921, page:1-12, 2022 (https://doi.org/10.1016/j.ijpharm.2022.121921) (Cornell affiliation only)
(Impact Factor: **5.8** ; # of Citations: **11** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **28%**)
IJP is the 2nd most cited journal in the category "Pharmacy & Pharmacology" (out of 279 journals) (Clarivate 2022)

253). Asli Celebioglu*, Antonio F. Saporito, **Tamer Uyar***, "Green Electrospinning of Chitosan/Pectin Nanofibrous Films by the Incorporation of Cyclodextrin/Curcumin Inclusion Complexes: pH-Responsive Release and Hydrogel Feature", **ACS Sustainable Chemistry & Engineering**, 10, 4758-4769, 2022 (https://doi.org/10.1021/acssuschemeng.2c00650) (Cornell affiliation only)
(Impact Factor: **8.4**; # of Citations: **24** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

252). Asli Celebioglu*, Deniz Tekant, Mehmet E. Kilic, Engin Durgun, **Tamer Uyar***, "Orally Fast-Disintegrating Resveratrol/Cyclodextrin Nanofibrous Films as Antioxidant Dietary Supplement", **ACS Food Science & Technology**, 2, 3, 568-580, 2022 (https://doi.org/10.1021/acsfoodscitech.1c00456) (Cornell affiliation only)
(Impact Factor: **2.3** ; # of Citations: **9** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

251). Emmy Hsiung, Asli Celebioglu*, Rimi Chowdhury, Mehmet E. Kilic, Engin Durgun, Craig Altier, **Tamer Uyar***, "Antibacterial Nanofibers of Pullulan/Tetracycline-Cyclodextrin Inclusion Complexes for Fast-Disintegrating Oral Drug Delivery", **Journal of Colloid and Interface Science**, 610, 321-333, 2022 (https://doi.org/10.1016/j.jcis.2021.12.013) (Cornell affiliation only)
(Impact Factor: **9.9** ; # of Citations: **32** (Jan 2024, Google Scholar); Journal Acceptance Rate: **20%**)

2021:

250). Asli Celebioglu*, Nancy Wang, Mehmet E. Kilic, Engin Durgun, **Tamer Uyar***, "Orally Fast Disintegrating Cyclodextrin/Prednisolone Inclusion Complex Nanofibrous Webs for Potential Steroid Medications", **Molecular Pharmaceutics**, 18, 12, 4486-4500, 2021 (https://doi.org/10.1021/acs.molpharmaceut.1c00677) (Cornell affiliation only)
(Impact Factor: **4.9** ; # of Citations: **15** (Jan 2024, Google Scholar); Journal Acceptance Rate: **NA**)

249). Serkan Demirci*, Asli Celebioglu, Selin Kinali-Demirci, Onder Idil, **Tamer Uyar***, "Antibacterial Activity of Cyclodextrin-Azo Dye Inclusion Complex Encapsulated Electrospun Polycaprolactone Nanofibers" **ChemistrySelect**, 6 (38), 10440-10446, 2021 (https://doi.org/10.1002/slct.202101881) (Cornell & Bilkent dual-affiliation)
(Impact Factor: **2.1**; # of Citations: **3** (Jan 2024, Google Scholar); Journal Acceptance Rate: **47%**)

248). Brabu Balusamy*, Anitha Senthamizhan*, Asli Celebioglu, **Tamer Uyar***, "Single nozzle electrospinning promoted hierarchical shell wall structured zinc oxide hollow tubes for water remediation" **Journal of Colloid and Interface Science**, 593, 162-171, 2021 (https://doi.org/10.1016/j.jcis.2021.02.089) (Cornell & Bilkent dual-affiliation)
(Impact Factor: **9.9**; # of Citations: **7** (Jan 2024, Google Scholar); Journal Acceptance Rate: **20%**)

247). Brabu Balusamy*, Anitha Senthamizhan*, Asli Celebioglu, **Tamer Uyar***, "General strategy for fabrication of ordered one dimensional inorganic structures by electrospinning: Structural evolution from belt to solid via hollow tubes" **Advanced Engineering Materials**, 23, Article # 2001129, page:1-13, 2021 (https://doi.org/10.1002/adem.202001129) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **3.6**; # of Citations: **3** (Jan 2024, Google Scholar); Journal Acceptance Rate: **33%**)

246). Asli Celebioglu* and **Tamer Uyar***, "Electrohydrodynamic Encapsulation of Eugenol-Cyclodextrin Inclusion Complexes in Pullulan Nanofibers" **Food Hydrocolloids**, 111, Article #106264, page:1-13, 2021 (DOI: 10.1016/j.foodhyd.2020.106264) (Cornell affiliation only)
(Impact Factor: **10.7** ; # of Citations: **62** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

245). Ozlem Coban, Zeynep Aytac, Zehra Irem Yildiz, **Tamer Uyar***, "Colon Targeted Delivery of Niclosamide from β-Cyclodextrin Inclusion Complex Incorporated Electrospun Eudragit® L100 Nanofibers" **Colloids and Surfaces B: Biointerfaces**, 197, Article # 11139, page:1-7, 2021 (https://doi.org/10.1016/j.colsurfb.2020.111391) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **5.8**; # of Citations: **25** (Jan 2024, Google Scholar); Journal Acceptance Rate: **23%**)

244). Asli Celebioglu* and **Tamer Uyar***, "Electrospun formulation of acyclovir/cyclodextrin nanofibers for fast-dissolving antiviral drug delivery" **Materials Science & Engineering C**, 118, Article # 111514, page:1-13, 2021 (https://doi.org/10.1016/j.msec.2020.111514) (Cornell affiliation only)
(Impact Factor: **8.5** ; # of Citations: **74** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **16%**)

2020:

243). Asli Celebioglu* and **Tamer Uyar***, "Design of Polymer-free Vitamin-A acetate/Cyclodextrin Nanofibrous Webs: Antioxidant and Fast-dissolving Property" **Food & Function**, 11, 7626-7637, 2020 (https://doi.org/10.1039/D0FO01776K) (Cornell affiliation only)
(Impact Factor: **6.1** ; # of Citations: **27** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

242). Brabu Balusamy, Anitha Senthamizhan, **Tamer Uyar***, "Electrospun Nanofibers for Wound Dressing and Tissue Engineering Applications" **Hacettepe Journal of Biology and Chemistry**, 48 (5), 459-481, 2020 (https://doi.org/10.15671/hjbc.789186) (invited paper for Special Issue: 100 Years of Polymer Science) (Cornell affiliation only)
(Impact Factor: **-** ; # of Citations: **6** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

241).Fuat Topuz, Asli Celebioglu, Zeynep Aytac, **Tamer Uyar***, "Influence of salt addition on polymer-free electrospinning of cyclodextrin nanofibers" **Nano Express**, 1, Article # 020041, page:1-10, 2020 (https://doi.org/10.1088/2632-959X/abb6c5) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **3.0**; # of Citations: **5** (Jan 2024, Google Scholar); Journal Acceptance Rate: **53%**)

240). Brabu Balusamy*, Asli Celebioglu, Anitha Senthamizhan, **Tamer Uyar***, "Progress in the design and development of "fast-dissolving" electrospun nanofibers based drug delivery systems-A systematic review" **Journal of Controlled Release**, 326, 482-509, 2020 (DOI: https://doi.org/10.1016/j.jconrel.2020.07.038) (Cornell affiliation only)
(Impact Factor: **10.8** ; # of Citations: **103** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

239). Anitha Senthamizhan, Brabu Balusamy, **Tamer Uyar***, "Functionalized electrospun nanofibers as a versatile platform for colorimetric detection of heavy metal ions in water: A review" **Materials**, 13 (10), 2421, 2020 (https://doi.org/10.3390/ma13102421) (invited review) (Cornell affiliation only)
(Impact Factor: **3.4** ; # of Citations: **37** (Jan 2024, Google Scholar) ; Journal Rejection Rate: **41%**)

238). Fuat Topuz* and **Tamer Uyar***, "Electrospinning of Cyclodextrin Nanofibers: The Effect of Process Parameters" **Journal of Nanomaterials**, Volume 2020, Article ID 7529306, 10 pages (DOI: https://doi.org/10.1155/2020/7529306) (Cornell&Bilkent dual-affiliation)
(CiteScore: **5.1**; # of Citations: **32** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **16.4%**)

237). Fuat Topuz*, Ashif Y. Shaikh, Mustafa O. Guler and **Tamer Uyar***, "Water-insoluble Polymer-free Uniform Nanofibers of Peracetylated Cyclodextrin by Electrospinning" **Journal of Materials Science,** 55, 11752-11762, 2020 (DOI: https://doi.org/10.1007/s10853-020-04820-2) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **4.5**; # of Citations: **8** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

236). Sesha Vempati*, Fuat Topuz, Kugalur Shanmugam Ranjith, Necmi Biyikli, **Tamer Uyar***, "Electrospinning Combined with Atomic Layer Deposition to Generate Applied Nanomaterials: A Review" **ACS Applied Nano Materials**, 3, 7, 6186-6209, 2020 (DOI:https://doi.org/10.1021/acsanm.0c01120) (Cornell affiliation only)
(Impact Factor: **5.9** ; # of Citations: **23** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

235). Asli Celebioglu* and **Tamer Uyar***, "Development of Ferulic Acid/Cyclodextrin Inclusion Complex Nanofibers for Fast-Dissolving Drug Delivery System " **International Journal of Pharmaceutics**, 584, Article# 119395, 2020 (DOI: https://doi.org/10.1016/j.ijpharm.2020.119395) (Cornell affiliation only)
(Impact Factor: **5.8** ; # of Citations: **59** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **28%**)

234). Asli Celebioglu* and **Tamer Uyar***, "Fast-dissolving Antioxidant Curcumin/Cyclodextrin Inclusion Complex Electrospun Nanofibrous Webs" **Food Chemistry** Article# 126397, 2020 (https://doi.org/10.1016/j.foodchem.2020.126397) (Cornell affiliation only)
(Impact Factor: **8.8** ; # of Citations: **128** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

233). Fatimah Fatimah, Zeynep Aytac, **Tamer Uyar**, George Pasparakis, Gareth R Williams*, "An Exploration of Electrospun Fibers Containing Drug-Cyclodextrin Inclusion Complexes" **Pharmaceutical Sciences & Research**, 7(1), 34-44, 2020 (https://doi.org/10.7454/psr.v7i1.1060) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **-**; # of Citations: **2** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

232). Bhushan Patil*, Zehra Irem Yildiz, **Tamer Uyar*** "Electrospun cyclodextrin nanofibers as precursor for carbon nanofibers" **Journal of Materials Science**, 55(13), 5655-5666, 2020 (https://link.springer.com/article/10.1007/s10853-020-04374-3) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **4.5**; # of Citations: **4** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

231). Kugalur Shanmugam Ranjith, D. Ranjith Kumar, Yun Suk Huh, Young-Kyu Han*, **Tamer Uyar***, Ramasamy Thangavelu Rajendra Kumar*, "Promotional Effect of Cu2S-ZnS Nanograins as Shell Layer on ZnO Nanorod Arrays for Boosting Visible Light Photocatalytic H2 Evolution" **The Journal of Physical Chemistry C**, 124, 6, 3610-3620, 2020 (https://doi.org/10.1021/acs.jpcc.9b09666) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **3.7**; # of Citations: **24** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

230). Bhushan Patil*, Bekir Satilmis*, **Tamer Uyar*** "Metal-free carbonized N-doped Polymers of Intrinsic Microporosity (PIM-1) and modified PIM-1s fibers for oxygen reduction reaction" **Journal of Power Sources**, 451, Article# 227799, 1-10, (https://doi.org/10.1016/j.jpowsour.2020.227799) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **9.2**; # of Citations: **27** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

229). Sefika Ozcan, Mert Erer, Sesha Vempati*, **Tamer Uyar***, Levent Toppare, Ali Cirpan*, "Graphene oxide doped PEDOT:PSS as hole transport layer in inverted bulk heterojunction solar cell" **Journal of Materials Science: Materials in Electronics**, 31, 3576–3584, 2020 (https://doi.org/10.1007/s10854-020-02906-w) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **2.8**; # of Citations: **16** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

228). Fuat Topuz* and **Tamer Uyar***, "Antioxidant, Antibacterial and Antifungal Electrospun Nanofibers for Food Packaging Applications" **Food Research International,** 130, 08927, 2020. (https://doi.org/10.1016/j.foodres.2019.108927) (invited review) (Cornell affiliation only)
(Impact Factor: **8.1** ; # of Citations: **229** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

227). Asli Celebioglu* and **Tamer Uyar***, "Hydrocortisone/Cyclodextrin Complex Electrospun Nanofibers for Fast-Dissolving Oral Drug Delivery System" **RSC Medicinal Chemistry**, 11(2), 245-258, 2020 (https://doi.org/10.1039/C9MD00390H) (Cornell affiliation only)
(Impact Factor: **4.1** ; # of Citations: **64** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

226). Kugalur Shanmugam Ranjith*, Bekir Satilmis, Yun Suk Huh, Young-Kyu Han*, **Tamer Uyar***, "Highly Selective Surface Adsorption-Induced Efficient Photodegradation of Cationic Dyes on Hierarchical ZnO Nanorod-Decorated Hydrolyzed PIM-1 Nanofibrous Webs" **Journal of Colloid and Interface Science**, 562, 29-41, 2020 (https://doi.org/10.1016/j.jcis.2019.11.096) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **9.9**; # of Citations: **19** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **20%**)

225). Anitha Senthamizhan, Brabu Balusamy, **Tamer Uyar***, "Recent progress on designing electrospun nanofibers for colorimetric biosensing applications" **Current Opinion in Biomedical Engineering**, 13, 1-8, 2020 (DOI: https://doi.org/10.1016/j.cobme.2019.08.002) (invited review) (Cornell affiliation only)
(Impact Factor: **3.9** ; # of Citations: **23** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **94%, invitation only**)

224). Alessio Fuoco, Bekir Satilmis,* **Tamer Uyar**, Marcello Monteleone, Elisa Esposito, Chiara Muzzi, Elena Tocci, Mariagiulia Longo, Maria Penelope De Santo, Marek Lanč, Karel Friess, Ondřej Vopička, Johannes C. Jansen*" Comparison of pure and mixed gas permeation of the highly fluorinated polymer of intrinsic microporosity PIM-2 under dry and humid conditions: experiment and modelling" **Journal of Membrane Science**, 594, 117460, 2020 (https://doi.org/10.1016/j.memsci.2019.117460) (Cornell affiliation only)
(Impact Factor: **9.5** ; # of Citations: **42** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **28%**)

223). Asli Celebioglu* and **Tamer Uyar***, " Electrospinning of Cyclodextrins: Hydroxypropyl-alpha-Cyclodextrin Nanofibers" **Journal of Materials Science**, 55 (1), 404-420, 2020 (https://link.springer.com/article/10.1007/s10853-019-03983-x) (Cornell affiliation only)
(Impact Factor: **4.5** ; # of Citations: **31** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

2019:

222). Asli Celebioglu* and **Tamer Uyar***, "Metronidazole/Hydroxypropyl-beta-Cyclodextrin Inclusion Complex Nanofibrous Webs as Fast-dissolving Oral Drug Delivery System" **International Journal of Pharmaceutics**, 572, Article No: 118828, pg 1-12, 2019 (DOI: https://doi.org/10.1016/j.ijpharm.2019.118828) (Cornell affiliation only)
(Impact Factor: **5.8** ; # of Citations: **65** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **28%**)

221). Asli Celebioglu* and **Tamer Uyar***, " Encapsulation and Stabilization of α-Lipoic Acid in Cyclodextrin Inclusion Complex Electrospun Nanofibers: Antioxidant and Fast-Dissolving α-Lipoic Acid/Cyclodextrin Nanofibrous Webs " **Journal of Agricultural and Food Chemistry**, 67 (47), 13093-13107, 2019 (DOI: https://doi.org/10.1021/acs.jafc.9b05580) (Cornell affiliation only)
(Impact Factor: **6.1** ; # of Citations: **40** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

220). M. Aref Khalily*, Bhushan Patil, Eda Yilmaz, **Tamer Uyar*** "Atomic Layer Deposition of Pd Nanoparticles on N-Doped Electrospun Carbon Nanofibers: Optimization of ORR Activity of Pd Based Nanocatalysts by Tuning Their Nanoparticle Size and Loading" **ChemNanoMat**, 5(12), 1540-1546, 2019 (DOI: https://doi.org/10.1002/cnma.201900483) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **3.8**; # of Citations: **10** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **45%**)

219). Brabu Balusamy, Anitha Senthamizhan, **Tamer Uyar***, "Functionalized electrospun nanofibers as colorimetric sensory probe for mercury detection: A Review" **Sensors**, 19(21), 4763, 2019 (DOI: https://doi.org/10.3390/s19214763). (invited review) (Cornell affiliation only)
(Impact Factor: **3.9** ; # of Citations: **28** (Jan 2024, Google Scholar) ; Journal Rejection Rate: **46%**)

218). Anitha Senthamizhan*, Despina Fragouli*, Brabu Balusamy, Bhushan Patil, Milan Palei, Stefania Sabella, **Tamer Uyar** and Athanassia Athanassiou* "Hydrochromic carbon dots as smart sensors for water sensing in organic solvents" **Nanoscale Advances (Inside Back Cover)**, 1, 4258-4267, 2019 (https://doi.org/10.1039/C9NA00493A) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **4.7**; # of Citations: **41** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

217). Zehra Irem Yildiz, Mehmet Emin Kilic, Engin Durgun, **Tamer Uyar***, "Molecular Encapsulation of Cinnamaldehyde within Cyclodextrin Inclusion Complex Electrospun Nanofibers: Fast-dissolution, Enhanced Water Solubility, High Temperature Stability and Antibacterial Activity of Cinnamaldehyde" **Journal of Agricultural and Food Chemistry**, 67, 40, 11066-11076, 2019 (https://doi.org/10.1021/acs.jafc.9b02789) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **6.1**; # of Citations: **74** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

216). Fuat Topuz* and **Tamer Uyar***, "Atomic Layer Deposition of Palladium Nanoparticles on a Functional Electrospun Poly-Cyclodextrin Nanoweb as a Flexible and Reusable Heterogeneous Nanocatalyst for Reduction of Nitroaromatic Compounds" **Nanoscale Advances**, 1, 4082-4089, 2019 (https://doi.org/10.1039/C9NA00368A) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **4.7**; # of Citations: **16** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

215). Asli Celebioglu* and **Tamer Uyar***, "Fast Dissolving Oral Drug Delivery System based on Electrospun Nanofibrous Webs of Cyclodextrin/Ibuprofen Inclusion Complex Nanofibers" **Molecular Pharmaceutics**, 16, 10, 4387-4398, 2019 (https://doi.org/10.1021/acs.molpharmaceut.9b00798) (Cornell affiliation only)
(Impact Factor: **4.9** ; # of Citations: **97** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

214). Yelda Ertas Dogan, Bekir Satilmis, **Tamer Uyar***, "Crosslinked PolyCyclodextrin/PolyBenzoxazine electrospun microfibers for selective removal of methylene blue from an aqueous system" **European Polymer Journal**, 119, 311-321, 2019 (https://doi.org/10.1016/j.eurpolymj.2019.08.005) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **6.0**; # of Citations: **13** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **24%**)

213). Brabu Balusamy*, Omer Faruk Sarioglu, Anitha Senthamizhan, **Tamer Uyar***, "Rational design and development of electrospun nanofibrous biohybrid composites" **ACS Applied Bio Materials**, 2, 3128-3143, 2019 (http://dx.doi.org/10.1021/acsabm.9b00308) (Cornell affiliation only)
(Impact Factor: **4.7** ; # of Citations: **27** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

212). Zehra Irem Yildiz and **Tamer Uyar***, "Fast-dissolving Electrospun Nanofibrous Films of Paracetamol/Cyclodextrin Inclusion Complexes" **Applied Surface Science**, 492, 626-633, 2019 (https://doi.org/10.1016/j.apsusc.2019.06.220) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **6.7**; # of Citations: **38** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **18%**)

211). Amaresh C Pradhan * and **Tamer Uyar*** "Electrospun Fe2O3 Entrenched SiO2 Supported N− and S− Dual Incorporated TiO2 Nanofibers Derived from Mixed Polymeric Template/Surfactant: Enrich Mesoporosity within Nanofibers, Effective Charge Separation and Visible Light Photocatalysis Activity" **Industrial and Engineering Chemistry Research**, 58, 28, 12535-12550, 2019 (https://doi.org/10.1021/acs.iecr.9b00970) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **4.2**; # of Citations: **10** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

210). Fuat Topuz*, Bekir Satilmis* and **Tamer Uyar***, "Electrospinning of Uniform Nanofibers of Polymers of Intrinsic Microporosity (PIM-1): The Influence of Solution Conductivity and Relative Humidity" **Polymer**, 178, 121610 (1-8), 2019 (https://doi.org/10.1016/j.polymer.2019.121610) (Cornell affiliation only)
(Impact Factor: **4.6** ; # of Citations: **71** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **24%**)

209). Yogesh Kumar, Bhushan Patil, Aisan Khaligh, Seyed Hadi, **Tamer Uyar**, Donus Tuncel*, "Novel Supramolecular Photocatalyst Based on Conjugation of Cucurbit[7]uril to Non-Metallated Porphyrin for Electrophotocatalytic Hydrogen Generation from Water Splitting" **ChemCatChem (FRONT COVER)** 11(13), 2994-2999, 2019 (https://doi.org/10.1002/cctc.201900144) (Bilkent affiliation)
(Impact Factor: **4.5** ; # of Citations: **12** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **33%**)

208). Asli Celebioglu, Fuat Topuz, Zehra Irem Yildiz and **Tamer Uyar***, "Efficient Removal of Polycyclic Aromatic Hydrocarbons (PAHs) and Heavy Metals from Water by Electrospun Nanofibrous Poly-Cyclodextrin Membrane" **ACS Omega**, 4, 7850-7860, 2019 (https://doi.org/10.1021/acsomega.9b00279) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **4.1**; # of Citations: **45** (Jan 2024, Google Scholar))

207). Bekir Satilmis*, **Tamer Uyar***, "Electrospinning of ultrafine poly(1-trimethylsilyl-1-propyne) [PTMSP] fibers: highly porous fibrous membranes for VOC removal" **ACS Applied Polymer Materials**, 1, 787-796, 2019 (https://doi.org/10.1021/acsapm.9b00027) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **5.0**; # of Citations: **17** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

206). Zeynep Aytac, Semran Ipek, Ismail Erol, Engin Durgun*, **Tamer Uyar***, "Fast-dissolving electrospun gelatin nanofibers encapsulating ciprofloxacin/cyclodextrin inclusion complex" **Colloids and Surfaces B: Biointerfaces**, 178, 129-136, 2019 (https://doi.org/10.1016/j.colsurfb.2019.02.059) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **5.8**; # of Citations: **84** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **23%**)

205). Fuat Topuz* and **Tamer Uyar***, "RNA-mediated, green synthesis of palladium nanodendrites for catalytic reduction of nitroarenes" **Journal of Colloid and Interface Science**, 544, 206-216, 2019 (https://doi.org/10.1016/j.jcis.2019.02.083) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **9.9**; # of Citations: **5** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **20%**)

204). Asli Celebioglu, Fuat Topuz and **Tamer Uyar***, "Facile and Green Synthesis of Palladium Nanoparticles Loaded into Cyclodextrin Nanofibers and Their Catalytic Application to Nitroarene Hydrogenation" **New Journal of Chemistry**, 43, 3146-3152, 2019 (https://doi.org/10.1039/C8NJ05133J) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **3.3**; # of Citations: **29** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

203). Bhushan Patil*, Bekir Satilmis, M. Aref Khalily, **Tamer Uyar*** "Atomic Layer Deposition Coated NiOOH/Ni(OH)2 Free-standing Flexible Well Aligned Binder-free Electrospun PIM-1 N-doped Carbon Fibers: Highly Stable Nanocatalyst for Electrochemical Water Splitting in Alkaline Medium" **ChemSusChem**, 12, 1469-1477, 2019 (https://doi.org/10.1002/cssc.201802500) (Cornell&Bilkent dual-affiliation)
(Impact Factor: **8.4**; # of Citations: **55** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **21%**)

202). M. Aref Khalily*, Bhushan Patil, Eda Yılmaz, **Tamer Uyar*** "Atomic Layer Deposition of Co3O4 Nanocrystals on N-Doped Electrospun Carbon Nanofibers: A Highly Efficient Bifunctional Electrocatalyst for Oxygen Reduction and Oxygen Evolution Reactions" **Nanoscale Advances**, 1, 1224-1231, 2019 (https://doi.org/10.1039/C8NA00330K) (Bilkent affiliation)
(Impact Factor: **4.7**; # of Citations: **23** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

201). Bekir Satilmis*, **Tamer Uyar***, "Development of superhydrophobic electrospun fibrous membrane of polymers of intrinsic microporosity (PIM-2)" **European Polymer Journal**, 112, 87-94, 2019 (https://doi.org/10.1016/j.eurpolymj.2018.12.029) (Bilkent affiliation)
(Impact Factor: **6.0** ; # of Citations: **21** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **18%**)

200). Fuat Topuz* and **Tamer Uyar***, "Electrospinning of Nanocomposite Nanofibers from Cyclodextrin and Laponite" **Composites Communications**, 12, 33-38, 2019 (https://doi.org/10.1016/j.coco.2018.12.002) (Bilkent affiliation)
(Impact Factor: **8.0** ; # of Citations: **20** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

199). Asli Celebioglu, Fuat Topuz, Zehra Irem Yildiz and **Tamer Uyar***, "One-Step Green Synthesis of Antibacterial Silver Nanoparticles Embedded in Electrospun Cyclodextrin Nanofibers" **Carbohydrate Polymers**, 207, 471-479, 2019 (https://doi.org/10.1016/j.carbpol.2018.12.008) (Bilkent affiliation)
(Impact Factor: **11.2** ; # of Citations: **86** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

198). Asli Celebioglu, Fuat Topuz and **Tamer Uyar***, "Water-Insoluble Hydrophilic Electrospun Fibrous Mat of Cyclodextrin-Epichlorohydrin Polymer as Highly Effective Sorbent" **ACS Applied Polymer Materials**, 1(1), 54-62, **2019** (https://doi.org/10.1021/acsapm.8b00034) (Bilkent affiliation)
(Impact Factor: **5.0** ; # of Citations: **44** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

197). Yelda Ertas Dogan, Bekir Satilmis, **Tamer Uyar***, "Synthesis and characterization of bio-based benzoxazines derived from thymol" **Journal of Applied Polymer Science**, 136(17), 47371, 2019 (1 of 10) (https://doi.org/10.1002/app.47371) (Bilkent affiliation)
(Impact Factor: **3.0** ; # of Citations: **32** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **40%**)

196). Bekir Satilmis*, Tugba Isık; Mustafa M. Demir*, **Tamer Uyar***, "Amidoxime functionalized Polymers of Intrinsic Microporosity (PIM-1) electrospun ultrafine fibers for rapid removal of uranyl ions from water" **Applied Surface Science**, Volumes 467–468, Pages 648-657, 2019 (https://doi.org/10.1016/j.apsusc.2018.10.210) (Bilkent affiliation)
(Impact Factor: **6.7** ; # of Citations: **58** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **18%**)

195). Bekir Satilmis*, **Tamer Uyar***, "Fabrication of thermally crosslinked Hydrolyzed Polymers of Intrinsic Microporosity (HPIM)/Polybenzoxazine electrospun nanofibrous membranes" **Macromolecular Chemistry and Physics**, 220, 1800326 (pp 1-11), 2019 (invited paper for SI: Honoring Prof. Dr. H. Ishida on occasion of his 70th birthday)
(https://doi.org/10.1002/macp.201800326) (Bilkent affiliation)
(Impact Factor: **2.5** ; # of Citations: **11** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **55%**)

194). Fuat Topuz* and **Tamer Uyar***, "Cyclodextrin Functional Electrospun Fibers for Drug Delivery" **Pharmaceutics** (invited review paper for SI: Electrospun and Electrosprayed Formulations for Drug Delivery) 11(1), 6, 1-35, 2019 (https://doi.org/10.3390/pharmaceutics11010006) (Bilkent affiliation)
(Impact Factor: **5.4** ; # of Citations: **129** (Jan 2024, Google Scholar) ; Journal Rejection Rate: **56%**)

2018: (Papers from 2018-2010 are only affiliated with Bilkent University)

193). Fuat Topuz*, **Tamer Uyar***, "Influence of Hydrogen Bonding Additives on Electrospinning of Cyclodextrin Nanofibers" **ACS Omega**, 3 (12), 18311-18322, 2018 (https://doi.org/10.1021/acsomega.8b02662)
Impact Factor: **4.1** ; # of Citations: **26** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

192). Kugalur Shanmugam Ranjith*, Bekir Satilmis and **Tamer Uyar*** "Hierarchical electrospun PIM nanofibers decorated with ZnO nanorods for effective pollutant adsorption and photocatalytic degradation" **Materials Today**, Volume 21, Issue 9, 989-990, **2018** (uncovered article) (**COVER** of November issue 2018) (https://doi.org/10.1016/j.mattod.2018.09.003)
Impact Factor: **26.9** ; # of Citations: **10** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

191). Zeynep Aytac, Asli Celebioglu, Zehra Irem Yildiz, **Tamer Uyar***, " Efficient encapsulation of citral in fast-dissolving polymer-free electrospun nanofibers of cyclodextrin inclusion complexes: high thermal stability, longer shelf-life and enhanced water-solubility of citral " **Nanomaterials**, 8(10), 793, 2018 (https://doi.org/10.3390/nano8100793)
Impact Factor: **5.3** ; # of Citations: **31** (Jan 2024, Google Scholar) ; Journal Rejection Rate: **42%**)

190). Kugalur Shanmugam Ranjith*, **Tamer Uyar***, "Conscientious Design of Zn-S/Ti-N Layer by Transformation of ZnTiO3 on Electrospun ZnTiO3@TiO2 Nanofibers: Stability and Reusable Photocatalytic Performance under Visible Irradiation" **ACS Sustainable Chemistry & Engineering**, 6 (10), 12980-12992, 2018 (https://doi.org/10.1021/acssuschemeng.8b02455)
Impact Factor: **8.4** ; # of Citations: **14** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

189). Mohammad Fathi Tovini, Bhushan Patil, Cevriye Koz, **Tamer Uyar**, Eda Yılmaz* "Nanohybrid Structured RuO2/Mn2O3/CNF as a Catalyst for Na-O2 Batteries" **Nanotechnology**, 29, #47, 475401 (10 pp), 2018 (https://doi.org/10.1088/1361-6528/aadfb7)
Impact Factor: **3.5** ; # of Citations: **22** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **33%**)

188). Kugalur Shanmugam Ranjith*, **Tamer Uyar***, "ZnO-TiO2 Composites and Ternary ZnTiO3 Electrospun Nanofibers: Influence on Annealing on Photocatalytic Response and Reusable Functionality" **CrystEngComm**, 20, 5801-5813, 2018 (https://doi.org/10.1039/C8CE00920A)
Impact Factor: **3.1** ; # of Citations: **20** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

187). Zehra Irem Yildiz, Asli Celebioglu, Mehmet Emin Kilic, Engin Durgun, **Tamer Uyar***, "Fast-dissolving Carvacrol/Cyclodextrin Inclusion Complex Nanofibers with Enhanced Thermal Stability,

Water Solubility and Antioxidant Activity" **Journal of Materials Science**, 53 (23), 15837-15849, 2018 (https://link.springer.com/article/10.1007/s10853-018-2750-1)
Impact Factor: **4.5** ; # of Citations: **67** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

186). Mohammad Aref Khalily, Mehmet Yurderi, Ali Haider, Ahmet Bulut, Bhushan Patil, Mehmet Zahmakiran*, **Tamer Uyar**,* "Atomic Layer Deposition of Ruthenium Nanoparticles on Electrospun Carbon Nanofibers: Highly Efficient Nanocatalyst for the Hydrolytic Dehydrogenation of Methylamine-Borane" **ACS Applied Materials & Interfaces**, 10(31):26162-26169, **2018** (https://doi.org/10.1021/acsami.8b04822)
Impact Factor: **9.5** ; # of Citations: **44** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

185). Sesha Vempati*, Sefika Ozcan, **Tamer Uyar** "Temporary and permanent changes to the defect equilibrium due to ultraviolet exposure: Surface and bulk effects on ZnO nanostructures" **Applied Surface Science** 457, 676-683, **2018** (https://doi.org/10.1016/j.apsusc.2018.05.214)
Impact Factor: **6.7** ; # of Citations: **5** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **18%**)

184). Bekir Satilmis*, **Tamer Uyar***, "Amine modified electrospun PIM-1 ultrafine fibers for an efficient removal of methyl orange from an aqueous system" **Applied Surface Science**, 453, 220-229, **2018** (https://doi.org/10.1016/j.apsusc.2018.05.069)
Impact Factor: **6.7** ; # of Citations: **61** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **18%**)

183). Bekir Satilmis*, **Tamer Uyar***, "Superhydrophobic Hexamethylene Diisocyanate (HMDI) Modified Hydrolyzed Polymers of Intrinsic Microporosity (PIM-1) Electrospun Ultrafine Fibrous Membrane for Adsorption of Organic Compounds and Oil-Water Separation" **ACS Applied Nano Materials**, 1 (4), 1631-1640, **2018** (DOI: 10.1021/acsanm.8b00115)
Impact Factor: **5.9** ; # of Citations: **31** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

182). Kugalur Shanmugam Ranjith*, Asli Celebioglu, **Tamer Uyar***, "Immobilized Pd-Ag bimetallic nanoparticles on polymeric nanofibers as an effective catalyst: Effective loading of Ag with the bimetallic function through Pd nucleated nanofibers" **Nanotechnology**, Vol:29, #24, 245602 (12 pp), **2018** (DOI: 10.1088/1361-6528/aab9da)
Impact Factor: **3.5** ; # of Citations: **10** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **33%**)

181). Ozlem Purut Koc, Seda Bekin Acar, **Tamer Uyar**, Mehmet Atilla Tasdelen*, "In-Situ Preparation of Thermoset/Clay Nanocomposites via Thiol-Epoxy Click Chemistry" **Polymer Bulletin** 75(11), 4901-4911, **2018** (DOI: 10.1007/s00289-018-2306-1)
Impact Factor: **3.2** ; # of Citations: **12** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

180). Aylin Altan*, Zeynep Aytac and **Tamer Uyar***, "Carvacrol loaded electrospun fibrous films from zein and poly(lactic acid) for active food packaging" **Food Hydrocolloids**, 81, 48-59, **2018** (DOI: 10.1016/j.foodhyd.2018.02.028)
Impact Factor: **10.7** ; # of Citations: **291** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

179). Fuat Topuz* and **Tamer Uyar***, "Cyclodextrin-Assisted Synthesis of Silica Mesoporous Nanoparticles" **Beilstein Journal of Nanotechnology**, 9, 693-703, **2018** (DOI: 10.3762/bjnano.9.64)
Impact Factor: **3.1** ; # of Citations: **5** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **35%**)

178). Sefika Ozcan, Sesha Vempati*, Ali Cirpan, **Tamer Uyar*** "Associative behavior and role of functional groups on the fluorescence of graphene oxide" **Physical Chemistry Chemical Physics (PCCP)**, 20, 7559-7569, **2018** (DOI: 10.1039/C7CP08334C)
Impact Factor: **3.3** ; # of Citations: **16** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

177). Bekir Satilmis*, **Tamer Uyar***, "Removal of aniline from air and water by polymers of intrinsic microporosity (PIM-1) electrospun ultrafine fibers" **Journal of Colloid and Interface Science**, 516, 317-324, **2018** (DOI: 10.1016/j.jcis.2018.01.069)
Impact Factor: **9.9** ; # of Citations: **53** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **20%**)

176). Asli Celebioglu, Zehra Irem Yildiz and **Tamer Uyar***, "Thymol/cyclodextrin inclusion complex nanofibrous webs: enhanced water solubility, thermal stability and antioxidant property of thymol" **Food Research International**, 106, 280-290, **2018** (DOI: 10.1016/j.foodres.2017.12.062)
Impact Factor: **8.1** ; # of Citations: **149** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

175). Zehra Irem Yildiz, Asli Celebioglu, Mehmet Emin Kilic, Engin Durgun, **Tamer Uyar***, "Menthol/Cyclodextrin Inclusion Complex Nanofibers: Enhanced Water-Solubility and High-Temperature Stability of Menthol" **Journal of Food Engineering**, 224, 27-36, **2018** (DOI: 10.1016/j.jfoodeng.2017.12.020)
Impact Factor: **5.5** ; # of Citations: **89** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

174). Asli Celebioglu, Zehra Irem Yildiz and **Tamer Uyar***, "Fabrication of Electrospun Eugenol/Cyclodextrin Inclusion Complex Nanofibrous Webs for Enhanced Antioxidant Property, Water Solubility and High Temperature Stability" **Journal of Agricultural and Food Chemistry**, 66, 457-466, **2018** (https://doi.org/10.1021/acs.jafc.7b04312)
Impact Factor: **6.1** ; # of Citations: **94** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

173). Asli Celebioglu, Zeynep Aytac, Mehmet Emin Kilic, Engin Durgun, **Tamer Uyar***, " Encapsulation of camphor in cyclodextrin inclusion complex nanofibers via polymer-free electrospinning: Enhanced water-solubility, high temperature stability and slow release of camphor" **Journal of Materials Science**, 53 (7), 5436-5449, **2018** (DOI: 10.1007/s10853-017-1918-4)
Impact Factor: **4.5** ; # of Citations: **30** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

172). Asli Celebioglu and **Tamer Uyar***, "Cyclodextrin short-nanofibers using sacrificial electrospun polymeric matrix for VOC removal" **Journal of Inclusion Phenomena and Macrocyclic Chemistry**, 90(1-2), 135-141, **2018** (DOI: 10.1007/s10847-017-0764-y)
Impact Factor: **2.3** ; # of Citations: **13** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

171). Zeynep Aytac, Semran Ipek, Engin Durgun, **Tamer Uyar***, "Antioxidant electrospun zein nanofibrous web encapsulating quercetin/cyclodextrin-inclusion complex" **Journal of Materials Science**, 53(2), 1527-1539, **2018** (DOI :10.1007/s10853-017-1580-x)
Impact Factor: **4.5** ; # of Citations: **82** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

170). Nalan Oya San*, Asli Celebioglu, Omer Faruk Sarioglu, **Tamer Uyar***, Turgay Tekinay*, "Encapsulation of Living Bacteria in Electrospun Cyclodextrin Ultrathin Fibers for Bioremediation of Heavy Metals and Reactive Dye from Wastewater" **Colloids and Surfaces B: Biointerfaces**, 161, 169-176, **2018** (DOI: 10.1016/j.colsurfb.2017.10.047)
Impact Factor: **5.8** ; # of Citations: **104** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **23%**)

169). Asli Celebioglu, Zehra Irem Yildiz, **Tamer Uyar***, "Electrospun nanofibers from cyclodextrin inclusion complexes with cineole and p-cymene: enhanced water-solubility and thermal stability" **International Journal of Food Science and Technology**, 53, 112–120, **2018** (DOI: 10.1111/ijfs.13564)
Impact Factor: **3.3** ; # of Citations: **36** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **31%**)

2017:

168). Kugalur Shanmugam Ranjith, Asli Celebioglu, Hamit Eren, Necmi Biyikli, **Tamer Uyar***, "Monodispersed, Highly Interactive Facet (111) Oriented Pd Nanograins by ALD onto Free-standing and Flexible Electrospun Polymeric Nanofibrous Webs for Catalytic Application" **Advanced Materials Interfaces**, 4, 1700640 (1-9), **2017** (DOI: 10.1002/admi.201700640) (**Inside Front Cover**)
Impact Factor: **5.4** ; # of Citations: **17** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **46%**)

167). Bekir Satilmis*, Peter M Budd, **Tamer Uyar***, "Systematic hydrolysis of PIM-1 and electrospinning of hydrolyzed PIM-1 ultrafine fibers for an efficient removal of dye from water" **Reactive and Functional Polymers**,121, 67-75, **2017** (DOI: 10.1016/j.reactfunctpolym.2017.10.019)
Impact Factor: **5.1** ; # of Citations: **60** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **19%**)

166). Asli Celebioglu, Kugalur Shanmugam Ranjith, Hamit Eren, Necmi Biyikli, **Tamer Uyar***, "Surface Decoration of Pt Nanoparticles via Atomic Layer Deposition with TiO_2 Protective Layer on Polymeric Nanofibers as Flexible and Reusable Heterogeneous Nanocatalysts" **Scientific Reports**, Oct 17;7(1):13401, **2017** (DOI: 10.1038/s41598-017-13805-2)
Impact Factor: **4.6** ; # of Citations: **32** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

165). Amaresh C Pradhan *, **Tamer Uyar*** "Morphological Control of Mesoporosity and Nanoparticles within Co3O4–CuO Electrospun Nanofibers: Quantum Confinement and Visible Light Photocatalysis Performance" **ACS Applied Materials & Interfaces**, 9 (41), 35757-35774, **2017** (DOI: 10.1021/acsami.7b09026)
Impact Factor: **9.5** ; # of Citations: **96** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

164). Osman Arslan*, Hamit Eren, Necmi Biyikli, **Tamer Uyar***, "Reusable and Flexible Heterogeneous Catalyst for Reduction of TNT by Pd Nanocube Decorated ZnO Nanolayers onto Electrospun Polymeric Nanofibers" **ChemistrySelect**, 2, 8790-8798, **2017** (DOI: 10.1002/slct.201701329)
Impact Factor: **2.1** ; # of Citations: **6** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **47%**)

163). Yelda Ertas, **Tamer Uyar***, "Fabrication of cellulose acetate/polybenzoxazine cross-linked electrospun nanofibrous membrane for water treatment" **Carbohydrate Polymers**, 177, 378-387, **2017** (DOI: 10.1016/j.carbpol.2017.08.127)
Impact Factor: **11.2** ; # of Citations: **63** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

162). Kugalur Shanmugam Ranjith* and **Tamer Uyar*** "Polymeric nanofibers decorated with reduced graphene oxide nanoflakes" **Materials Today**, 20 (6), 332-333, **2017** (DOI: 10.1016/j.mattod.2017.06.006) (uncovered article) (**COVER** of July/August issue 2017)
Impact Factor: **26.9** ; # of Citations: **2** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

161). Amaresh C Pradhan *, Anitha Senthamizhan, **Tamer Uyar*** "Electrospun Mesoporous Composite CuO− Co_3O_4/N-TiO_2 Nanofibers as Efficient Visible Light Photocatalysts" **ChemistrySelect**, 2 (24), 7031-7043, **2017** (DOI: 10.1002/slct.201701699)
Impact Factor: **2.1** ; # of Citations: **14** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **47%**)

160). Asli Celebioglu, Zehra Irem Yildiz, **Tamer Uyar***, "Electrospun poly-cyclodextrin nanofibers for highly efficient molecular filters thru host-guest complexation" **Scientific Reports,** 7, Article number: 7369, **2017** (DOI : 10.1038/s41598-017-07547-4)
Impact Factor: **4.6** ; # of Citations: **76** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

159). Sukhwinder K. Bhullar*, Deepti Rana, Huseyin Lekesiz, Ayse Celik Bedeloglu, Junghyuk Ko, Yonghyun Cho, Zeynep Aytac, **Tamer Uyar**, Martin Jun, Murugan Ramalingam*, "Design and fabrication of auxetic PCL nanofiber membranes for biomedical applications" **Materials Science & Engineering C**, 81, 334–340, **2017** (DOI: 10.1016/j.msec.2017.08.022)
Impact Factor: **8.5** ; # of Citations: **75** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **16%**)

158). Osman Arslan*, **Tamer Uyar***, "Multifunctional Electrospun Polymeric Nanofibrous Mat for Catalytic Reduction, Photocatalysis and Sensing" **Nanoscale**, 9, 9606-9614, **2017** (DOI: 10.1039/C7NR02658G)
Impact Factor: **6.7** ; # of Citations: **12** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

157). Asli Celebioglu and **Tamer Uyar***, "Antioxidant Vitamin E/Cyclodextrin Inclusion Complex Electrospun Nanofibers: Enhanced water-solubility, prolonged shelf-life and photostability of Vitamin

E" **Journal of Agricultural and Food Chemistry**, 65 (26), 5404-5412, **2017** (DOI: 10.1021/acs.jafc.7b01562)
Impact Factor: **6.1** ; # of Citations: **101** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

156). Kugalur Shanmugam Ranjith* and **Tamer Uyar*** "Rational synthesis of Na and S co-catalyzed TiO_2 based nanofibers: Presence of surface layered TiS_3 shell grains and sulphur induced defects for efficient visible-light driven photocatalytic properties" **Journal of Materials Chemistry A**, 5, 14206-14219, **2017** (DOI: 10.1039/C7TA02839C)
Impact Factor: **11.9** ; # of Citations: **34** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

155). Asli Celebioglu, Semran Ipek, Engin Durgun, **Tamer Uyar***, "Selective and Efficient Removal of Volatile Organic Compounds (VOCs) by Channel-type gamma-Cyclodextrin Assembly thru Inclusion Complexation" **Industrial & Engineering Chemistry Research**, 56, 7345-7354, **2017**, (DOI: 10.1021/acs.iecr.7b01084)
Impact Factor: **4.2** ; # of Citations: **26** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

154). Omer Faruk Sarioglu, Nalan Oya San, Asli Celebioglu, Turgay Tekinay*, **Tamer Uyar***, "Bacteria immobilized electrospun polycaprolactone and polylactic acid fibrous webs for remediation of textile dyes in water" **Chemosphere**, 184, 393-399, **2017** (DOI:10.1016/j.chemosphere.2017.06.020)
Impact Factor: **8.8** ; # of Citations: **41** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

153). Fuat Topuz* and **Tamer Uyar***, "Electrospinning of Gelatin with Tunable Fiber Morphology from Round to Flat/Ribbon" **Materials Science & Engineering C**, 80, 371-378, **2017** (DOI: 10.1016/j.msec.2017.06.001)
Impact Factor: **8.5** ; # of Citations: **98** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **16%**)

152). Kugalur Shanmugam Ranjith*, P. Manivel, R. T. Rajendra Kumar, **Tamer Uyar*** "Multifunctional ZnO Nanorod-Reduced Graphene Oxide Hybrids Nanocomposites for Effective Water Remediation: Effective Sunlight Driven Degradation of Organic Dyes and Rapid Heavy Metal Adsorption" **Chemical Engineering Journal**, 325, 588–600, **2017** (DOI: 10.1016/j.cej.2017.05.105)
Impact Factor: **15.1** ; # of Citations: **131** (Jan 2024, Google Scholar); Journal Acceptance Rate: **20%**)

151). Sesha Vempati,* Yelda Ertas, Asli Celebioglu, **Tamer Uyar**, "Tuning the degree of oxidation and electron delocalization of poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) with solid electrolyte" **Applied Surface Science**, 419, 770–777, **2017** (DOI: 10.1016/j.apsusc.2017.05.049)
Impact Factor: **6.7** ; # of Citations: **13** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **18%**)

150). Zehra Irem Yildiz, Asli Celebioglu, **Tamer Uyar***, "Polymer-Free Electrospun Nanofibers from Sulfobutyl Ether$_7$-beta-Cyclodextrin (SBE7-β-CD) Inclusion Complex with Sulfisoxazole: Fast-dissolving and Enhanced Water-solubility of Sulfisoxazole" **International Journal of Pharmaceutics**, 531 (2), 550-558, **2017** (DOI: 10.1016/j.ijpharm.2017.04.047)
Impact Factor: **5.8** ; # of Citations: **70** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **28%**)

149). Seda Bekin Acar, Mustafa Ozcelik, **Tamer Uyar**, Mehmet Atilla Tasdelen*, "Polyhedral oligomeric silsesquioxane-based hybrid networks obtained via thiol-epoxy click chemistry" **Iranian Polymer Journal**, 26 (6), 405-411, **2017** (DOI: 10.1007/s13726-017-0529-x)
Impact Factor: **3.1** ; # of Citations: **15** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

148). Osman Arslan*, Fuat Topuz, Hamit Eren, Necmi Biyikli, **Tamer Uyar***, "Pd Nanocube Decoration onto Flexible Nanofibrous Mats of Core-Shell Polymer-ZnO Nanofibers for Visible Light Photocatalysis" **New Journal of Chemistry**, 41, 4145-4156, **2017** (DOI: 10.1039/C7NJ00187H)
Impact Factor: **3.3** ; # of Citations: **19** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

147). Zeynep Aytac, Semran Ipek, Engin Durgun, Turgay Tekinay, **Tamer Uyar***, "Antibacterial electrospun zein nanofibrous web encapsulating thymol/cyclodextrin-inclusion complex for food packaging" **Food Chemistry**, 233, 117–124, **2017** (DOI: 10.1016/j.foodchem.2017.04.095)
Impact Factor: **8.8** ; # of Citations: **204** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

146). Fuat Topuz* and **Tamer Uyar***, "Poly-Cyclodextrin Cryogels with Aligned Porous Structure for Removal of Polycyclic Aromatic Hydrocarbons (PAHs) from Water" **Journal of Hazardous Materials**, 335, 108-116, **2017** (DOI: 10.1016/j.jhazmat.2017.04.022)
Impact Factor: **13.6** ; # of Citations: **45** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **14%**)

145). Zeynep Aytac, Zehra Irem Yildiz, Fatma Kayaci, Turgay Tekinay, **Tamer Uyar***, "Electrospinning of cyclodextrin/linalool-inclusion complex nanofibers: Fast-dissolving nanofibrous web with prolonged release and antibacterial activity" **Food Chemistry**, 231, 192–201, **2017** (DOI: 10.1016/j.foodchem.2017.03.113)
Impact Factor: **8.8** ; # of Citations: **122** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

144). Fuat Topuz* and **Tamer Uyar***, "Cyclodextrin-Functionalized Mesostructured Silica Nanoparticles for Removal of Polycyclic Aromatic Hydrocarbons" **Journal of Colloid and Interface Science**, 497, 233-241, 2017 (DOI: 10.1016/j.jcis.2017.03.015)
Impact Factor: **9.9** ; # of Citations: **52** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **20%**)

143). Kugalur Shanmugam Ranjith*, Anitha Senthamizhan, Brabu Balusamy, **Tamer Uyar*** "Surface grained shell wall controlled ZnO-ZnS core-shell nanofibers: Shell wall thickness dependent visible photocatalytic properties" **Catalysis Science & Technology**, 7, 1167 - 1180, **2017** (DOI: 10.1039/C6CY02556K)
Impact Factor: **5.0** ; # of Citations: **82** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

142). Zeynep Aytac, Nalan Oya San Keskin, Turgay Tekinay, **Tamer Uyar***, "Antioxidant α-tocopherol/γ-cyclodextrin-inclusion complex encapsulated polylactic acid electrospun nanofibrous web for food packaging" **Journal of Applied Polymer Science**, 134 (21), 44858 (1-9), 2017 (DOI:10.1002/app.44858)
Impact Factor: **3.0** ; # of Citations: **70** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **40%**)

141). Omer Faruk Sarioglu, Asli Celebioglu, Turgay Tekinay*, **Tamer Uyar***, "Evaluation of fiber diameter and morphology differences for electrospun fibers on bacterial immobilization and bioremediation performance" **International Biodeterioration & Biodegradation**, 120, 66-70, **2017** (DOI: 10.1016/j.ibiod.2017.02.010)
Impact Factor: **4.8** ; # of Citations: **10** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

140). Osman Arslan*, Zeynep Aytac, **Tamer Uyar***, "Fluorescent Si QD Decoration onto Flexible Polymeric Electrospun Nanofibrous Mat for Colorimetric Sensing of TNT" **Journal of Materials Chemistry C**, 5, 1816-1825, **2017** (DOI: 10.1039/C6TC05521D)
Impact Factor: **6.4** ; # of Citations: **12** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

139). Elif Oz, **Tamer Uyar**, Huseyin Esen*, Mehmet Atilla Tasdelen*, "Simultaneous Photoinduced Electron Transfer and Photoinduced CuAAC Processes for Antibacterial Thermosets" **Progress in Organic Coatings**, 105, 252–257, **2017**, (DOI: 10.1016/j.porgcoat.2017.01.011)
Impact Factor: **6.6** ; # of Citations: **8** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **32%**)

138). Omer Faruk Sarioglu, Nalan Oya San Keskin, Asli Celebioglu, Turgay Tekinay*, **Tamer Uyar***, "Bacteria encapsulated electrospun nanofibrous webs for remediation of textile dye in water" **Colloids and Surfaces B: Biointerfaces**, 152, 245–251, **2017** (DOI: 10.1016/j.colsurfb.2017.01.034)
Impact Factor: **5.8** ; # of Citations: **78** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **23%**)

137). Zeynep Aytac, **Tamer Uyar***, "Core-shell nanofibers of curcumin/cyclodextrin inclusion complex and polylactic acid: enhanced water solubility and slow release of curcumin" **International Journal of Pharmaceutics**, 518, (1–2), 177–184, **2017** (DOI: 10.1016/j.ijpharm.2016.12.061)
Impact Factor: **5.8** ; # of Citations: **117** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **28%**)

136). Seren Hamsici, Goksu Cinar, Asli Celebioglu, Tamer Uyar*, Ayse B. Tekinay*, Mustafa O. Guler*, "Bioactive Peptide Functionalized Aligned Cyclodextrin Nanofibers for Neurite Outgrowth" **Journal of Materials Chemistry B**, 5, 517-524, **2017** (DOI: 10.1039/C6TB02441F)
Impact Factor: **7.0** ; # of Citations: **43** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

135). Kadir Karakaş, Asli Celebioglu, Metin Celebi, **Tamer Uyar***, Mehmet Zahmakiran*, "Nickel Nanoparticles Supported on Electrospun Polycaprolactone/Chitosan Nanofibers as Flexible, Highly Active and Reusable Nanocatalyst in the Reduction of Nitrophenols under Mild Conditions" **Applied Catalysis B: Environmental**, 203, 549-562, **2017** (DOI: 10.1016/j.apcatb.2016.10.020)
Impact Factor: **22.1** ; # of Citations: **64** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **14%**)

134). Mohamed Karamane, Mustapha Raihane*, Mehmet Atilla Tasdelen*, **Tamer Uyar**, Mohamed Lahcini, Mohamed Ilsouk, Yusuf Yagci*, "Preparation of fluorinated methacrylate/clay nanocomposite via in-situ polymerization: characterization, structure and properties" **Journal of Polymer Science, Part A: Polymer Chemistry**, 55 (3), 411-418, **2017** (DOI: 10.1002/pola.28403)
Impact Factor: **3.4** ; # of Citations: **26** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **35%**)

2016:

133). Sesha Vempati,* Yelda Ertas, V. J. Babu,* **Tamer Uyar***, "Optoelectronic Properties of Layered Titanate Nanostructure and Polyaniline Impregnated Devices" **ChemistrySelect**, 1, 5885-5891, **2016** (DOI: 10.1002/slct.201601229)
Impact Factor: **2.1** ; # of Citations: **5** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **47%**)

132). Zeynep Aytac, Zehra Irem Yildiz, Fatma Kayaci, Nalan Oya San, Semran Ipek Kusku, Engin Durgun, Turgay Tekinay, **Tamer Uyar***, "Fast-dissolving, prolonged release and antibacterial cyclodextrin/limonene-inclusion complex nanofibrous webs via polymer-free electrospinning" **Journal of Agricultural and Food Chemistry,** 64 (39), 7325-7334, **2016** (DOI: 10.1021/acs.jafc.6b02632)
Impact Factor: **6.1** ; # of Citations: **96** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

131). Anitha Senthamizhan*, Brabu Balusamy*, Zeynep Aytac, **Tamer Uyar*** "Grain boundary engineering in electrospun ZnO nanostructures as promising photocatalyst" **CrystEngComm**, 18, 6341-6351, **2016** (DOI: 10.1039/C6CE00693K). (**Outside FRONT COVER**)
Impact Factor: **3.1** ; # of Citations: **61** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

130). Osman Arslan*, Zeynep Aytac, **Tamer Uyar***, "Superhydrophobic, Hybrid, Electrospun Cellulose Acetate Nanofibrous Mats for Oil/Water Separation by Tailored Surface Modification" **ACS Applied Materials & Interfaces**, 8 (30), 19747-19754, **2016** (DOI: 10.1021/acsami.6b05429)
Impact Factor: **9.5** ; # of Citations: **152** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

129). Asli Celebioglu, Fatma Kayaci, Semran Ipek Kusku, Engin Durgun, **Tamer Uyar***, "Polymer-free nanofibers from vanillin/cyclodextrin inclusion complexes: high thermal stability, enhanced solubility and antioxidant property" **Food & Function**, 7, 3141 - 3153, **2016** (DOI: 10.1039/C6FO00569A)
Impact Factor: **6.1** ; # of Citations: **94** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

128). Omer Faruk Sarioglu, Asli Celebioglu, Turgay Tekinay*, **Tamer Uyar***, "Bacteria immobilized electrospun fibrous polymeric webs for hexavalent chromium remediation in water" **International Journal of Environmental Science and Technology**, 13(8), 2057-2066, **2016** (DOI :10.1007/s13762-016-1033-0).

Impact Factor: **3.1** ; # of Citations: **27** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

127). Zeynep Aytac, Zehra Irem Yildiz, Fatma Kayaci, Nalan Oya San, Turgay Tekinay **Tamer Uyar***, "Electrospinning of polymer-free cyclodextrin/geraniol-inclusion complex nanofibers: enhanced shelf-life of geraniol with antibacterial and antioxidant properties" **RSC Advances**, 6, 46089-46099, **2016** (DOI: 10.1039/c6ra07088d)
Impact Factor: **3.9** ; # of Citations: **75** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

126). Zeynep Aytac, **Tamer Uyar***, "Antioxidant activity and photostability of α-tocopherol/β-cyclodextrin inclusion complex encapsulated electrospun polycaprolactone nanofibers" **European Polymer Journal**, 79, 140–149, 2016 (10.1016/j.eurpolymj.2016.04.029).
Impact Factor: **6.0** ; # of Citations: **79** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **24%**)

125). Zeynep Aytac, Semran Ipek Kusku, Engin Durgun, **Tamer Uyar*** "Encapsulation of gallic acid/cyclodextrin inclusion complex in electrospun polylactic acid nanofibers: release behavior and antioxidant activity of gallic acid" **Materials Science and Engineering C**, 63, 231-239, **2016** (DOI:10.1016/j.msec.2016.02.063)
Impact Factor: **8.5** ; # of Citations: **162** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **16%**)

124). Anitha Senthamizhan*, Brabu Balusamy, Asli Celebioglu, **Tamer Uyar*** "Nanotraps in porous electrospun fibers for effective removal of lead(II) in water" **Journal of Materials Chemistry A**, 4, 2484–2493, **2016** (DOI: 10.1039/C5TA09166G) (**Inside FRONT COVER**).
Impact Factor: **11.9** ; # of Citations: **42** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

123). Anitha Senthamizhan*, Brabu Balusamy, Zeynep Aytac, **Tamer Uyar*** "Ultrasensitive electrospun fluorescent nanofibrous membrane for effective detection of H_2O_2" **Analytical and Bioanalytical Chemistry**, 408(5), 1347-1355, **2016** (DOI: 10.1007/s00216-015-9149-5) (Invited Paper).
Impact Factor: **4.3** ; # of Citations: **39** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

122). Anitha Senthamizhan*, Brabu Balusamy*, **Tamer Uyar*** "Glucose sensors based on electrospun nanofibers: A review" **Analytical and Bioanalytical Chemistry**, 408(5), 1285-1306, **2016** (DOI: 10.1007/s00216-015-9152-x) (Invited Paper).
Impact Factor: **4.3** ; # of Citations: **108** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

121). Zeynep Aytac, Semran Ipek Kusku, Engin Durgun, **Tamer Uyar*** "Quercetin/β-cyclodextrin inclusion complex embedded nanofibres: Slow release and high solubility" **Food Chemistry**, 197(A), 864–871, **2016** (DOI: 10.1016/j.foodchem.2015.11.051).
Impact Factor: **8.8** ; # of Citations: **141** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

120). Asli Celebioglu, Huseyin Sener Sen, Engin Durgun, **Tamer Uyar***, "Molecular Entrapment of Volatile Organic Compounds (VOCs) by Electrospun Cyclodextrin Nanofibers" **Chemosphere**, 144, 736–744, **2016** (DOI:10.1016/j.chemosphere.2015.09.029)
Impact Factor: **8.8** ; # of Citations: **85** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

119). Yelda Ertas, **Tamer Uyar*** " Cross-linked Main-Chain Polybenzoxazine Electrospun Nanofibers by Photo and Thermal Curing: High Temperature Stability and Resistant to Good Solvents and Strong Acids" **Polymer**, 84, 72-80, **2016** (10.1016/j.polymer.2015.12.026).
Impact Factor: **4.6** ; # of Citations: **15** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **24%**)

2015:

118). Omer Faruk Sarioglu, Asli Celebioglu, Turgay Tekinay*, **Tamer Uyar***, "Evaluation of contact time and fiber morphology on bacterial immobilization for development of novel surfactant degrading nanofibrous webs" **RSC Advances**, 5, 102750-102758, **2015** (DOI: 10.1039/C5RA20739H)
Impact Factor: **3.9** ; # of Citations: **21** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

117). Anitha Senthamizhan*, Aslı Celebioglu, Brabu Balusamy, **Tamer Uyar*** "Immobilization of gold nanoclusters inside porous electrospun fibers for selective detection of Cu(II): A strategic approach to shielding pristine performance." **Scientific Reports**, 5, 15608, **2015** (DOI: 10.1038/srep15608).
Impact Factor: **4.6** ; # of Citations: **45** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

116). Nalan Oya San Keskin, Asli Celebioglu, Omer Faruk Sarioglu, **Tamer Uyar**, Turgay Tekinay, "Removal of Reactive Dye and Hexavalent Chromium by Reusable Bacteria Attached Electrospun Nanofibrous Web" **RSC Advances**, 5, 86867 - 86874, **2015** (DOI: 10.1039/C5RA15601G)
Impact Factor: **3.9** ; # of Citations: **34** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

115). Sesha Vempati*, Fatma Kayaci, Cagla Ozgit-Akgun, Necmi Biyikli, **Tamer Uyar*** " Amorphous to tetragonal zirconia nanostructures and the evolution of valance and core regions" **The Journal of Physical Chemistry-C** 119 (40), 23268–23273, **2015** (DOI: 10.1021/acs.jpcc.5b07904).
Impact Factor: **3.7** ; # of Citations: **18** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

114). Sesha Vempati*, Fatma Kayaci, Cagla Ozgit-Akgun, Necmi Biyikli, **Tamer Uyar*** " Surface ionic states and structure of zinc titanate nanotubes" **RSC Advances**, 5, 82977–82982, 2015, (DOI: 10.1039/c5ra14323c).
Impact Factor: **3.9** ; # of Citations: **10** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

113). Sesha Vempati*, Aslı Celebioglu, **Tamer Uyar*** " Defect related emission versus intersystem crossing: Blue emitting ZnO/graphene oxide quantum dots" **Nanoscale**, 7, 16110-16118, **2015** (DOI: 10.1039/C5NR04461H).
Impact Factor: **6.7** ; # of Citations: **29** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

112). Anitha Senthamizhan, Asli Celebioglu, Sumeyra Bayir, Mesut Gorur*, Erdinc Doganci, Faruk Yilmaz*, **Tamer Uyar*** "Highly fluorescent pyrene-functional styrene copolymer nanofibers for enhanced sensing performance of TNT" **ACS Applied Materials & Interfaces**, 7, 21038-21046, **2015** (DOI: 10.1021/acsami.5b07184)
Impact Factor: **9.5** ; # of Citations: **96** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

111). M. Arslan, **Tamer Uyar**, M.A. Tasdelen*, Y. Yagci*, "Poly(epsilon caprolactone)/clay nanocomposites via host-guest chemistry" **European Polymer Journal**, 71, 259–267, **2015**.
Impact Factor: **6.0** ; # of Citations: **20** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **24%**)

110). Veluru Jagadeesh Babu*, Sesha Vempati*, Yelda Ertas, **Tamer Uyar***, " Excitation dependent recombination studies on SnO2/TiO2 electrospun nanofibers " **RSC Advances**, 5, 66367–66375, **2015** (DOI: 10.1039/C5RA09787H).
Impact Factor: **3.9** ; # of Citations: **8** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

109). Anitha Senthamizhan*, Aslı Celebioglu, **Tamer Uyar*** "Real-time selective visual monitoring of Hg2+ detection at ppt level: An approach to lighting electrospun nanofibers using gold nanoclusters" **Scientific Reports**, 5, Article number:10403, **2015** (DOI: 10.1038/srep10403).
Impact Factor: **4.6** ; # of Citations: **63** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

108). Nalan Oya San Keskin*, Asli Celebioglu, **Tamer Uyar***, Turgay Tekinay*, "Microalgae immobilized nanofibrous web for removal of reactive dyes from wastewater" **Industrial & Engineering Chemistry Research**, 54 (21), 5802–5809, **2015** (DOI: 10.1021/acs.iecr.5b01033)
Impact Factor: **4.2** ; # of Citations: **69** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

107). Brabu Balusamy,* Burcu Ertit Taştan, Seyda Fikirdesici Ergen, **Tamer Uyar** and Turgay Tekinay*, Toxicity of Lanthanum oxide nanoparticles in aquatic environment, **Environmental Science: Processes & Impacts**,17, 1265-1270, **2015** (DOI: 10.1039/C5EM00035A).
Impact Factor: **5.5** ; # of Citations: **88** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

106). Fatma Kayaci, Sesha Vempati*, Cagla Ozgit-Akgun, Inci Donmez, Necmi Biyikli, **Tamer Uyar*** "Transformation of polymer-ZnO core-shell nanofibers into ZnO hollow nanofibers: Intrinsic defect reorganization in ZnO and its influence on the photocatalysis" **Applied Catalysis B: Environmental**, 176–177, 646–653, **2015**, (DOI: 10.1016/j.apcatb.2015.04.036).
Impact Factor: **22.1** ; # of Citations: **65** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **14%**)

105). Cagla Ozgit-Akgun*, Fatma Kayaci, Sesha Vempati, Ali Haider, Asli Celebioglu, Eda Goldenberg, Seda Kizir, **Tamer Uyar**, Necmi Biyikli* "Fabrication of flexible polymer-GaN core-shell nanofibers by the combination of electrospinning and hollow cathode plasma-assisted atomic layer deposition" **Journal of Materials Chemistry C** , 3, 5199-5206, **2015** (DOI: 10.1039/C5TC00343A).
Impact Factor: **6.4** ; # of Citations: **24** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

104). Cagla Ozgit-Akgun*, Fatma Kayaci, Sami Bolat, Burak Tekcan, Ali Kemal Okyay, **Tamer Uyar**, Necmi Biyikli* "Low-temperature hollow cathode plasma-assisted atomic layer deposition of crystalline III-nitride thin films and nanostructures" **Physica Status Solidi C**, 12 (4-5), 394–398, **2015** (DOI: 10.1002/pssc.201400167).
Impact Factor: **2.0** ; # of Citations: **17** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

103). Zeynep Aytac, Huseyin Sener Sen, Engin Durgun, **Tamer Uyar***, "Sulfisoxazole/cyclodextrin inclusion complex incorporated in electrospun hydroxypropyl cellulose nanofibers as drug delivery system" **Colloids & Surfaces B: Biointerfaces**, 128, 331-338, **2015** (DOI:10.1016/j.colsurfb.2015.02.019)
Impact Factor: **5.8** ; # of Citations: **115** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **23%**)

102). Fatma Kayaci, Huseyin Sener Sen, Engin Durgun, **Tamer Uyar*** "Electrospun nylon 6,6 nanofibers functionalized with cyclodextrins for removal of toluene vapor" **Journal of Applied Polymer Science**, 132(18), 41941 (pg 1-11), **2015** (DOI: 10.1002/APP.41941)
Impact Factor: **3.0** ; # of Citations: **28** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **40%**)

101). Sesha Vempati*, Sefika Ozcan, **Tamer Uyar*** " Controlling the photoconductivity: Graphene oxide and polyaniline self assembled intercalation" **Applied Physics Letters**, 106, 051106, **2015** http://dx.doi.org/10.1063/1.4907260
Impact Factor: **4.0** ; # of Citations: **7** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

100). Anitha Senthamizhan*, Aslı Celebioglu, **Tamer Uyar*** "Ultrafast on-site selective visual detection of TNT at Sub ppt level using single nanofiber incorporating fluorescent gold cluster" **ChemComm**, 51, 5590-5593, **2015** (DOI:10.1039/C4CC01190B) (**Inside FRONT COVER**)
Impact Factor: **4.9** ; # of Citations: **47** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

99). M. Aydin, **Tamer Uyar**, M.A. Tasdelen*, Y. Yagci*, "Polymer/Clay Nanocomposites through Multiple Hydrogen-bonding Interactions" **Journal of Polymer Science Part A: Polymer Chemistry**, 53(5), 650–658, **2015** (DOI: 10.1002/pola.27487)
Impact Factor: **3.4** ; # of Citations: **27** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **35%**)

98). Veluru Jagadeesh Babu*, Sesha Vempati*, **Tamer Uyar***, Seeram Ramakrishna*, " A review on 1-D and 2-D nanostructured materials for hydrogen generation " **Physical Chemistry Chemical Physics (PCCP)**, 17, 2960-2986, **2015** (Review article) (DOI: 10.1039/C4CP04245J).
Impact Factor: **3.3** ; # of Citations: **172** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

2014:

97). Paul Kiekens, Els Van der Burght, Erich Kny, **Tamer Uyar**, Rimvydas Milašius*, "Functional textiles - from research and development to innovations and industrial uptake" **Autex Research Journal**, 14 (4), 219-225, **2014** (DOI: 10.2478/aut-2014-0031).
Impact Factor: **1.1** ; # of Citations: **18** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

96). Asli Celebioglu, Sesha Vempati*, Cagla Ozgit-Akgun, Necmi Biyikli, **Tamer Uyar*** "Water-Soluble Non-Polymeric Electrospun Cyclodextrin Nanofiber Template for the Synthesis of Metal Oxide Tubes by Atomic Layer Deposition" **RSC Advances**, 4 (106), 61698 - 61705, **2014**, (DOI: 10.1039/c4ra12073f)
Impact Factor: **3.9** ; # of Citations: **49** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

95). Bogdanel Silvestru Munteanu, Zeynep Aytac, Gina M. Pricope, **Tamer Uyar***, Cornelia Vasile*, "Polylactic acid (PLA)/Silver-NP/VitaminE bionanocomposite electrospun nanofibers with antibacterial and antioxidant activity" **Journal of Nanoparticle Research**, 16:2643, **2014** (DOI: 10.1007/s11051-014-2643-4)
Impact Factor: **2.5** ; # of Citations: **108** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

94). Sesha Vempati*, Asli Celebioglu, **Tamer Uyar*** " Electron-phonon interaction in bulk layered graphene and its oxide in the presence of alcohols in a device: Equilibrium molecular doping" **Journal of Materials Chemistry C** 2 (40), 8585 - 8592, **2014**, (DOI: 10.1039/c4tc01694g).
Impact Factor: **6.4** ; # of Citations: **6** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

93). Sesha Vempati* and **Tamer Uyar***, " Fluorescence from graphene oxide and the influence of ionic, π-π interactions and heterointerfaces: electron or energy transfer dynamics " **Physical Chemistry Chemical Physics (PCCP)**, 16, 21183-21203, **2014**, (Review article) (DOI: 10.1039/c4cp03317e)
Impact Factor: **3.3** ; # of Citations: **46** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

92). Ali Haider, Cagla Ozgit-Akgun, Fatma Kayaci, Ali Kemal Okyay, **Tamer Uyar**, Necmi Biyikli* "Fabrication of AlN/BN bishell hollow nanofibers by electrospinning and atomic layer deposition" **APL Materials**, 2, 096109 (**2014**) (DOI: 10.1063/1.4894782).
Impact Factor: **6.1** ; # of Citations: **25** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

91). Anitha Senthamizhan*, Aslı Celebioglu, **Tamer Uyar*** "Flexible and highly stable electrospun nanofibrous membrane incorporating gold nanocluster as a efficient probe for visual colorimetric detection of Hg(II)" **Journal of Materials Chemistry A**, 2 (32), 12717 - 12723, **2014,** (DOI: 10.1039/C4TA02295E) (**Inside FRONT COVER**)
Impact Factor: **11.9** ; # of Citations: **75** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

90). Nalan Oya San*, Asli Celebioglu, Yasin Tumtas, **Tamer Uyar***, Turgay Tekinay*, "Reusable bacteria immobilized electrospun nanofibrous web for decolorization of methylene blue dye in wastewater treatment" **RSC Advances**, 4 (61), 32249-32255, **2014** (DOI: 10.1039/C4RA04250F)
Impact Factor: **3.9** ; # of Citations: **89** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

89). Fatma Kayaci, Sesha Vempati*, Inci Donmez, Necmi Biyikli, **Tamer Uyar*** "Role of Zinc Interstitials and Oxygen Vacancies of ZnO in Photocatalysis: A Bottom-Up Approach to Control the Defect Density" **Nanoscale**, 6, 10224-10234, **2014** (DOI: 10.1039/c4nr01887g)
Impact Factor: **6.7** ; # of Citations: **352** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

88). Serkan Demirci*, Asli Celebioglu, **Tamer Uyar***, "Surface Modification of Electrospun Cellulose Acetate Nanofibers via RAFT Polymerization for DNA Adsorption" **Carbohydrate Polymers**, 113, 200-207, **2014** (DOI: 10.1016/j.carbpol.2014.06.086)
Impact Factor: **11.2** ; # of Citations: **79** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

87). Zeynep Aytac, Sema Y. Dogan, Turgay Tekinay, **Tamer Uyar***, "Release and antibacterial activity of allyl isothiocyanate/β-cyclodextrin inclusion complex encapsulated in electrospun nanofibers" **Colloids & Surfaces B: Biointerfaces**, 120, 125-131, **2014** (DOI: 10.1016/j.colsurfb.2014.04.006)
Impact Factor: **5.8** ; # of Citations: **104** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

86). Tugba Orhan Lekesiz, Kadir Kaleli, **Tamer Uyar**, Ceyhan Kayran, Jale Hacaloglu*, "Preparation and characterization of polystyrene-b-poly(2-vinylpyridine) coordinated to metal or metal ion nanoparticles", **Journal of Analytical and Applied Pyrolysis**, 106, 81-85, **2014** (DOI: 10.1016/j.jaap.2014.01.002)
Impact Factor: **6.0** ; # of Citations: **10** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

85). Asli Celebioglu, Serkan Demirci, **Tamer Uyar***, "Cyclodextrin-Grafted Electrospun Cellulose Acetate Nanofibers via "Click" Reaction for Removal of Phenanthrene" **Applied Surface Science**, 305, 581-588, **2014** (DOI: 10.1016/j.apsusc.2014.03.138)
Impact Factor: **6.7** ; # of Citations: **134** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **18%**)

84). Fatma Kayaci, Huseyin Sener Sen, Engin Durgun, **Tamer Uyar*** "Functional Electrospun Polymeric Nanofibers Incorporating Geraniol-Cyclodextrin Inclusion Complexes: High Thermal Stability and Enhanced Durability of Geraniol" **Food Research International**, 62, 424-431, **2014** (DOI: 10.1016/j.foodres.2014.03.033)
Impact Factor: **8.1** ; # of Citations: **145** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

83). Sema Demirci Uzun, Fatma Kayaci, **Tamer Uyar***, Suna Timur, Levent Toppare*, "Bioactive Surface Design Based on Functional Composite Electrospun Nanofibers for Biomolecule Immobilization and Biosensor Applications" **ACS Applied Materials & Interfaces**, 6(7), 5235-5243, **2014** (DOI: 10.1021/am5005927)
Impact Factor: **9.5** ; # of Citations: **76** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

82). Fatma Kayaci, Sesha Vempati*, Cagla Ozgit-Akgun, Necmi Biyikli, **Tamer Uyar*** "Enhanced Photocatalytic Activity of Homoassembled ZnO Nanostructures on Electrospun Polymeric Nanofibres: A Combination of Atomic Layer Deposition and Hydrothermal Growth" **Applied Catalysis B: Environmental**, 156-157, 173-183, **2014** (DOI: 10.1016/j.apcatb.2014.03.004)
Impact Factor: **22.1** ; # of Citations: **107** (Jan 2024, Google Scholar); Journal Acceptance Rate: **14%**)

81). Fatma Kayaci, Sesha Vempati*, Cagla Ozgit-Akgun, Inci Donmez, Necmi Biyikli, **Tamer Uyar*** "Selective Isolation of Electron or Hole in Photocatalysis: ZnO-TiO2 and TiO2-ZnO Core-Shell Structured Heterojunction Nanofibers via Electrospinning and Atomic Layer Deposition" **Nanoscale**, 6 (11), 5735-5745, **2014** (DOI:10.1039/C3NR06665G) (**Outside FRONT COVER**)
Impact Factor: **6.7** ; # of Citations: **164** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

80). Fatma Kayaci and **Tamer Uyar*** "Electrospun Polyester/Cyclodextrin Nanofibers for Entrapment of Volatile Organic Compounds" **Polymer Engineering & Science**, 54(12), 2970–2978, **2014**, (DOI: 10.1002/pen.23858)
Impact Factor: **3.2** ; # of Citations: **60** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **43%**)

79). Yelda Ertas and **Tamer Uyar***, "Main-Chain Polybenzoxazine Nanofibers via Electrospinning" **Polymer**, 55, 556-564, **2014** (DOI: 10.1016/j.polymer.2013.12.018)
Impact Factor: **4.6** ; # of Citations: **22** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **24%**)

78). Serkan Demirci*, Asli Celebioglu, Zeynep Aytac, **Tamer Uyar***, "pH-responsive nanofibers with controlled drug release properties" **Polymer Chemistry**, 5 (6), 2050-2056, **2014** (DOI: 10.1039/C3PY01276J)
Impact Factor: **4.6** ; # of Citations: **84** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

77). M. Fatih Canbolat*, Asli Celebioglu, **Tamer Uyar*** "Drug Delivery System Based On Cyclodextrin-Naproxen Inclusion Complex Encapsulated in Electrospun Polycaprolactone Nanofibers" **Colloids & Surfaces B: Biointerfaces**, 115, 15-21, **2014** (DOI:10.1016/j.colsurfb.2013.11.021)
Impact Factor: **5.8** ; # of Citations: **201** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **23%**)

76). Asli Celebioglu, Ozgun C. O. Umu, Turgay Tekinay, **Tamer Uyar*** "Antibacterial Electrospun Nanofibers from Triclosan/Cyclodextrin Inclusion Complexes" **Colloids and Surfaces B: Biointerfaces**, 116, 612-619, **2014** (DOI: 10.1016/j.colsurfb.2013.10.029)
Impact Factor: **5.8** ; # of Citations: **129** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **23%**)

75). Asli Celebioglu, Zeynep Aytac, Ozgun C. O. Umu, Aykutlu Dana, Turgay Tekinay, **Tamer Uyar*** "One-step Synthesis of Size-Tunable Silver Nanoparticles Incorporated in Electrospun Polyvinyl alcohol (PVA)/Cyclodextrin Nanofibers" **Carbohydrate Polymers**, 99, 808-816, **2014** (DOI: 10.1016/j.carbpol.2013.08.097)
Impact Factor: **11.2** ; # of Citations: **105** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

2013:

74). Ruslan Garifullin, Oya Ustahuseyin, Asli Celebioglu, Goksu Cinar, **Tamer Uyar**, Mustafa Ozgur Guler*, "Noncovalent Functionalization of Nanofibrous Network with Bio-inspired Heavy Metal Binding Peptide" **RSC Advances**, 3, 24215-24221, **2013** (DOI: 10.1039/C3RA43930E)
Impact Factor: **3.9** ; # of Citations: **10** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

73). Asli Celebioglu and **Tamer Uyar*** "Electrospun gamma-cyclodextrin (γ-CD) nanofibers for entrapment of volatile organic compounds" **RSC Advances**, 3(45), 22891-22895, **2013** (DOI:10.1039/C3RA44870C)
Impact Factor: **3.9** ; # of Citations: **60** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

72). M. Aydin, M.A. Tasdelen, **T. Uyar**, Y. Yagci*, "In-situ Synthesis of A3-type Star Polymer/Clay Nanocomposites by Atom Transfer Radical Polymerization" **Journal of Polymer Science Part A: Polymer Chemistry**, 51, 5257-5262, **2013**. (DOI: 10.1002/pola.26957)
Impact Factor: **3.4** ; # of Citations: **25** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **35%**)

71). Sesha Vempati*, Yelda Ertas, **Tamer Uyar***, "Sensitive Surface States and their Passivation Mechanism in CdS Quantum Dots" **The Journal of Physical Chemistry C**, 117 (41), 21609-21618, **2013**, (DOI: 10.1021/jp408160h)
Impact Factor: **3.7** ; # of Citations: **61** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

70). Fatma Kayaci, Yelda Ertas, **Tamer Uyar*** "Enhanced Thermal Stability of Eugenol by Cyclodextrin Inclusion Complex Encapsulated in Electrospun Polymeric Nanofibers" **Journal of Agricultural and Food Chemistry**, 61 (34), 8156-8165, **2013** (DOI: 10.1021/jf402923c)
Impact Factor: **6.1** ; # of Citations: **217** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

69). Omer Faruk Sarioglu, Oncay Yasa, Asli Celebioglu, **Tamer Uyar***, Turgay Tekinay*, "Efficient ammonium removal from aquatic environments by Acinetobacter calcoaceticus STB1 immobilized on electrospun cellulose acetate nanofibrous web" **Green Chemistry**, 15 (9), 2566-2572, **2013** (DOI: 10.1039/C3GC40885J)
Impact Factor: **9.8** ; # of Citations: **46** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

68). Fatma Kayaci, Zeynep Aytac, **Tamer Uyar*** "Surface Modification of Electrospun Polyester Nanofibers with Cyclodextrin Polymer for the Removal of Phenanthrene from Aqueous Solution" **Journal of Hazardous Materials**, 261, 286-294, **2013** (DOI: 10.1016/j.jhazmat.2013.07.041)
Impact Factor: **13.6** ; # of Citations: **162** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **14%**)

67). Bulend Ortac*, Fatma Kayaci, Huseyin A. Vural, Ali Ekrem Deniz, **Tamer Uyar*** "Photoluminescent electrospun polymeric nanocomposite web incorporating germanium nanocrystals" **Reactive & Functional Polymers**, 73, 1262-1267, **2013**
Impact Factor: **5.1** ; # of Citations: **19** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **19%**)

66). Asli Celebioglu and **Tamer Uyar*** "Green and One-step Synthesis of Gold Nanoparticles Incorporated in Electrospun Cyclodextrin Nanofibers" **RSC Advances**, 3, 10197-10201, **2013**
Impact Factor: **3.9** ; # of Citations: **29** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

65). Asli Celebioglu and **Tamer Uyar*** "Electrospinning of nanofibers from non-polymeric systems: Electrospun nanofibers from native cyclodextrins" **Journal of Colloid and Interface Science**, 404, 1-7, **2013**
Impact Factor: **9.9** ; # of Citations: **102** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **20%**)

64). Fatma Kayaci, Cagla Ozgit-Akgun, Necmi Biyikli*, **Tamer Uyar*** "Surface-Decorated ZnO Nanoparticles and ZnO Nanocoating on Electrospun Polymeric Nanofibers by Atomic Layer Deposition for Flexible Photocatalytic Nanofibrous Membranes" **RSC Advances**, 3(19), 6817-6820, **2013**
Impact Factor: **3.9** ; # of Citations: **62** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

63). Fatma Kayaci, Ozgun C. O. Umu, Turgay Tekinay, **Tamer Uyar*** "Antibacterial Electrospun Polylactic acid (PLA) Nanofibrous Webs Incorporating Triclosan/Cyclodextrin Inclusion Complexes" **Journal of Agricultural and Food Chemistry**, 61(16), 3901-3908, **2013**
Impact Factor: **6.1** ; # of Citations: **191** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

62). Inci Donmez, Fatma Kayaci, Cagla Ozgit-Akgun, **Tamer Uyar***, Necmi Biyikli* "Fabrication of hafnia hollow nanofibers by atomic layer deposition using electrospun nanofiber templates" **Journal of Alloys and Compounds**, 559, 146-151, **2013**
Impact Factor: **6.2** ; # of Citations: **27** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **26%**)

61). E. Ozturk, B. Karaguzel Kayaoglu*, S. Guner, **Tamer Uyar** "Improving Hydrophobicity on Polyurethane-Based Synthetic Leather through Plasma Polymerization for Easy Care Effect" **Journal of Coatings Technology and Research**, 10(4), 549-558, **2013**
Impact Factor: **2.3** ; # of Citations: **21** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

60). C. Dizman, **Tamer Uyar**, M.A. Tasdelen*, Y. Yagci*, "Synthesis and Characterization of Polysulfone/POSS Hybrid Networks by Photoinduced Crosslinking Polymerization" **Macromolecular Materials and Engineering**, 298, 1117-1123, **2013** (DOI: 10.1002/mame.201200351)
Impact Factor: **3.9** ; # of Citations: **22** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **43%**)

59). M. Aydin, M.A. Tasdelen, **Tamer Uyar**, S. Jockusch, N. J. Turro Y. Yagci*, "Polystyrene/Clay Nanocomposites by Atom Transfer Radical Nitroxide Coupling Chemistry" **Journal of Polymer Science Part A: Polymer Chemistry,** 51(5),1024-1028, **2013**
Impact Factor: **3.4** ; # of Citations: **21** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **35%**)

58). Cagla Ozgit-Akgun, Fatma Kayaci, Inci Donmez, **Tamer Uyar***, Necmi Biyikli* "Template-Based Synthesis of AlN Hollow Nanofibers via Plasma-Enhanced Atomic Layer Deposition" **Journal of the American Ceramic Society**, 96(3), 916-922, **2013**
Impact Factor: **3.9** ; # of Citations: **35** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **37%**)

57). Menglin Chen, Søren Roesgaard Nielsen, **Tamer Uyar**, Shuai Zhang, Ashar Zafar, Jie Song, Mingdong Dong, Flemming Besenbacher*, "Electrospun UV-responsive Supramolecular Nanofibers from Cyclodextrin-Azobenzene Inclusion Complex" **Journal of Materials Chemistry C**, 1, 850-855, **2013**
Impact Factor: **6.4** ; # of Citations: **43** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

56). **Tamer Uyar***, Jale Hacaloglu, Hatsuo Ishida* "Synthesis, Characterization and Thermal Properties of Alkyl-functional Naphthoxazines" **Journal of Applied Polymer Science,** 127 (4), 3114-3123, **2013**
Impact Factor: **3.0** ; # of Citations: **19** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **40%**)

2012:

55). Fatma Kayaci, Cagla Ozgit-Akgun, Inci Donmez, Necmi Biyikli*, **Tamer Uyar***, "Polymer-Inorganic Core-Shell Nanofibers by Electrospinning and Atomic Layer Deposition: Flexible Nylon-ZnO Core-Shell Nanofibers and Their Photocatalytic Properties" **ACS Applied Materials & Interfaces**, 4, 6185-6194, **2012**
Impact Factor: **9.5** ; # of Citations: **182** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

54). Fatma Kayaci and **Tamer Uyar*** "Electrospun zein nanofibers incorporating cyclodextrins" **Carbohydrate Polymers,** 90 (1), 558-568, **2012**
Impact Factor: **11.2** ; # of Citations: **161** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

53). Fatma Kayaci and **Tamer Uyar*** "Encapsulation of vanillin/cyclodextrin inclusion complex in electrospun polyvinyl alcohol (PVA) nanowebs: Prolonged shelf-life and high temperature stability of vanillin" **Food Chemistry**, 133 (3), 641-649, **2012**
Impact Factor: **8.8** ; # of Citations: **318** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

52). Asli Celebioglu and **Tamer Uyar*** "Electrospinning of Nanofibers from Non-Polymeric Systems: Polymer-free Nanofibers from Cyclodextrin Derivatives" **Nanoscale,** 4, 621-631, **2012**.
Impact Factor: **6.7** ; # of Citations: **146** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

51). S. B. Bagherifam, **Tamer Uyar**, H. Ishida, J. Hacaloglu* "Investigation of polymerization of benzoxazines and thermal degradation characteristics of polybenzoxazines via direct pyrolysis mass spectrometry" **Polymer International**, 61, 1532-1541, **2012**
Impact Factor: **3.2** ; # of Citations: **38** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **30%**)

2011:

50). Fatma Kayaci and **Tamer Uyar*** "Solid Inclusion Complexes of Vanillin with Cyclodextrins: Their Formation, Characterization, and High-Temperature Stability" **Journal of Agricultural and Food Chemistry**, 59 (21),11772–11778, **2011**
Impact Factor: **6.1** ; # of Citations: **138** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

49). J. V. Nygaard*, **Tamer Uyar***, M. Chen, P. Cloetens, P. Kingshott, F. Besenbacher "Characterisation of internal morphologies in electrospun fibers by X-ray tomographic microscopy" **Nanoscale**, 3, 3594-3597, **2011**
Impact Factor: **6.7** ; # of Citations: **85** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

48). Ali Ekrem Deniz, Asli Celebioglu, Fatma Kayaci, **Tamer Uyar*** "Electrospun polymeric nanofibrous composites containing TiO2 short nanofibers" **Materials Chemistry and Physics**, 129, 701-704, **2011**
Impact Factor: **4.6** ; # of Citations: **53** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **23%**)

47). Ali Ekrem Deniz, Huseyin A. Vural, Bulend Ortac, **Tamer Uyar*** "Gold nanoparticle/polymer nanofibrous composites by laser ablation and electrospinning" **Materials Letters**, 65, 2941-2943, **2011**
Impact Factor: **3.0** ; # of Citations: **80** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **35%**)

46). C. Dizman, S. Ates, **Tamer Uyar**, M. A. Tasdelen, L. Torun, Y. Yagci*, "Polysulfone/Clay Nanocomposites by in situ Photoinduced Crosslinking Polymerization" **Macromolecular Materials & Engineering**, 296, 1101–1106, **2011**
Impact Factor: **3.9** ; # of Citations: **45** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **43%**)

45). K. D. Demir, M. A.Tasdelen, **Tamer Uyar**, A.W. Kawaguchi, A. Sudo, T. Endo, Y. Yagci*, "Synthesis of polybenzoxazine/clay nanocomposites by in situ thermal ring-opening polymerization using intercalated monomer" **Journal of Polymer Science Part A: Polymer Chemistry**, 49(19), 4213-4220, **2011**
Impact Factor: **3.4** ; # of Citations: **58** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **35%**)

44). C.Altinkok, **Tamer Uyar**, M. A. Tasdelen*, Y. Yagci* "In situ Synthesis of Polymer/Clay Nanocomposites by Type II Photoinitiated Free Radical Polymerization" **Journal of Polymer Science Part A: Polymer Chemistry**, 49, 3658-3663, **2011**
Impact Factor: **3.4** ; # of Citations: **54** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **35%**)

43). Asli Celebioglu and **Tamer Uyar*** "Electrospinning of Polymer-free Nanofibers from Cyclodextrin Inclusion Complexes" **Langmuir**, 27, 6218-6226, **2011**
Impact Factor: **3.9** ; # of Citations: **164** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

42). Asli Celebioglu and **Tamer Uyar*** "Electrospun porous cellulose acetate fibers from volatile solvent mixture" **Materials Letters**, 65(14), 2291–2294, **2011**
Impact Factor: **3.0** ; # of Citations: **168** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **35%**)

41) **Tamer Uyar***, Jale Hacaloglu, Flemming Besenbacher "Electrospun polyethylene oxide (PEO) nanofibers containing cyclodextrin inclusion complex" **Journal of Nanoscience and Nanotechnology**, 11(5), 3949-3958, **2011**.
Impact Factor: **1.4** ; # of Citations: **49** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

40) R. Nielsen, P. Kingshott, **Tamer Uyar**, J. Hacaloglu, K.L. Larsen* "Characterization of β-cyclodextrin modified SiO_2" **Surface and Interface Analysis**, 43(5), 884-892, **2011**
Impact Factor: **1.7** ; # of Citations: **18** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **29%**)

2010:

39) **Tamer Uyar***, R. Havelund, Y. Nur, A. Balan, J. Hacaloglu, L. Toppare, F. Besenbacher and P. Kingshott "Cyclodextrin functionalized poly(methyl methacrylate) (PMMA) electrospun nanofibers for organic vapors waste treatment" **Journal of Membrane Science**, 365 (1-2), 409–417 **2010**
Impact Factor: **9.5** ; # of Citations: **102** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **28%**)

38) **Tamer Uyar***, R. Havelund, J. Hacaloglu, F. Besenbacher and P. Kingshott "Functional electrospun polystyrene nanofibers incorporating alpha, beta and gamma cyclodextrins: Comparison of molecular filter performance" **ACS Nano**, 4(9), 5121-5130, **2010**
Impact Factor: **17.1** ; # of Citations: **163** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

37) Asli Celebioglu and **Tamer Uyar*** "Cyclodextrin Nanofibers by Electrospinning" **Chemical Communications (ChemComm)**, 46(37), 6903-6905, **2010 (Inside FRONT COVER)**
Impact Factor: **4.9** ; # of Citations: **156** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

36) D. Odaci, M. U. Kahveci, E. L. Sahkulubey, C. Ozdemir, **Tamer Uyar**, S. Timur*, Y.Yagci* "In situ Synthesis of Biomolecule Encapsulated Gold-Cross-linked Poly(ethylene glycol) Nanocomposite as Biosensing Platform: A Model Study" **Bioelectrochemistry,** 79(2), 211-217, **2010**
Impact Factor: **5.0** ; # of Citations: **32** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **30%**)

35) S. Bagherifam, **Tamer Uyar**, H. Ishida and J. Hacaloglu* "The Use of Pyrolysis Mass Spectrometry to Investigate Polymerization and Degradation Processes of Methyl Amine-based Benzoxazine" **Polymer Testing**, 29,520-526, **2010**
Impact Factor: **5.1** ; # of Citations: **37** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **33%**)

2009:

34) **Tamer Uyar***, I. Cianga, L. Cianga, F. Besenbacher, Y. Yagci* "Self-aligned and bundled electrospun fibers prepared from blends of polystyrene (PS) and poly(methyl methacrylate) (PMMA) with a hairy-rod polyphenylene copolymer" **Materials Letters**, 63, 1638–1641, **2009**
Impact Factor: **3.0** ; # of Citations: **17** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **35%**)

33) **Tamer Uyar***, R. Havelund, Y. Nur, J. Hacaloglu, F. Besenbacher and P. Kingshott* "Molecular Filters Based on Cyclodextrin Functionalized Electrospun Fibers" **Journal of Membrane Science**, 332 129–137, **2009**
Impact Factor: **9.5** ; # of Citations: **147** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **28%**)

32) **Tamer Uyar***, Y. Nur, J. Hacaloglu and F. Besenbacher "Electrospinning of functional poly(methyl methacrylate) (PMMA) nanofibers containing cyclodextrin-menthol inclusion complexes" **Nanotechnology**, 20, 125703, **2009**
Impact Factor: **3.5** ; # of Citations: **111** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **33%**)

31) **Tamer Uyar***, R. Havelund, J. Hacaloglu, X. Zhou, F. Besenbacher and P. Kingshott, Formation and characterization of cyclodextrin functionalized polystyrene nanofibers produced by Electrospinning, **Nanotechnology**, 20, 125605, **2009**
Impact Factor: **3.5** ; # of Citations: **56** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **33%**)

30) **Tamer Uyar*** and F. Besenbacher "Electrospinning of Cyclodextrin Functionalized Polyethylene oxide (PEO) nanofibers" **European Polymer Journal**, 45(4), 1032-1037, **2009 (Top 25 Hottest Articles, April to June 2009)**
Impact Factor: **6.0** ; # of Citations: **134** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **24%**)

29) **Tamer Uyar***, J. Hacaloglu and F. Besenbacher "Electrospun polystyrene fibers containing high temperature stable volatile fragrance/flavor facilitated by cyclodextrin inclusion complexes" **Reactive & Functional Polymers**, 69(3), 145-150, **2009**
Impact Factor: **5.1** ; # of Citations: **92** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **19%**)

28) **Tamer Uyar*,** A. Balan, L. Toppare, F. Besenbacher "Electrospinning of Cyclodextrin Functionalized Poly methyl methacryalte nanofibers" **Polymer**, 50, 475-480, **2009 (Top 25 Hottest Articles, January to March 2009)**
Impact Factor: **4.6** ; # of Citations: **105** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **24%**)

2008:

27) **Tamer Uyar***, P. Kingshott, F. Besenbacher, "Electrospinning of Cyclodextrin-Pseudopolyrotaxane Nanofibers" **Angewandte Chemie: International Edition** 47, 9108-9111, **2008**
Impact Factor: **16.6** ; # of Citations: **72** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **19%**)

26) **Tamer Uyar*** and F. Besenbacher "Electrospinning of Uniform Polystyrene Fibers: The Effect of Solvent Conductivity" **Polymer**, 49, 5336-5343, **2008**
Impact Factor: **4.6** ; # of Citations: **509** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **24%**)

25) **Tamer Uyar**, Z. Koyuncu, H. Ishida, J. Hacaloglu* "Polymerisation and Degradation Processes of a Aromatic Amine-based Naphtoxazine" **Polymer Degradation & Stability**, 93, 2096-2103, **2008,** DOI:10.1016/j.polymdegradstab.2008.09.003
Impact Factor: **5.9** ; # of Citations: **33** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **22%**)

2007-2001:

24) **Tamer Uyar**, C. C. Rusa, A.E. Tonelli, J. Hacaloglu* "Pyrolysis mass spectrometry analysis of polycarbonate/poly(methyl methacrylate)/poly(vinyl acetate) ternary blends" **Polymer Degradation & Stability**, 92 (1), 32-43, **2007**, DOI:10.1016/j.polymdegradstab.2006.10.002

Impact Factor: **5.9** ; # of Citations: **15** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **22%**)

23) **Tamer Uyar**, A.E. Tonelli, J. Hacaloglu*, "Thermal Degradation of Polycarbonate, Poly(vinyl acetate) and their blends" **Polymer Degradation & Stability**, 91 (12), 2960-2967, **2006**
Impact Factor: **5.9**; # of Citations: **55** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **22%**)

22) **T. Uyar**, H.S. Gracz, A. Shafei, I.D. Shin, M. Rusa, A. E. Tonelli* "Polymerization of Styrene in gamma-Cyclodextrin Channels: Lightly Rotaxanated Polystyrenes with Altered Stereosequences" **Polymer**, 47 (20), 6948-6955, **2006**
Impact Factor: **4.6** ; # of Citations: **32** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **24%**)

21) **Tamer Uyar**, G. Oguz , A.E. Tonelli, J. Hacaloglu* "Thermal Degradation Processes of Poly(carbonate) and Poly(methyl methacrylate) in Blends Coalesced from Their Common Inclusion Compound Formed with gamma-Cyclodextrin and Precipitated from Their Common Solution" **Polymer Degradation & Stability**, 91, 2471-2481, **2006**
Impact Factor: **5.9**; # of Citations: **16** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **22%**)

20) **Tamer Uyar**, E. Öztürk, K. Alyürük and J. Hacaloglu* "Investigation of chlorinated poly(propylene oxide) and polyepichlorohydrin by direct pyrolysis mass spectrometry" **Journal of Macromolecular Science: Pure and Applied Chemistry**. 43, 1399-1407, **2006**
Impact Factor: **2.5** ; # of Citations: **2** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **27%**)

19) C. C. Rusa, M. Rusa, J. Peet, **Tamer Uyar**, J. Fox, M. A. Hunt, C. M. Balik, A. E. Tonelli* "The Nano-threading of Polymers" **Journal of Inclusion Phenomena & Macrocyclic Chemistry**, 55, 1-2, 185, **2006**
Impact Factor: **2.3** ; # of Citations: **22** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

18) **Tamer Uyar**, A. Shafei, X. Wang , J. Hacaloglu, A.E. Tonelli* "The Solid Channel Structure Inclusion Complex Formed Between Guest Styrene and Host gamma-Cyclodextrin" **Journal of Inclusion Phenomena & Macrocyclic Chemistry**, 55 (1-2), 109-121, **2006**
Impact Factor: **2.3** ; # of Citations: **44** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

17) **T. Uyar**, M.A. Hunt , H.S. Gracz, A.E. Tonelli* "Crystalline Cyclodextrin Inclusion Compounds Formed with Aromatic Guests: Guest-Dependent Stoichiometries and Hydration-Sensitive Crystal Structures" **Crystal Growth and Design**, 6(5), 1113-1119, **2006**
Impact Factor: **3.8** ; # of Citations: **118** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

16) **Tamer Uyar**, E. Aslan , A.E. Tonelli, J. Hacaloglu* "Pyrolysis Mass Spectrometry Analysis of Poly(vinyl acetate), Poly(methyl methacrylate) and Their Blend Coalesced from Their Inclusion Compounds Formed with gamma-Cyclodextrin" **Polymer Degradation and Stability**, 91, 1-11, **2006**
Impact Factor: **5.9**; # of Citations: **37** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **22%**)

15) **Tamer Uyar**, C.C. Rusa, M.A. Hunt, J. Hacaloglu, A.E. Tonelli* "Intimate Blending of Binary Polymer Systems from Their Common Cyclodextrin Inclusion Compounds" **Journal of Polymer Science, Part B: Polymer Physics**, 43, 2578-2593, **2005**
Impact Factor: **3.3** ; # of Citations: **30** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

14) **Tamer Uyar**, C.C. Rusa, M. A. Hunt, J. Hacaloglu, A.E. Tonelli* "Reorganization and Improvement of Bulk Polymers by Processing with Their Cyclodextrin Inclusion Compounds" **Polymer**, 46(13), 4762, **2005**
Impact Factor: **4.6** ; # of Citations: **64** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **24%**)

13) C. C. Rusa, M. Wei, T. A. Bullions, X. Shuai, **Tamer Uyar**, A. E. Tonelli* "Nanostructuring polymers with cyclodextrins" **Polymers for Advanced Technologies**, 16 (2-3), 269-275, **2005**
Impact Factor: **3.4** ; # of Citations: **23** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **34%**)

12) C. C. Rusa, M. Wei, X. Shuai, T. A. Bullions X. Wang, M. Rusa, **T. Uyar**, A. E. Tonelli* "Molecular Mixing of Incompatible Polymers Through Formation of and Coalescence from Their Common Crystalline Cyclodextrin Inclusion Compounds" **J of Polymer Science Part B: Polymer Physics**, 42, 4207, **2004**
Impact Factor: **3.3** ; # of Citations: **30** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

11) C.C. Rusa, **Tamer Uyar**, M. Rusa, M. A. Hunt, X. Wang, A.E. Tonelli* "An Intimate PC/PMMA/PVAc Ternary Blend via Coalescence from Their Common γ-Cyclodextrin Inclusion Compound" **Journal of Polymer Science Part B: Polymer Physics**, 42, 4182-4194, **2004**
Impact Factor: **3.3** ; # of Citations: **33** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

10) **Tamer Uyar**, M. Rusa, A.E. Tonelli* "Polymerization of styrene in cyclodextrin channels: Can confined free-radical polymerization yield stereoregular polystyrene?" **Macromolecular Rapid Communication**, 25(15), 1382, **2004**
Impact Factor: **4.6** ; # of Citations: **44** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **43%**)

9) M.A. Hunt, D.W. Jung, M. Shamsheer, **Tamer Uyar**, A.E. Tonelli* "Polystyrenes in Channels" **Polymer**, 45(4), 1345, **2004**
Impact Factor: **4.6** ; # of Citations: **31** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **24%**)

8) J.O. Iroh*, Y. Zhu, K. Shah, K. Levine, R. Rajagopalan, **Tamer Uyar**, M. Donley, R. Mantz, J. Johnson, N.N. Voevodin, V.N. Balbyshev, A.N. Khramov "Electrochemical Synthesis: A Novel Technique for Processing Multi-Functional Coatings" **Progress in Organic Coatings**, 47(3-4), 365-375, **2003**
Impact Factor: **6.6** ; # of Citations: **106** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **32%**)

7) **Tamer Uyar**, L.Toppare, J. Hacaloglu* "The Pyrolysis Analysis of Polypyrrole/Poly(2-(N-pyrrolyl) ethylvinylether)" **Journal of Anaytical and Applied Pyrolysis**, 68-69,15-24, **2003**
Impact Factor: **6.0** ; # of Citations: **6** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

6) **Tamer Uyar** and J. Hacaloglu* "Thermal Degradation of Poly(propylene oxide) and Poly(epichlorohydrin) by Direct Insertion Probe Mass Spectrometry" **Journal of Analytical and Applied Pyrolysis**, 64(2), 379-393, **2002**
Impact Factor: **6.0** ; # of Citations: **17** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

5) **Tamer Uyar**, L.Toppare, J. Hacaloglu* "Characterization of p-Toluene Sulfonic Acid Doped Polypyrrole by Direct Insertion Probe Mass Spectrometry" **J of Analytical & Applied Pyrolysis**, 64(1), 1-13, **2002**
Impact Factor: **6.0** ; # of Citations: **29** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **NA**)

4) **Tamer Uyar**, L.Toppare, J. Hacaloglu* "Pyrolysis of BF_4^- Doped Polypyrrole by Direct Insertion Probe Mass Spectrometry" **J of Macromolecular Sci.: Pure & Applied Chemistry**, 38(11), 1141, **2001**
Impact Factor: **2.5** ; # of Citations: **10** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **27%**)

3) **Tamer Uyar**, L.Toppare, J. Hacaloglu* "Spectroscopic Investigation of Oxidation of p-Toluene Sulfonic Acid Doped Polypyrrole" **Synthetic Metals**, 123: (2) 335, **2001**
Impact Factor: **4.4** ; # of Citations: **48** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **25%**)

2) **Tamer Uyar**, L.Toppare, J. Hacaloglu* "Thermal and Structure Characterization of Polypyrrole by Direct Insertion Probe Pyrolysis Mass Spectrometer" **Synthetic Metals**, 119, 307, **2001**
Impact Factor: **4.4** ; # of Citations: **27** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **25%**)

1) **Tamer Uyar**, L.Toppare, J. Hacaloglu* "Fluoride Substitution on Polypyrrole During Electrochemical Synthesis in the Presence of N(Bu)4BF4", **Macromolecular Rapid**

Communications, 22, 199, **2001**
Impact Factor: **4.6** ; # of Citations: **10** (Jan 2024, Google Scholar) ; Journal Acceptance Rate: **43%**)

CONFERENCE PRESENTATIONS

227) Handan PALAK, **Tamer UYAR**, Burçak KARAGÜZEL KAYAOĞLU, "Cellulose nanocrystal-loaded polylactide nanocomposites via solution casting method: rheological, morphological, and thermal properties", **American Chemical Society (ACS) National Fall 2024 Meeting & Exposition**, August 18-22, 2024, Denver, CO, USA. (Oral Presentation)

226) Habeeb Mousa, Heba Saleh, Louis V. Antoine, Jacques Goosen, Fatih Bayansal, Mahmoud Aboelkheir, **Tamer Uyar**, Ali K. Okyay, Necmi Biyikli, "Fabrication of ZnO Metal-Semiconductor-Metal Photodetectors on Cotton via Thermal-ALD", **AVS 24th International Conference on Atomic Layer Deposition (ALD 2024)**, August 4-7, 2024, Helsinki, Finland. (Poster Presentation)

225) Handan PALAK, **Tamer UYAR**, Burçak KARAGÜZEL KAYAOĞLU, "Morphological and Thermal Properties of Cellulose Nanocrystal-Loaded Polylactide/Poly(Butylene Adipate-Co-Terephthalate) Nanocomposite Nanofibers", **The Fiber Society 2024 Spring Conference**, May 22–24, 2024, Greensboro, NC, USA. (Oral Presentation)

224) Tamer Uyar, "Cyclodextrin Functional Nanofibrous Materials and Their Potential Applications", **The Fiber Society 2023 Fall Conference**, October 25–27, 2023, Philadelphia, Pennsylvania, USA. (Plenary Speaker)

223) Mahmoud Aboelkheir, Asli Celebioglu, **Tamer Uyar,** "Removal of Triclosan From Aqueous Environment By Electrospun Polycyclodextrin Nanofibrous Membrane", **American Chemical Society (ACS) National Fall 2022 Meeting & Exposition**, Chicago, IL, August 21-25, **2022** (Oral Presentation)

222) Mahmoud Aboelkheir, Asli Celebioglu, **Tamer Uyar,** "Electrospun Polycyclodextrin Nanofibrous Membrane for the Scavenging of Organic Micropollutants from Aqueous Environment", **2022 New York State Nanotechnology Network (NNN) Symposium: "Bridging the Workforce Gap"**, Cornell University, Ithaca, NY, May 19, **2022** (Poster Presentation)

221) Ankit Kirtania, Asli Celebioglu, **Tamer Uyar**, "Diltiazem HCl/Hydroxypropyl-β-Cyclodextrin Inclusion Complex Nanofibrous Webs as Fast-dissolving Oral Drug Delivery System", **2022 New York State Nanotechnology Network (NNN) Symposium: "Bridging the Workforce Gap"**, Cornell University, Ithaca, NY, May 19, **2022** (Poster Presentation)

220) Asli Celebioglu, **Tamer Uyar, "**Eugenol/Cyclodextrin Inclusion Complex Encapsulated Pullulan Nanofibers for Potential Food Packaging Applications", **American Chemical Society (ACS) National Spring 2022 Meeting & Exposition**, San Diego, CA, March 20-24, **2022** (Oral Presentation)

219) Kareena Dash, Asli Celebioglu, **Tamer Uyar, "**Fast-Disintegrating Oral Drug Delivery System based on Naproxen/Cyclodextrin Inclusion Complex Nanofibers", **American Chemical Society (ACS) National Spring 2022 Meeting & Exposition**, San Diego, CA, March 20-24, **2022** (Oral Presentation)

218) Emmy Hsiung, Asli Celebioglu, **Tamer Uyar, "**Ondansetron/Cyclodextrin Inclusion Complex Electrospun Nanofibers for Fast-Disintegrating Drug Delivery", **American Chemical Society (ACS)**

National Spring 2022 Meeting & Exposition, San Diego, CA, March 20-24, **2022** (Oral Presentation)

217) Asli Celebioglu, Tamer Uyar, "Orally Fast-Disintegrating Delivery System of Ferulic Acid/Cyclodextrin Inclusion Complex Nanofibers", **2021 MRS-Materials Research Society Fall Meeting & Exhibit (Virtual)**, December 6-8, **2021** (Oral Presentation).

216) Emmy Hsiung, Asli Celebioglu, Tamer Uyar, Griseofulvin/Cyclodextrin Inclusion Complex Nanofibers for Fast-dissolving Oral Drug Delivery Systems, **2021 MRS-Materials Research Society Fall Meeting & Exhibit (Virtual)**, December 6-8, **2021** (Oral Presentation).

215) Nancy Wang, Asli Celebioglu, Tamer Uyar, Cyclodextrin/Prednisolone Inclusion Complex Nanofibers for Fast-Dissolving Drug Delivery, **2021 MRS-Materials Research Society Fall Meeting & Exhibit (Virtual)**, December 6-8, **2021** (Oral Presentation).

214) Tamer Uyar, "Cyclodextrin Functional Electrospun Nanofibrous Materials for Fast-Dissolving Delivery Systems", **NART 2021 - Nanofibers, Applications and Related Technologies**, Istanbul, TURKEY, September 8-10, **2021**. (Keynote Speaker)

213) Chris Lawson, Emmy Hsiung, Asli Celebioglu, Rimi Chowdhury, Craig Altier, **Tamer Uyar**, "Biodegradable electrospun nanofiber layers for the functionalization of facemask", **American Chemical Society (ACS) National Fall 2021 Meeting & Exposition**, Atlanta, GA, August 22-26, **2021** (Oral Presentation)

212) Emmy Hsiung, Asli Celebioglu, **Tamer Uyar, "**Fast-disintegrating oral drug delivery systems based on pullulan/drug-cyclodextrin inclusion complexes", **American Chemical Society (ACS) National Fall 2021 Meeting & Exposition**, Atlanta, GA, August 22-26, **2021** (Oral Presentation)

211) Asli Celebioglu, **Tamer Uyar,** Fast-dissolving dietary supplement based on nanofibrous webs of curcumin/cyclodextrin inclusion complexes, **American Chemical Society (ACS) National Meeting & Exposition**, **Fall 2021**, Atlanta, GA, August 22-26, **2021** (Oral Presentation)

210) Asli Celebioglu, **Tamer Uyar,** "Cyclodextrin-based nanofibrous materials for fast-dissolving medicinal drugs and dietary supplements", Cornell-UCL (University College London) Symposium on Biomedical Applications of Fibers (Virtual), May 26, 2021 (Keynote Presentation)

209) Deniz Tekant, Asli Celebioglu, **Tamer Uyar,** "Development of Resveratrol/Cyclodextrin Inclusion Complex Nanofibrous Webs for Fast-dissolving Dietary Supplement", **Cornell-UCL (University College London) Symposium on Biomedical Applications of Fibers (Virtual),** May 26, **2021** (Poster Presentation and Oral Presentation) (**Winner of Best Poster**)

208) Nancy Wang, Asli Celebioglu, **Tamer Uyar,** "Electrospun Nanofiber of Cyclodextrin/Prednisolone for Fast-Dissolving Drug Delivery", **Cornell-UCL (University College London) Symposium on Biomedical Applications of Fibers (Virtual),** May 26, **2021** (Poster Presentation)

207) Chris Lawson, Deniz Tekant, Asli Celebioglu and **Tamer Uyar**, "Functionalization of Facemask with Electrospun Nanofibrous Webs", **Cornell-UCL (University College London) Symposium on Biomedical Applications of Fibers (Virtual),** May 26, **2021** (Poster Presentation)

206) Antonio F. Saporito, Asli Celebioglu and **Tamer Uyar**, "Electrohydrodynamic encapsulation of curcumin-cyclodextrin inclusion complexes in nanofibrous webs", **Cornell-UCL (University College London) Symposium on Biomedical Applications of Fibers (Virtual),** May 26, **2021** (Poster Presentation)

205) Emmy Hsiung, Asli Celebioglu, **Tamer Uyar,** "Electrospun Nanofibrous Web of Pullulan/Tetracycline-Cyclodextrin Inclusion Complexes for Fast-Dissolving Oral Drug Delivery", **Cornell-UCL (University College London) Symposium on Biomedical Applications of Fibers (Virtual),** May 26, **2021** (Poster Presentation)

204) Antonio F. Saporito, Asli Celebioglu and **Tamer Uyar**, Curcumin-Cyclodextrin Inclusion Complex Incorporated Chitosan/Pectin Nanofibrous Webs for Drug Delivery Applications, **CURBx-Cornell Undergraduate Research Board, Spring Symposium 2021 (Virtual),** May 4-7, **2021** (Poster Presentation)

203) Chris Lawson, Deniz Tekant, Asli Celebioglu and **Tamer Uyar**, Facemask with Electrospun Nanofibrous Webs, **CURBx-Cornell Undergraduate Research Board, Spring Symposium 2021 (Virtual),** May 4-7, **2021** (Poster Presentation)

202) Emmy Hsiung, Asli Celebioglu, **Tamer Uyar,** Drug/Cyclodextrin Inclusion Complex Functional Pullulan Nanofibers for Fast dissolving Oral Drug Delivery Systems, **CURBx-Cornell Undergraduate Research Board, Spring Symposium 2021 (Virtual),** May 4-7, **2021** (Poster Presentation)

201) Deniz Tekant, Asli Celebioglu, **Tamer Uyar,** Development of resveratrol/cyclodextrin inclusion complex nanofibrous webs for fast-dissolving dietary supplement, **American Chemical Society (ACS) National Meeting & Exposition**, **Spring 2021 (Virtual)**, April 5-30, **2021** (Oral Presentation) (**winner of Second Place Award Undergraduate Research in Polymer Science ACS**)

200) Antonio Saporito, Asli Celebioglu, **Tamer Uyar,** Electrohydrodynamic encapsulation of curcumin-cyclodextrin inclusion complexes in chitosan/pectin nanofibrous webs, **American Chemical Society (ACS) National Meeting & Exposition**, **Spring 2021 (Virtual)**, April 5-30, **2021** (Oral Presentation)

199) Asli Celebioglu, **Tamer Uyar,** Ibuprofen/cyclodextrin inclusion complex nanofibers for fast dissolving oral drug delivery system, **American Chemical Society (ACS) National Meeting & Exposition**, **Spring 2021 (Virtual)**, April 5-30, **2021** (Oral Presentation)

198) Zeynep Aytac, Semran Ipek, Ismail Erol, Engin Durgun, **Tamer Uyar**, "Electrospun gelatin nanofibers encapsulating ciprofloxacin/cyclodextrin inclusion complex as a fast-dissolving drug delivery system" **258th American Chemical Society (ACS) National Meeting & Exposition**, San Diego, California, USA, August 24-29, **2019**. (Oral Presentation)

197) Ozlem Coban, Zeynep Aytac, Zehra Irem Yildiz, Tamer Uyar, "pH-dependent Release of Niclosamide Loaded Eudragit Nanofibers for Colon Targeting: Formulation Development and In Vitro Characterization Studies", **EUFEPS -2019 Annual Meeting, The European Federation for Pharmaceutical Sciences**, March 6-8, 2019, Frankfurt, Germany, (Flash Presentation and Poster Presentation)

196) Zehra İrem YILDIZ, Fuat TOPUZ, Bhushan PATİL, Mehmet Emin KİLİC, Engin DURGUN, **Tamer UYAR**, "Antioxidant carotenoids-cylodextrin inclusion complex nanofibers via electrospinning", **ITTC7- 7th International Technical Textiles Congress**, October 10-12, **2018**, Cesme/Izmir/TURKEY (Oral Presentation)

195) Zehra İrem YILDIZ, Fuat TOPUZ, Bhushan PATİL, Mehmet Emin KİLİC, Engin DURGUN, **Tamer UYAR**, "Electrospinning of Nanofibers from β-carotene/Cyclodextrin Inclusion Complexes", **NanoTR-14, National Nanoscience & Nanotechnology Conference**, Cesme/Izmir/Turkey, 22-25 September, **2018** (Oral Presentation)

194) Zehra İrem YILDIZ, Fuat TOPUZ, Bhushan PATİL, Mehmet Emin KİLİC, Engin DURGUN, **Tamer UYAR**, "Fabrication of Electrospun Lycopene/Cyclodextrin-Inclusion Complex Nanofibers",

NanoTR-14, National Nanoscience & Nanotechnology Conference, Cesme/Izmir/Turkey, 22-25 September, **2018** (Poster Presentation)

193) Kugalur Shanmugam Ranjith, Asli Celebioglu, Hamit Eren, Necmi Biyikli, **Tamer Uyar**, "Atomic Layer Deposition (ALD) of Metal Nanoparticles onto Free-standing and Flexible Electrospun Polymeric Nanofibrous Webs for Catalytic Application", **PPM 2017- The International Porous and Powder Materials Symposium and Exhibition,** September 12-15, **2017**, Kusadasi, Turkey (Oral Presentation)

192) M.Aref Khalily, Serdar Akbayrak, Ali Haider, Aykutlu Dana, Saim Ozkar and **Tamer Uyar*** "Atomic Layer Deposition of Monodisperse Ruthenium Nanoparticles on Electrospun Carbon Nanofibers for Catalysis" **NanoTR-13, National Nanoscience & Nanotechnology Conference**, Antalya, Turkey, 22-25 October, **2017** (Oral Presentation)

191) Aslı Çelebioğlu, Kugalur Shanmugam Ranjith, Hamit Eren, Necmi Biyikli, **Tamer Uyar*** "Surface Functionalization of Polymeric Nanofibrous Membranes by Atomic Layer Deposition (ALD) of Metal Nanoparticles (Polimerik Nanolif Membranların Atomik Katman Biriktirme (ALD) ile Metal Nanoparçacıklarla Fonksiyonlaştırılması)" **MEMTEK 2017- 5th National Membrane Technologies and Applications Symposium**, 21-23 September **2017**, Istanbul, Turkey (Oral Presentation)

190) Kugalur Shanmugam Ranjith, Asli Celebioglu, Hamit Eren, Necmi Biyikli, **Tamer Uyar**, " Pd-Ag Bimetallic Nanograin-Decorated Nylon Nanofibers: Efficient Catalytic Reduction of 4-Nitrophenol", **ALD 2017- AVS 17th International Conference on Atomic Layer Deposition**, July 15- 18, **2017**, Denver, Colorado, USA (Oral Presentation)

189) Kugalur Shanmugam Ranjith, Asli Celebioglu, Hamit Eren, Necmi Biyikli, **Tamer Uyar**, "Monodispersed, Highly Interactive Facet Oriented Pd Nanograins Grown by ALD onto Electrospun Polymeric Nanofibers", ALD 2017- AVS 17th International Conference on Atomic Layer Deposition, July 15- 18, **2017**, Denver, Colorado, USA (Poster Presentation)

188) Kugalur Shanmugam Ranjith, Aslı Çelebioğlu, Hamit Eren, Necmi Biyikli, **Tamer Uyar*** "Surface Decoration of Metal Nanoparticles onto Polymeric Nanofibers for Catalytic Applications (Polimerik Nanoliflerin Metal Nanoparçacıklarla Yüzey Dekorasyonu ve Katalizör Uygulamaları)" **6th Physical Chemistry Congress**, Zonguldak, Turkey, 15-18 May, **2017** (Invited Talk)

187) Osman Arslan, Fuat Topuz, Hamit Eren, Necmi Biyikli, **Tamer Uyar*** "Combination of ALD and Electrospinning of Fibers and their Nanomaterials Applications (ALD Tekniğinin Elektrospin İle Üretilen Fiberler İle Kombinasyonu ve Nanomalzeme Uygulamaları)" **6th Physical Chemistry Congress**, Zonguldak, Turkey, 15-18 May, **2017** (Oral Presentation)

186) N. Biyikli, S. Kizir, A. Haider, **T. Uyar** "Flexible Core-Shell InN and GaN Nanofibers for Highly Sensitive Gas Sensing Applications", **2016 MRS Fall Meeting**, Nov 27-Dec 2, 2016, Boston, Massachusetts, **2016** (Oral Presentation)

185) N. Biyikli, A. Haider, S. Kizir, P. Deminskyi, M. Yilmaz, S. Bolat, A. Celebioglu, A. K. Okyay, **T. Uyar**, S. Altuntas, F. Buyukserin, "Low-Temperature PA-ALD Growth Technology for Group III-Nitride Nano-heterostructures and Their (Opto)Electronic Device Applications", **American Vacuum Society-AVS 63rd International Symposium and Exhibition**, Nashville, TN, 6-11 November, **2016** (Invited Talk)

184) **Tamer Uyar*** "Electrospinning of Functional Nanofibers and Their Applications" **National Polymer Science & Technology Conference**, Ankara, Turkey, Sept 04-07, 2016 (Invited Talk)

183) **Tamer Uyar*** "Electrospinning of Functional Nanofibers and Their Applications" **28th National Chemistry Congress**, Mersin, Turkey, August 15-21, 2016 (Invited Talk)

182) Seda Kizir, Aslı Celebioglu, Ali Haider, Piter Deminskyi, **Tamer Uyar**, Necmi Biyikli, "Photocatalytic activity of flexible core/shell nylon/III-nitride nanofibers fabricated via electrospinning and low-temperature plasma-assisted atomic layer deposition", **16th International Conference on Atomic Layer Deposition (ALD 2016)**, Dublin, Ireland, 24-27 July, **2016** (Oral Presentation)

181) Hamit Eren, Asli Celebioglu, **Tamer Uyar**, Necmi Biyikli, "Catalytic applications of platinum nanoparticle-decorated electrospun nanofibers by atomic layer deposition", **16th International Conference on Atomic Layer Deposition (ALD 2016)**, Dublin, Ireland, 24-27 July, **2016** (Oral Presentation)

180) Omer Faruk Sarioglu, N. Oya San Keskin, Asli Celebioglu, Turgay Tekinay, **Tamer Uyar** " Bacteria encapsulated/immobilized electrospun polymeric nanofibrous webs for wastewater treatment", **MACRO 2016-46th IUPAC World Polymer Congress**, Istanbul, Turkey, 17-21 July **2016** (Invited Talk)

179) Ali Demirci, **Tamer Uyar**, Tokuji Miyahista, Masaya Mitsuishi" Controlled Synthesis of Silsesquioxane Based Hybrid Copolymers for Nanostructured Spheres and Fibers", **MACRO 2016-46th IUPAC World Polymer Congress**, Istanbul, Turkey, 17-21 July **2016** (Oral Presentation)

178) S. Bayir, M. Gorur, E. Doganci, **T. Uyar**, F. Yilmaz, " Highly fluorescent porphyrin-functional styrene copolymer nanofibers" **MACRO 2016-46th IUPAC World Polymer Congress**, , Istanbul, Turkey, 17-21 July **2016** (Poster Presentation)

177) Asli Celebioglu, Zehra Irem Yildiz and **Tamer Uyar*** "Molecular Filtration Performance of Electrospun Poly-Cyclodextrin Nanofibers" **18th International Cyclodextrin Symposium 2016,** Gainesville, Florida USA, 18-21 May, **2016** (Oral Presentation)

176) Asli Celebioglu and **Tamer Uyar***. "Optimization Study on Electrospinning of Insoluble Poly-Cyclodextrin Nanofibers" **18th International Cyclodextrin Symposium 2016,** Gainesville, Florida USA, 18-21 May, **2016** (Oral Presentation).

175) Zehra Irem Yildiz, Asli Celebioglu, **Tamer Uyar*** "Electrospinning of Polymer Free Nanofiber by Cyclodextrin Inclusion Complexes of Menthol: Their Formation, Characterization and Enhanced Properties" **18th International Cyclodextrin Symposium 2016,** Gainesville, Florida USA, 18-21 May, **2016** (Oral Presentation)

174) Yelda Ertas, Asli Celebioglu and **Tamer Uyar*** "Water-insoluable Cross-linked Cyclodextrin/Polybenzoxazine CompositeNanofibers by Electrospinning for Waste Water Treatment" **18th International Cyclodextrin Symposium 2016,** Gainesville, Florida USA, 18-21 May, **2016** (Oral Presentation).

173) Zeynep Aytac, Nalan Oya San Keskin, Semran Ipek Kusku, Turgay Tekinay, Engin Durgun, **Tamer Uyar*** "Efficient Encapsulation of Active Agents in Electrospun Polymeric Nanofibers by Cyclodextrin Inclusion Complexation" **18th International Cyclodextrin Symposium 2016,** Gainesville, Florida USA, 18-21 May, **2016** (Oral Presentation).

172) Zeynep Aytac, Zehra Irem Yildiz, Fatma Kayaci, Nalan Oya San, Turgay Tekinay, **Tamer Uyar***, "Electrospinning of polymer-free cyclodextrin/geraniol-inclusion complex nanofibers: enhanced shelf-life of geraniol with antibacterial and antioxidant properties" **18th International Cyclodextrin Symposium 2016,** Gainesville, Florida USA, 18-21 May, **2016** (Poster Presentation).

171) Caner Vural, Tuğba Topbaş, Aslı Çelebioğlu, Turgay Tekinay, **Tamer Uyar**, " Pseudomonas alkylphenolia PT4 ile immobilize elektrospun nanofiberlerin p-toluik asit biyoparçalanma kinetiğine etkisi" **18. National Biotechnology Conference**, 18-19 Aralik **2015**, Konya, Turkey (Poster Presentation)

170) Omer Faruk Sarioglu, N. Oya San Keskin, Asli Celebioglu, Turgay Tekinay, **Tamer Uyar** "Reusable bio-integrated electrospun fibrous webs for water cleaning purposes", **Electrospinning: Principles, Practice and Possibilities**, 3-4 December 2015, London, UK. **2015** (Oral Presentation)

169) Nalan Oya San, Aslı Celebioglu, Yasin Tümtaş, Tamer Uyar and Turgay Tekinay "Reusable Bacteria Immobilized Electrospun Nanofibrous Web for Decolorization of Methylene Blue Dye in Wastewater Treatment" **BioMicroWorld2015 - VI International Conference on Environmental, Industrial and Applied Microbiology**, Barcelona, Spain, 28-30 October **2015** (Oral Presentation)

168) Asli Celebioglu and **Tamer Uyar**, "Electrospinning of Insoluble Poly-Cyclodextrin Nanofibers", **EuroCD2015 - 4th European Conference on Cyclodextrins,** Lille, France, October 6-9, **2015** (Poster Presentation)

167) Fatma Kayaci, Zeynep Aytac, Z.Irem Gurbuz, **Tamer Uyar**, "Electrospun Nanofibers from Flavor/Fragrance-Cyclodextrin-Inclusion Complexes", **EuroCD2015 - 4th European Conference on Cyclodextrins**, Lille, Fransa, October 6-9, **2015** (Oral Presentation)

166) Asli Celebioglu, Nalan Oya San Keskin, Turgay Tekinay, **Tamer Uyar,** "Antibacterial and Antioxidant Electrospun Nanofibers based on Cyclodextrin Inclusion Complexes of Essential Oils" **5th International Istanbul Textile Congress 2015: Innovative Technologies "Inspire to Innovate"**, Istanbul Technical University, Istanbul, Turkey, 11-12 September 2015 . (Oral Presentation).

165) **Tamer Uyar,** "Functional Nanofibers via Electrospinning and Their Applications" **5th International Istanbul Textile Congress 2015: Innovative Technologies "Inspire to Innovate"**, Istanbul Technical University, Istanbul, Turkey, 11-12 September **2015**. (Plenary Talk).

164) Zeynep Aytac, Nalan Oya San Keskin, Turgay Tekinay and **Tamer Uyar**, "Thymol/γ-CD-IC Incorporated Zein Nanofibers: Controlled Release, Antibacterial and Antioxidant Properties", **International Workshop-COST Action MP1206 "Electrospun Nano-and Microfibres for Biomedical Applications Conference**", Eszterházy Károly College, Eger, Hungary, August 31-Septemeber 3, 2015 (Oral Presentation).

163) Asli Celebioglu, Zeynep Aytac, N. Oya S. Keskin and **Tamer Uyar**, "Electrospinning of Cyclodextrin Nanofibers Incorporating Metal Nanoparticles (Au-NP, Ag-NP and Pd-NP): A Greener and One-step Approach", **Nanofibers, Applications and Related Technologies (NART-2015),** Liberec, CZECH REPUBLIC, August 31- September 2, 2015 (Oral Presentation).

162) Yelda Ertas, **Tamer Uyar**, "Electrospinning of High Temperature Stable and Solvent-Resistive Thermoset Nanofibers based on Polybenzoxazines", **Nanofibers, Applications and Related Technologies (NART-2015),** Liberec, CZECH REPUBLIC, August 31- September 2, 2015 (Oral Presentation).

161) Fatma Kayaci, Sesha Vempati, Cagla Ozgit-Akgun, Inci Donmez, Asli Celebioglu, Ali Haider, Necmi Biyikli and **Tamer Uyar**, " Core-shell nanofibers and hollow nanofibers: Combination of Electrospinning and Atomic Layer Deposition (ALD)", **Nanofibers, Applications and Related Technologies (NART-2015),** Liberec, CZECH REPUBLIC, August 31- September 2, 2015 (Oral Presentation).

160) Sümeyra BAYIR, Aslı ÇELEBİOĞLU, Mesut GÖRÜR, Erdinç DOĞANCI, **Tamer UYAR**, Faruk YILMAZ, "DANSİL YAN GRUPLARINA SAHİP STİREN POLİMERLERİNİN SENTEZİ VE ELEKTROEĞİRİLMİŞ NANOFİBERLERİNİN ÜRETİLMESİ" **27th National Chemistry Congress**, ÇANAKKALE, TURKIYE, 23-28 Ağustos **2015** (Poster Presentation)

159) Okan GÜNAYDIN, Mesut GÖRÜR, Faruk YILMAZ, **Tamer UYAR**, " FERROSEN-FONKSİYONEL STİREN POLİMERLERİNİN SENTEZİ, KARAKTERİZASYONU VE

ELEKTROEĞİRİLMİŞ NANOLİFLERİNİN ÜRETİLMESİ" **27th National Chemistry Congress**, ÇANAKKALE, TURKIYE, 23-28 Ağustos **2015** (Poster Presentation)

158) Yelda Ertas, **Tamer Uyar**, "Cross-Linked Main-Chain Polybenzoxazine Nanofibers by Electrospinning" **250th American Chemical Society (ACS) National Meeting & Exposition**, Boston, Massachusetts, USA, August 16-20, 2015. (Oral Presentation)

157) Nalan O. San, Omer F. Sarioglu, Asli Celebioglu, Turgay Tekinay, **Tamer Uyar**, "Reusable bacteria immobilized electrospun nanofibrous webs for wastewater treatment" **250th American Chemical Society (ACS) National Meeting & Exposition**, Boston, Massachusetts, USA, August 16-20, 2015. (Oral Presentation)

156) Necmi Biyikli, Cagla Ozgit-Akgun, Hamit Eren, Ali Haider, Seda Kizir, **Tamer Uyar**, Sesha Vempati, Fatma Kayaci, Asli Celebioglu, Mustafa Ozgur Guler, Ruslan Garifullin, Ali K. Okyay, Gamze M. Ulusoy, and Eda Goldenberg, "Template-assisted synthesis of III-nitride and metal-oxide nanoheterostructures using low-temperature atomic layer deposition for energy, sensing, and catalysis applications", **SPIE Optics + Photonics 2015**, 9 – 13 August, San Diego, CA, USA (2015) (Invited Talk).

155) A. Celebioglu, S. Vempati, C. Ozgit-Akgun, N. Biyikli, and **T. Uyar**, "Water-Soluble Non-Polymeric Electrospun Cyclodextrin Nanofiber Template for the Synthesis of Metal Oxide Tubes by Atomic Layer Deposition", **15th International Conference on Atomic Layer Deposition (ALD 2015)**, Portland, OR, 28 June – 2 July (2015) (Poster Presentation).

154) F. Kayaci, S. Vempati, C. Ozgit-Akgun, I. Donmez, N. Biyikli, and **T. Uyar**, "Photocatalytic Activities of Polymer-ZnO Core-Shell and ZnO Hollow Electrospun Nanofibers", **15th International Conference on Atomic Layer Deposition (ALD 2015)**, Portland, OR, 28 June – 2 July (2015) (Poster Presentation).

153) F. Yilmaz, O. Gunaydin, A. Celebioglu, S. Bayir, M. Gorur, E. Doganci, **T. Uyar**, "Synthesis, characterization, and electrospinning of nanofibers from fullerene C60 functional styrene polymer" **European Polymer Federation Congress 2015 (EPF 2015)**, Dresden, Germany, 21-26 June **2015** (Poster Presentation).

152) A. Senthamizhan, A. Celebioglu, S. Bayir, M. Gorur, E. Doganci, **T. Uyar**, F. Yilmaz, " Production and TNT sensing application of polystyrene nanofibers containing fluorescent functional groups" **European Polymer Federation Congress 2015 (EPF 2015)**, Dresden, Germany, 21-26 June **2015** (Poster Presentation).

151) Aslı Çelebioğlu, Fatma Kayacı, **Tamer Uyar*** "Cyclodextrin Inclusion Complex Nanofibers via Electrospinning" **5th Physical Chemistry Congress**, Konya, Turkey, 16-19 May, **2015** (Oral Presentation)

150) Necmi Biyikli, Cagla Ozgit-Akgun, Hamit Eren, Ali Haider, **Tamer Uyar**, Fatma Kayaci, Mustafa Ozgur Guler, Ruslan Garifullin, Ali K. Okyay, Gamze M. Ulusoy, and Eda Goldenberg, "Atomic Layer Deposition: An Enabling Technology for the Growth of Functional Nanoscale Semiconductors", **International Semiconductor Science and Technology Conference (ISSTC-2015)**, Aydin, Turkey, 11 – 13 May (2015) (Invited Talk).

149) *Yelda Ertas and* ***Tamer Uyar***, "Polybenzoxazine Based Nanofibers for the Production of Composite Materials"**, 4th Polymeric Composite Symposium, Exhibition and Brokerage Event,** 7-9 May 2015, Çeşme, İzmir (Oral Presentation)

148) Necmi Biyikli, Cagla Ozgit-Akgun, Inci Donmez, Eda Goldenberg, Hamit Eren, Ali Haider, Seda Kizir, Fatma Kayaci, Asli Celebioglu, Sesha Vempati, **Tamer Uyar**, Ruslan Garifullin, M. O. Guler, Gamze M. Ulusoy, and Ali Kemal Okyay, "Template-assisted synthesis of III-nitride and

metal-oxide nano-heterostructures using low-temperature atomic layer deposition", **SPIE Microtechnologies**, Barcelona, Spain, May 4-6 (**2015**) (Oral Presentation).

147) Necmi Biyikli, Cagla Ozgit-Akgun, Eda Goldenberg, Ali Haider, Seda Kizir, **Tamer Uyar**, Sami Bolat, Burak Tekcan, and Ali Kemal Okyay, "Hollow-cathode plasma-assisted atomic layer deposition: a novel route for low-temperature synthesis of crystalline III-nitride thin films and nanostructures", **IEEE 35th International Conference on Electronics and Nanotechnology (IEEE-ELNANO)**, Kyiv, Ukraine, April 21-24 (**2015**) (Invited Talk).

146) Zeynep Aytac, Asli Celebioglu, Fatma Kayaci, **Tamer Uyar** "Efficient Encapsulation of Volatile Active Compounds in Electrospun Nanofibers by Cyclodextrin Inclusion Complexation" at **International Workshop-COST Action MP1206, "Applications of Electrospinning in Composite, Nanofabrication, Food, Food Packaging, Pharma and Controlled Release"**, University of Novi Sad, Novi Sad, Serbia, March 25-27, **2015** (Opening Talk, Oral Presentation)

145) Serkan Demirci, Asli Celebioglu, Zeynep Aytac and **Tamer Uyar**, "pH-Responsive Nanofibers with Controlled Drug Release Properties" **International Workshop-COST Action MP1206 "Biomedical Electrospun Nanofibers and Applications (BEMA)**, University of Haute-Alsace, Mulhouse, France, December 16-18, **2014**. (Oral Presentation)

144) Zeynep Aytac, **Tamer Uyar**, "Drug/Cyclodextrin-Inclusion Complex Incorporated Electrospun Nanofibers" **International Workshop-COST Action MP1206 "Biomedical Electrospun Nanofibers and Applications (BEMA)**, University of Haute-Alsace, Mulhouse, France, December 16-18, **2014**. (Oral Presentation)

143) Necmi Biyikli, Ali Haider, Cagla Ozgit-Akgun, Fatma Kayaci, Sesha Vempati, Ali K. Okyay, and **Tamer Uyar**, "Core-Shell and Hollow III-Nitride/Metal-Oxide Nanofiber Networks Fabricated via Electrospun Templated Atomic Layer Deposition and Their Application in Photocatalysis", **MRS Fall Meeting**, Boston, MA, November 30 – December 5 (**2014**). (Poster Presentation)

142) Sesha Vempati, Fatma Kayaci, Cagla Ozgit-Akgun, Inci Donmez, Necmi Biyikli and **Tamer Uyar** "Core–shell structured ZnO–TiO2 and TiO2–ZnO nanofibers via electrospinning and atomic layer deposition", **E-MRS 2014 Fall Meeting**, September 15-18, **2014**,Warsaw University of Technology, Poland (Oral Presentation)

141) M. Fatih Canbolat, Fatma Gul Maras, **Tamer Uyar** "Alpha-Amylase Immobilization Efficiency in PCL Electrospun Nanofibers", **E-MRS 2014 Fall Meeting**, September 15-18, **2014**, Warsaw University of Technology, Poland (Oral Presentation)

140) **Tamer Uyar** "COST Action MP1206- Electrospun Nano-Fibres for Bio Inspired Composite Materials and Innovative Industrial Applications", **E-MRS 2014 Fall Meeting**, September 15-18, **2014**, Warsaw University of Technology, Poland (Oral Presentation)

139) Fatma Kayaci, Sesha Vempati, Cagla Ozgit-Akgun, Inci Donmez, Necmi Biyikli and **Tamer Uyar** " Surface Functionalization of Electrospun Polymeric Nanofibers by Atomic Layer Deposition (ALD)", **E-MRS 2014 Fall Meeting**, September 15-18, **2014**, Warsaw University of Technology, Poland (Oral Presentation)

138) **Tamer Uyar**, Asli Celebioglu, Fatma Kayaci, "Electrospinning of Non-Polymeric Systems: Green and Polymer-free Electrospun Nanofibers from Cyclodextrins and Cyclodextrin Inclusion Complexes" ***Electrospin 2014-3rd International Conference on Electrospinning,*** San Francisco, USA, August 4-7, **2014** (Oral Presentation)

137) Yelda Ertas and **Tamer Uyar**, "Main-Chain Polybenzoxazine Nanofiber via Electrospinning" **5th International Conference on Advanced Nanomaterials**, 2-4 July **2014**, Aveiro, Portugal. (Oral Presentation)

136) Ali Haider, Cagla Ozgit-Akgun, Fatma Kayaci, Asli Celebioglu, **Tamer Uyar**, Ali Kemal Okyay, and Necmi Biyikli, "Synthesis of BN/AlN Core-Shell Hollow Nanofibers by Electrospinning and Hollow Cathode Plasma Assisted Atomic Layer Deposition", **14th International Conference on Atomic Layer Deposition (ALD 2014)**, Kyoto, Japan, 15 – 18 June (**2014**). (Poster Presentation)

135) **Tamer Uyar*** "Functional Nanofibers via Electrospinning" **4th Physical Chemistry Congress**, Pamukkale, Denizli, Turkey, 5-8 June, **2014** (Plenary Talk)

134) Asli Celebioglu, **Tamer Uyar**, "Nanofibers made of Cyclodextrins and Cyclodextrin Inclusion Complexes via Electrospinning" ***17th International Cyclodextrin Symposium****, Saarland University, Saarbrücken, Germany, May 29-31,* **2014** (Oral Presentation)

133) Cagla Ozgit-Akgun, Fatma Kayaci, Sami Bolat, Burak Tekcan, Ali Kemal Okyay, **Tamer Uyar**, and Necmi Biyikli, "Low-Temperature Hollow Cathode Plasma-Assisted Atomic Layer Deposition of Nanocrystalline III-Nitride Thin Films and Nanostructures", **MRS – 5th International Symposium on Growth of III-Nitrides**, Atlanta, GA, May 18 – 22 (**2014**). (Poster Presentation)

132) Anitha Senthamizhan, Asli Celebioglu, **Tamer Uyar** "Electrospun nanofibrous membrane embedded fluorescence gold nanocluster for TNT and Hg2+ sensing", **International Workshop-COST Action MP1206, First International Workshop on Electrospinning for High Performance Sensing (EHPS)**, Rome, Italy, 29-30 April, **2014.** (Oral presentation)

131) Fatma Kayaci, Sesha Vempati, Cagla Ozgit-Akgun, Necmi Biyikli and **Tamer Uyar** "ZnO Nanostructures on Electrospun Nanofibers by Atomic Layer Deposition/Hydrothermal Growth and Their Photocatalytic Activity" **2014 Materials Research Society (MRS) Spring Meeting & Exhibit**, San Francisco, CA, USA, April 21-25, **2014**. (Oral presentation)

130) Tamer Uyar, "Electrospinning of nanofibers from non- polymeric systems: Cyclodextrin nanofibers, **POLYMAR 2013**, Barcelona, Spain, November 4-7, **2013**. (Oral Presentation)

129) A. Celebioglu, **T. Uyar**, "Green and One-step Synthesis of Metal Nanoparticles Incorporated in Electrospun Cyclodextrin Based Nanofibers" **POLYMAR 2013**, Barcelona, Spain, November 4-7, **2013**. (Oral Presentation)

128) F. Kayaci, **T. Uyar** "Electrospun Nanofibers Incorporating Cyclodextrin Inclusion Complexes of Bioactive Compounds for Food Packaging" **POLYMAR 2013**, Barcelona, Spain, November 4-7, **2013**. (Oral Presentation)

127) Z. Aytac, T. Uyar, "Electrospun Nanofibrous Webs Incorporating Antioxidants For Food Packaging, **POLYMAR 2013**, Barcelona, Spain, November 4-7, **2013**. (Oral Presentation)

126) A. Celebioglu, F. Kayaci, Z. Aytac and **T. Uyar** " Cyclodextrin Nanofibers: Challenges and Opportunities" **3rd European Conference on Cyclodextrins**, Antalya, Turkey, October 2-4, 2013. (Invited Talk)

125) F. Kayaci, O.C.O Umu, T. Tekinay and **T. Uyar** "Antibacterial Electrospun Polylactic acid (PLA) Nanofibers Including Triclosan/Cyclodextrin Inclusion Complexes" **3rd European Conference on Cyclodextrins**, Antalya, Turkey, October 2-4, **2013**. (Poster Presentation)

124) F. Kayaci, Z. Aytac and **T. Uyar** "Surface Modified Electrospun Nanofibers with Cyclodextrin Polymer for Water Purification" **3rd European Conference on Cyclodextrins**, Antalya, Turkey, October 2-4, **2013**. (Poster Presentation)

123) A. Celebioglu and **T. Uyar** "Electrospun Polymer-free Nanofibers from Native Cyclodextrins" **3rd European Conference on Cyclodextrins**, Antalya, Turkey, October 2-4, **2013**. (Poster Presentation)

122) A. Celebioglu, S. Demirci and **T. Uyar** "Functionalization of Cellulose Acetate Nanofibers with Cyclodextrins by Using "Click" Chemistry" **3rd European Conference on Cyclodextrins**, Antalya, Turkey, October 2-4, **2013**. (Poster Presentation)

121) Z. Aytaç and **T. Uyar** "Electrospun Polylactic Acid Nanofibers Incorporating Gallic Acid Inclusion Complex" **3rd European Conference on Cyclodextrins**, Antalya, Turkey, October 2-4, 2013. (Poster Presentation)

120) Y. Ertas and **T. Uyar** "Molecular Filtration Performance of Benzoxazine/Cyclodextrin-Inclusion Complexes after Curing" **3rd European Conference on Cyclodextrins**, Antalya, Turkey, October 2-4, 2013. (Poster Presentation)

119) Asli Celebioglu, **Tamer Uyar**, "Electrospinning of non-polymeric systems: Challenges and Possibilities" **International Workshop-COST Action MP1206 "Safe and efficient formulations for Electrospinning (SAEFE)"**, University of Bayreuth, Bayreuth, Germany, September 18, 2013 (Plenary Talk)

118) Fatma Kayaci, Asli Celebioglu, Zeynep Aytac, Serkan Demirci, **Tamer Uyar**, "Electrospinning of Nanofibrous Membranes for Molecular Filtration" **PPM 2013 - International Porous and Powder Materials Symposium and Exhibition,** Cesme, Izmir, Turkey, September 03-06, **2013** (Oral Presentation)

117) Fatma Kayaci, Cagla Ozgit-Akgun, Necmi Biyikli and **Tamer Uyar**, "Surface-Decoration of Zinc Oxide (ZnO) Nanoparticles or Nanocoatings onto Electrospun Polymeric Nanofibrous Membranes by Atomic Layer Deposition" **PPM 2013 - International Porous and Powder Materials Symposium and Exhibition,** Cesme, Izmir, Turkey, September 03-06, **2013** (Poster Presentation)

116) Ömer Faruk Sarıoğlu, Öncay Yaşa, Aslı Çelebioğlu, Turgay Tekinay and **Tamer Uyar**, "Efficient ammonium removal from aquatic environments by Acinetobacter calcoaceticus STB1 immobilized on an electrospun cellulose acetate nanofibrous web" **PPM 2013 - International Porous and Powder Materials Symposium and Exhibition,** Cesme, Izmir, Turkey, September 03-06, **2013** (Poster Presentation)

115) **Tamer Uyar**, Fatma Kayacı, Asli Celebioglu, Zeynep Aytac, Serkan Demirci, Fatih Canbolat, "Functionalization of Electrospun Polymeric Nanofibers " **APME 2013 - IUPAC 10th International Conference on Advanced Polymers via Macromolecular Engineering,** Durham, UK, August 18-22, **2013** (Oral Presentation)

114) S. Demirci Uzun, F. Kayaci, N. Akbasoglu Unlu, F. Ekiz, **T. Uyar**, S. Timur, L. Toppare, "Surface Modification of Electrospun Nanofibers for Biomolecule Immobilization and Glucose Sensing Applications**" IUPAC 2013 - 44th World Chemistry Congress,** Istanbul, Turkey, 11 - 16 August, **2013**,

113) Fatma Kayaci, Aslı Celebioglu, Zeynep Aytac, Serkan Demirci, **Tamer Uyar**, "Electrospinning of functional nanofibers/nanowebs" **EPF2013 - European Polymer Congress**, Pisa, Italy, June 16-21, **2013** (Poster Presentation)

112) S. Demirci, A. Celebioglu, **T. Uyar**, "Functional electrospun nanofibers via surface-initiated RAFT polymerization" **EPF2013 - European Polymer Congress**, Pisa, Italy, June 16-21, **2013** (Poster Presentation)

111) *Aslı Çelebioğlu, Fatma Kayacı, Zeynep Aytaç and **Tamer Uyar**** "Functionalization of Electrospun Nanofibers by the Incorporation of Supramolecular Structure" **NanoTR-9, National Nanoscience & Nanotechnology Conference**, Erzurum, Turkey, 24-28 June, **2013** (Oral Presentation)

110) *Fatma Kayaci, Cagla Ozgit-Akgun, Necmi Biyikli and **Tamer Uyar**** "Preparation of Polymer-ZnO Electrospun Nanofibrous Composites by Using Atomic Layer Deposition and Their Photocatalytic Activity" **NanoTR-9, National Nanoscience & Nanotechnology Conference**, Erzurum, Turkey, 24-28 June, **2013** (Poster Presentation) **(awarded as Best Poster Prize)**

109) *Zeynep Aytaç and **Tamer Uyar**** "Electrospun polyacrylic acid nanofibers incorporating cyclodextrin inclusion complex of quercetin" **NanoTR-9, National Nanoscience & Nanotechnology Conference**, Erzurum, Turkey, 24-28 June, **2013** (Poster Presentation)

108) *Aslı Çelebioğlu and **Tamer Uyar**** "The Green and One-step Synthesis of Gold Nanoparticles (Au-NP) Incorporated in Electrospun Cyclodextrin (CD) Nanofibers" **NanoTR-9, National Nanoscience & Nanotechnology Conference**, Erzurum, Turkey, 24-28 June, **2013** (Poster Presentation)

107) A. Celebioglu, S. Kinali-Demirci, S. Demirci, O.C.O. Umu, T. Tekinay, **T. Uyar**, "Electrospun nanofibers containing cyclodextrin inclusion complex and its antibacterial activity" **EPF2013 - European Polymer Congress**, Pisa, Italy, June 16-21, **2013** (Oral Presentation)

106) Aslı Celebioglu, Fatma Kayaci, Zeynep Aytac, **Tamer Uyar**, "Functionalization of Electrospun Nanofibers with Cyclodextrins" **International Istanbul Textile Congress 2013 - Innovative and Functional Textiles,** Istanbul, Turkey, May 30-June 1, **2013** (Oral Presentation)

105) Fatma Kayacı, Zeynep Aytaç, Aslı Celebioglu, **Tamer Uyar**, "Encapsulation of Active Agents in Electrospun Nanofibers/Nanowebs" ***The Fiber Society 2013 Spring Conference,*** Geelong, Australia, May 22-24, **2013** (Oral Presentation)

104) Fatma Kayaci, Zeynep Aytac, Aslı Celebioglu, **Tamer Uyar**, " Incorporation of Active Agents in Electrospun Nanofibers for Food Packaging Application " **International Workshop of COST Action FA0904 on " Electrospinning Nanofibres and Food Packaging-Status and outlook into an emerging technology "**, Valencia, Spain, April 29, **2013.** (Oral Presentation)

103) Necmi Biyikli, Cagla Ozgit-Akgun, Inci Donmez, Mehmet Alican Noyan, Ali Haider, Fatma Kayaci, Hakan Ceylan, Fatih Genisel, Feyza Bozkurt-Oruc, Deniz Kocaay, Fatih Bayansal, Mustafa Ozgur Guler, **Tamer Uyar**, Ali Kemal Okyay, and Aykutlu Dana, "Atomic Layer Deposition: Opportunities and Challenges for Functional Thin-film Coatings & Template-based Nanostructures", **3rd International Advances in Applied Physics and Materials Science Congress (APMAS)**, Antalya, Turkey 24-28 April, **2013**. (Invited Talk)

102) Fatma Kayaci, Aslı Celebioglu, Zeynep Aytac, **Tamer Uyar**, "Electrospun Nanofibrous Webs and Their Potential Application in Food Packaging" **International Workshop of COST Action FA0904 on "Development of new safe polymer nanomaterials for food packaging (PNFP) and Development of strategies to identify any critical interaction of PNFP with food"**, Zurich, Switzerland, March 21-22, **2013**. (Oral Presentation)

101) Fatma Kayaci, Cagla Ozgit-Akgun, Inci Donmez, Necmi Biyikli and **Tamer Uyar**, "Surface-Decoration of Inorganic Nanoparticles and Nanocoatings on Electrospun Polymeric Nanofibers by Atomic Layer Deposition (ALD)" **International Workshop of COST Action FA0904 on Development of new safe polymer nanomaterials for food packaging"**, Prague, Czech Republic, February 7-8, **2013** (Oral Presentation)

100) Aslı Çelebioğlu, Fatma Kayacı, Zeynep Aytaç, Yelda Ertaş, **Tamer Uyar**, "Electrospun Nanofibers Functionalized with Cyclodextrins and Their Potential Applications" ***The Fiber Society 2012 Fall Conference,*** Boston, Massachusetts, USA, Nov 07-09, **2012** (Oral Presentation)

99) ***Tamer Uyar,*** *Asli Celebioglu, Fatma Kayacı, Zeynep Aytac*, *Yelda Ertas* "Cyclodextrin Functionalized Nanofibers " **26th** ***National Chemistry Congress***, Olu Deniz-Fethiye, Turkey, Oct 01-06, **2012** (Oral Presentation)

98) *Asli Celebioglu and* ***Tamer Uyar***, "Cyclodextrin Inclusion Complex Nanofibers via Electrospinning" **26th** ***National Chemistry Congress***, Olu Deniz-Fethiye, Turkey, Oct 01-06, **2012** (Poster Presentation)

97) *Fatma Kayacı and* ***Tamer Uyar***, "Siklodekstrin Fonksiyonlu Zein Nanoliflerinin Geliştirilmesi" **26th** ***National Chemistry Congress***, Olu Deniz-Fethiye, Turkey, Oct 01-06, **2012** (Poster Presentation)

96) Zeynep Aytac and **Tamer Uyar**, "Controlled Release, Antioxidant Activity and Photostability of α-Tocopherol (Vitamin E):-CD Inclusion Complex Encapsulated in Polycaprolactone (PCL) Nanofibers Produced by Electrospinning" ***26th National Chemistry Congress***, Olu Deniz-Fethiye, Turkey, Oct 01-06, **2012** (Poster Presentation)

95) *Yelda Ertas and* ***Tamer Uyar***, "Benzoksazin / Gama-Siklodekstrin İnklüzyon Kompleksinin Hazırlanması ve Tavlama Çalışmaları" ***26th National Chemistry Congress***, Olu Deniz-Fethiye, Turkey, Oct 01-06, **2012** (Poster Presentation)

94) **Tamer Uyar**, "Electrospinning of Functional Nanofibers/Nanowebs for Food Packaging Applications" **International Workshop of COST Action FA0904 on Processing technologies and functional properties of polymer nanomaterials for food packaging",** Wroclaw, Poland, 11-12 Sept, **2012** (Oral Presentation)

93) ***Tamer Uyar,*** *Fatma Kayacı, Zeynep Aytac*, *Asli Celebioglu, Yelda Ertas*, "Elektrospin Yöntemi ile Üretilen Fonksiyonel Nanolifler" ***4th National Polymer Science & Technology Conference,*** Canakkale, Turkey, Sept 05-08, **2012** (Oral Presentation)

92) Serkan Demirci, Aslı Çelebioğlu, **Tamer Uyar** "Klik Reaksiyonu ile Fonksiyonel Nanolif Üretimi" ***4th National Polymer Science & Technology Conference,*** Canakkale, Turkey, Sept 05-08, **2012** (Poster Presentation) **(awarded as Best Poster Prize)**

91) *Asli Celebioglu, Zeynep Aytac and* ***Tamer Uyar***, "Polivinil alkol (PVA)/Siklodekstrin (CD) Sisteminden Elektrospin Yöntemi Kullanarak Gümüş Nanoparçacık İçeren Nanoliflerin Üretilmesi" ***4th National Polymer Science & Technology Conference,*** Canakkale, Turkey, Sept 05-08, **2012** (Poster Presentation)

90) *Fatma Kayacı and* ***Tamer Uyar***, "Moleküler Filtrasyon için Siklodekstrin Fonksiyonlu Nanoliflerin Geliştirilmesi" ***4th National Polymer Science & Technology Conference,*** Canakkale, Turkey, Sept 05-08, **2012** (Poster Presentation)

89) *Zeynep Aytac and* ***Tamer Uyar***, "Elektrospin Yöntemi ile Üretilen Alil isotiyosiyanat:β-Siklodekstrin İnklüzyon Kompleksi İçeren Polivinil alkol (PVA) Nanolifleri" ***4th National Polymer Science & Technology Conference,*** Canakkale, Turkey, Sept 05-08, **2012** (Poster Presentation)

88) *Yelda Ertas and* ***Tamer Uyar***, "Polibenzoksazin Nanoliflerinin Elektospin Tekniği ile Üretilmesi" ***4th National Polymer Science & Technology Conference,*** Canakkale, Turkey, Sept 05-08, **2012** (Poster Presentation)

87) Serkan Demirci, Aslı Çelebioğlu, **Tamer Uyar** "RAFT polimerizasyonu ile fonksiyonel nanoliflerin hazırlanması" ***III. Fiziksel Kimya Günleri***, Balıkesir, TURKEY, July 12-15, **2012**. (Poster Presentation)

86) Bülend Ortaç, Hüseyin A. Vural, Fatma Kayacı, Ali E. Deniz, **Tamer Uyar**, "Electrospun polymeric nanowebs incorporating noble metal and semiconductor nanoparticles: towards functional nanofibrous nanocomposites" **NanoTR-8, National Nanoscience & Nanotechnology Conference**, Ankara, Turkey, 25-29 June, **2012** (Poster Presentation)

85) Serkan Demirci, Asli Celebioglu, **Tamer Uyar**, "Surface modification of electrospun cellulose acetate nanofibers via RAFT polymerization" **MACRO2012 - 44th International Symposium on Macromolecules - IUPAC World Polymer Congress**, Blacksburg, Virginia, USA, June 24-29, **2012** (Oral Presentation)

84) Fatma Kayaci, Cagla Ozgit-Akgun, Inci Donmez, Necmi Biyikli and **Tamer Uyar**, "Flexible Organic-Inorganic Core-Shell Nanofibers by Electrospinning and Atomic Layer Deposition" **Nanotech 2012**, Santa Clara, California, June 18-21, **2012** (Oral Presentation)

83) Cagla Ozgit-Akgun, Fatma Kayaci, , Inci Donmez, **Tamer Uyar** and Necmi Biyikli, "Template-based synthesis of AlN hollow nanofibers via plasma-enhanced atomic layer deposition" **Nanotech 2012**, Santa Clara, California, June 18-21, **2012** (Poster Presentation)

82) C. Ozgit-Akgun, F. Kayaci, I. Donmez, **T. Uyar** and N. Biyikli, "Functional nanofibers synthesized by electrospinning and atomic layer deposition", **12th International Conference on Atomic Layer Deposition (ALD 2012)**, Dresden, Germany 17-20 June (**2012**). (Poster Presentation)

81) **Tamer Uyar**, Asli Celebioglu, Fatma Kayaci and Zeynep Aytac, "Cyclodextrin Functionalized Nanofibers via Electrospinning" ***Electrospin 2012-2nd International Conference on Electrospinning,*** *Jeju*, South Korea, May 29- June 1, **2012** (Oral Presentation)

80) Aslı Çelebioğlu, Fatma Kayaci, **Tamer Uyar**, "Electrospinning of Nanofibers from Non-Polymeric Systems: Polymer-free Cyclodextrin Nanofibers" ***Electrospin 2012-2nd International Conference on Electrospinning,*** Jeju, South Korea, May 29- June 1, **2012** (Poster Presentation)

79) Fatma Kayaci, Cagla Ozgit-Akgun, Inci Donmez, Necmi Biyikli and **Tamer Uyar**, "Fabrication of Polymeric-Metal oxide Core-Shell Nanofibers by Electrospinning and Atomic Layer Deposition and Their Photocatalytic Properties" ***Electrospin 2012-2nd International Conference on Electrospinning,*** Jeju, South Korea, May 29- June 1, **2012** (Poster Presentation)

78) Zeynep Aytaç, Aslı Çelebioğlu, **Tamer Uyar**, "Functional Electrospun Nanofibers Incorporating Cyclodextrin/Drug Inclusion Complexes for Controlled Release Systems" ***Electrospin 2012-2nd International Conference on Electrospinning,*** Jeju, South Korea, May 29- June 1, **2012** (Poster Presentation)

77) Fatma Kayacı, Aslı Çelebioğlu, Zeynep Aytaç, Yelda Ertaş, **Tamer Uyar**, "Electrospinning of Cyclodextrin Functionalized Nanofibers" ***The Fiber Society 2012 Spring Conference,*** Empa, St. Gallen, Switzerland, May 23-25, **2012** (Oral Presentation)

76) Asli Celebioglu and **Tamer Uyar**, "Polymer-free Cyclodextrin Nanofibers via Electrospinning" ***The Fiber Society 2012 Spring Conference,*** Empa, St. Gallen, Switzerland, May 23-25, **2012** (Poster Presentation) **(3rd Best Poster Presentation)**

75) Fatma Kayaci and **Tamer Uyar**, "Encapsulation of Vanillin/Cyclodextrin Inclusion Complexes in Electrospun Nanowebs: High Temperature Stability and Slow Release of Vanillin" ***The Fiber Society 2012 Spring Conference,*** Empa, St. Gallen, Switzerland, May 23-25, **2012** (Poster Presentation)

74) Fatma Kayaci, Yelda Ertas and **Tamer Uyar**, "Electrospun Nanowebs Incorporating Essential Oil/Cyclodextrin Inclusion Complexes" ***The Fiber Society 2012 Spring Conference,*** Empa, St. Gallen, Switzerland, May 23-25, **2012** (Poster Presentation)

73) **Tamer Uyar**, "Electrospinning of nanofibers: towards functional nanofibrous nanocomposites" **International Workshop of COST Action MP0701 on Polymer Composites with Novel Functional and Structural Properties by Nanoscale Materials,** Espoo, Finland, 14-16 May, **2012** (Oral Presentation)

72) Asli Celebioglu, Fatma Kayaci, Zeynep Aytac, Yelda Ertas, **Tamer Uyar**, "Electrospinning of Cyclodextrin Functionalized Nanofibers" ***16th International Cyclodextrin Symposium****, Nankai University, Tianjin, China, May 6-10,* **2012** (Oral Presentation)

71) Asli Celebioglu and **Tamer Uyar**, "Cyclodextrin Nanofibers via Electrospinning" ***16th International Cyclodextrin Symposium****, Nankai University, Tianjin, China, May 6-10,* **2012** (Poster Presentation)

70) Zeynep Aytac and **Tamer Uyar**, "Electrospun Hydroxypropyl Cellulose Nanofibers Containing Sulfisoxazole-Cyclodextrin Inclusion Complex and Its Release Characteristic" ***16th International Cyclodextrin Symposium, Nankai University, Tianjin, China, May 6-10,*** **2012** (Poster Presentation)

69) Fatma Kayaci and **Tamer Uyar**, "Electrospun Nanofibers Containing Geraniol/Cyclodextrin Inclusion Complexes: Slow Release and High Temperature Stability of Geraniol" ***16th International Cyclodextrin Symposium****, Nankai University, Tianjin, China, May 6-10,* **2012** (Poster Presentation)

68) Fatma Kayacı, Aslı Çelebioğlu, Zeynep Aytac, Yelda Ertaş, **Tamer Uyar**, "Functional Nanofibrous Nanowebs via Electrospinning" **2nd International Advances in Applied Physics and Materials Science (APMAS 2012),** Antalya,Turkey, 26-29 April, **2012** (Poster Presentation)

67) Fatma Kayaci, Cagla Ozgit-Akgun, Inci Donmez, Necmi Biyikli and **Tamer Uyar**, "Functional Polymeric-Metal oxide Core-Shell Nanofibers by Electrospinning and Atomic Layer Deposition" **2nd International Advances in Applied Physics and Materials Science (APMAS 2012),** Antalya,Turkey, 26-29 April, **2012** (Poster Presentation)

66) Necmi Biyikli, Cagla Ozgit-Akgun, Inci Donmez, Fatma Kayaci and **Tamer Uyar**, "Atomic Layer Deposition of Functional III-Nitride Thin Films and Nano-structures" **2nd International Advances in Applied Physics and Materials Science (APMAS 2012),** Antalya,Turkey, 26-29 April, **2012** (Oral Presentation)

65) Ali Ekrem Deniz, Fatma Kayacı, Asli Celebioglu, **Tamer Uyar** "Polymer/Inorganic Nanofibrous Composites by Electrospinning", **Polymers in Dispersed Media - PDM 2012,** Lyon, France, 15-19 April**, 2012** (Poster Presentation)

64) **Tamer Uyar**, Fatma Kayacı, Asli Celebioglu, Zeynep Aytac, Yelda Ertas "Functional Polymeric Nanofibers via Electrospinning" **243rd American Chemical Society National Meeting**, San Diego, California, USA , March 25-29, **2012** (Oral Presentation)

63) Ali Ekrem Deniz, Asli Celebioglu, Fatma Kayacı, **Tamer Uyar** " Photocatalytic nanofibrous composites via electrospinning technique", **Dutch Polymer Days**, Lunteren, The Netherlands, March 12-13, **2012** (Poster Presentation)

62) Fatma Kayaci, **Tamer Uyar** "Electrospun polymeric nanowebs incorporating vanillin/cyclodextrin inclusion complexes for food packaging applications" ***International Workshop of COST Action FA0904 on Development of new safe PNFP and Development of new strategies to***

identify any critical interaction of PNFP with food, Valencia, Spain, 8-9 March, **2012** (Poster Presentation)

61) **Tamer Uyar** "Functional Nanofibers via Electrospinning" ***International Workshop of COST Action MP0701 on Polymer Nanocomposite materials - Electrospun Nanofibres Composite Materials,*** Antalya, Turkey, 21-22 February, **2012** (Oral Presentation)

60) *Çağla Özgit, Fatma Kayacı, İnci Dönmez,* ***Tamer Uyar****, and Necmi Bıyıklı* "Preparation of Al2O3 and AlN Nanotubes by Atomic Layer Deposition" ***2011 Materials Research Society (MRS) Fall Meeting & Exhibit,*** Boston, MA, USA, November 28 - December 2, **2011** (Poster Presentation)

59) ***Tamer Uyar***, *Fatma Kayacı, Asli Celebioglu, Ali Ekrem Deniz*, *Zeynep Aytac* "Electrospinning of Functional Nanofibers" ***APME 2011 - IUPAC 9th International Conference on Advanced Polymers via Macromolecular Engineering,*** Cappadocia, Turkey, 5-8 September, **2011** (Oral Presentation)

58). K. D. Demir, M. A.Tasdelen, **T. Uyar**, A. W. Kawaguchi, A. Sudo, T. Endo, Y. Yagci, "Polybenzoxazine/clay nanocomposites by in situ thermal ring-opening polymerization using intercalated monomer" ***APME 2011 - IUPAC 9th International Conference on Advanced Polymers via Macromolecular Engineering,*** Cappadocia, Turkey, 5-8 September, **2011** (Poster Presentation)

57). C. Dizman, S. Ates, **T. Uyar**, M. A. Tasdelen, L. Torun, Y. Yagci, "Polysulfone/Clay Nanocomposites by in situ Photoinduced Crosslinking Polymerization" ***APME 2011 - IUPAC 9th International Conference on Advanced Polymers via Macromolecular Engineering,*** Cappadocia, Turkey, 5-8 September, **2011** (Poster Presentation)

56). C.Altinkok, **T. Uyar**, M. A. Tasdelen, Y. Yagci "In situ Synthesis of Polymer/Clay Nanocomposites by Type II Photoinitiated Free Radical Polymerization" ***APME 2011 - IUPAC 9th International Conference on Advanced Polymers via Macromolecular Engineering,*** Cappadocia, Turkey, 5-8 September, **2011** (Poster Presentation)

55) **Tamer Uyar**, Fatma Kayacı, Asli Celebioglu, Ali Ekrem Deniz, Zeynep Aytac "Functional Nanofibers via Electrospinning", **25th** ***National Chemistry Congress***, Erzurum, Turkey, 27 June - 2 July, **2011** (Oral Presentation)

54) Asli Celebioglu and **Tamer Uyar** "Electrospun Porous Cellulose Acetate Fibers via Electrospinning", **25th** ***National Chemistry Congress***, Erzurum, Turkey, 27 June - 2 July, **2011** (Poster Presentation)

53) Fatma Kayacı and **Tamer Uyar** "Zein Nanofibers Produced by Electrospinning", **25th** ***National Chemistry Congress***, Erzurum, Turkey, 27 June - 2 July, **2011** (Poster Presentation)

52) Ali Ekrem Deniz, Asli Celebioglu, Fatma Kayacı, **Tamer Uyar** "Polymer/Inorganic Nanofibrous Composites by Electrospinning", **25th** ***National Chemistry Congress***, Erzurum, Turkey, 27 June - 2 July, **2011** (Poster Presentation) **(awarded as Best Poster Prize)**

51) Zeynep Aytac and **Tamer Uyar** "Electrospinning of Hydroxypropyl Cellulose (HPC) Nanofibers", **25th** ***National Chemistry Congress***, Erzurum, Turkey, 27 June - 2 July, **2011** (Poster Presentation)

50) Asli Celebioglu and **Tamer Uyar** "Electrospinning nanofibers from non-polymeric structures: Cyclodextrin nanofibers", **NanoTR-7, National Nanoscience & Nanotechnology Conference**, Istanbul, Turkey, 27 June - 1 July, **2011** (Poster Presentation)

49) Fatma Kayacı and **Tamer Uyar** "Structures and Release Properties of Cyclodextrin-Vanillin Inclusion Complexes", **NanoTR-7, National Nanoscience & Nanotechnology Conference**, Istanbul, Turkey, 27 June - 1 July, **2011** (Poster Presentation)

48) Ali Ekrem Deniz, Asli Celebioglu, Fatma Kayacı, **Tamer Uyar** "Embedded TiO2 Short Nanofibers into Polymer Nanofibrous Matrix", **NanoTR-7, National Nanoscience & Nanotechnology Conference,** Istanbul, Turkey, 27 June - 1 July, **2011** (Poster Presentation)

47) Zeynep Aytac and **Tamer Uyar** "Cyclodextrin Functionalized Hydroxypropylcellulose Nanofibers via Electrospinning", **NanoTR-7, National Nanoscience & Nanotechnology Conference**, Istanbul, Turkey, 27 June - 1 July, **2011** (Poster Presentation)

46) Asli Celebioglu, Fatma Kayacı, Ali Ekrem Deniz, **Tamer Uyar** "Elektrospin Yöntemi ile Fonksiyonel Nanofiberin Geliştirilmesi", ***24th National Chemistry Congress****, Zonguldak, Türkiye, 29 Haziran-2 Temmuz,* ***2010*** (Oral Presentation)

45) *A.E. Deniz,* ***T. Uyar*** "Elektrospin Yöntemiyle Üretilen TiO2 ve SiO2 Nanofiberleri", ***24th National Chemistry Congress****, Zonguldak, Türkiye, 29 Haziran-2 Temmuz,* ***2010*** (Oral Presentation)

44) *Asli Celebioglu and* ***Tamer Uyar***, "Functional electrospun nanofibers for biomedical applications" ***4th International Technical Textile Congress,*** Istanbul, Turkey, May 16-18, **2010** (Poster Presentation)

43) *Asli Celebioglu and* ***Tamer Uyar***, " Functional Electrospun Nanofibers from Biocompatible Polymers" **NanoTR-6, National Nanoscience & Nanotechnology Conference**, Izmir, Turkey, 15-18 June, **2010** (Poster Presentation)

42) *Fatma Kayacı and* ***Tamer Uyar***, " Morphology of the Electrospun Nylon-66 and Polybutylene terephthalate Nanofibers" **NanoTR-6, National Nanoscience & Nanotechnology Conference**, Izmir, Turkey, **15-18 June, 2010** (Poster Presentation)

41) *Ali Ekrem Deniz and* ***Tamer Uyar***, " TiO2 Nanofibers Produced by Electrospinning" **NanoTR-6, National Nanoscience & Nanotechnology Conference**, Izmir, Turkey, 15-18 June, **2010** (Poster Presentation)

40) *Asli Celebioglu, Fatma Kayacı, Ali Ekrem Deniz and* ***Tamer Uyar***, " Functional Nanofibers and Their Potential Application Areas" **NanoTR-6, National Nanoscience & Nanotechnology Conference**, Izmir, Turkey, 15-18 June, **2010** (Oral Presentation)

39) *Fatma Kayacı and* ***Tamer Uyar***, "Electrospinning of polyester and nylon 66 nanofibrous membranes for filtration" ***4th International Technical Textile Congress,*** Istanbul, Turkey, May 16-18, **2010** (Poster Presentation)

38) *Fatma Kayacı, Asli Celebioglu, Ali Ekrem Deniz and* ***Tamer Uyar***, "Functional Polymeric Nanofibers by Electrospinning" ***4th International Technical Textile Congress,*** Istanbul, Turkey, May 16-18, **2010** (Oral Presentation)

37) *Asli Celebioglu and* ***Tamer Uyar***, "Effect of the solvent systems on the morphology of the electrospun cellulose acetate nanofibers" ***The Fiber Society 2010 Spring Conference,*** Bursa, Turkey, May 12-14, **2010** (Poster Presentation)

36) *Fatma Kayacı and* ***Tamer Uyar***, "Morphology of Nylon 66 Nanofibers Produced by Electrospinning from Different Solvents" ***The Fiber Society 2010 Spring Conference,*** Bursa, Turkey, May 12-14, **2010** (Poster Presentation)

35) *Fatma Kayacı, Asli Celebioglu, Ali Ekrem Deniz and* ***Tamer Uyar***, "Electrospun Functional Nanofibers" ***The Fiber Society 2010 Spring Conference,*** Bursa, Turkey, May 12-14, **2010** (Oral Presentation)

34) *Ali Ekrem Deniz, Asli Celebioglu, Fatma Kayacı and* ***Tamer Uyar***, " Elektrospin Yöntemiyle Üretilen Fonksiyonel Polimerik Nanofiberler" ***3rd National Polymer Science & Technology Conference,*** Kocaeli, Turkey, May 12-14, **2010** (Poster Presentation)

33) *Rasmus Havelund,* ***Tamer Uyar****, Flemming Besenbacher, Kim Lambertsen Larsen, Peter Kingshott* "Molecular Filters Based on Cyclodextrin Functionalized Nanofibers" ElectroSpin 2010: 1st International conference on Electrospinning, Melbourne, Australia, 26-29 Jan **2010** (Oral Presentation)

32) ***T. Uyar****, J. Hacaloglu, H. Ishida* "Synthesis and Characterization of Alky-Functional Naphthoxazines" **Baekeland 2009, 2nd International Symposium on Thermosets**, Antalya, Turkey, 22-25 Nov **2009** (Oral Presentation)

31) *S.B. Fam,* ***T. Uyar****, J. Hacaloglu, H. Ishida,* "Thermal Degradation of Polybenzoxazines via Pyrolysis Mass Spectrometry" **Baekeland 2009, 2nd International Symposium on Thermosets**, Antalya, Turkey, 22-25 Nov **2009** (Poster Presentation)

30) *R. Nielsen, P. Kingshott,* ***T. Uyar****, J. Hacaloglu, K.L. Larsen,* "Characterization of β-cyclodextrin modified SiO2" **First European Cyclodextrin Conference**, Aalborg, Denmark, 11-13 Oct **2009** (Poster Presentation)

29) ***T. Uyar*** "Electrospinning of Cyclodextrin Functionalized Nanofibers", **NanoTR-5, National Nanoscience & Nanotechnology Conference**, Eskişehir, Turkey, 08-12 June, **2009** (Oral Presentation)

28) ***T. Uyar****, Z. Koyuncu, H. Ishida, J. Hacaloglu*, "Polymerization and Degradation Processes of a Aromatic Amine-based Naphtoxazine Monomer" ***18th International Symposium on Analytical and Applied Pyrolysis****, Lanzarote, Canary Islands, Spain****,*** *May 18-23,* ***2008.*** (Oral Presentation)

27) *R. Nielsen, P. Kingshott,* ***T. Uyar****, J. Hacaloglu, K. L. Larsen,* "Characterization of β-Cyclodextrin Modified SiO_2", ***14th International Cyclodextrins Symposium****, Kyoto, Japan, May 8-11,* ***2008*** (Poster Presentation)

26) *J. Hacaloglu,* ***T. Uyar****, C. C. Rusa, A.E. Tonelli,* "Thermal Degradation Processes of Poly(carbonate) /Poly(methyl methacrylate)/Poly(vinyl acetate) Ternary Blends Coalesced from Their Common Inclusion Compound", ***XXI National Chemistry Congress****, Malatya, Turkey, August23-27,* ***2007*** (Oral Presentation)

25) *Z. Koyuncu,* ***T. Uyar****, H. Ishida and J. Hacaloglu,* "Thermal Degradation of Polynaphthoxazines", ***XXI National Chemistry Congress****, Malatya, Turkey, August23-27,* ***2007*** (Oral Presentation)

24) *M. Rusa,* ***T. Uyar****, C. C. Rusa, A. E. Tonelli,* "Nanostructuring polymers with cyclodextrins", ***233rd American Chemical Society National Meeting***, *Chicago, Illinois, USA , March 25 - 29,* ***2007*** (Oral Presentation)

23) ***T. Uyar****, A.E. Tonelli, J. Hacaloglu,* "Thermal Degradation of Poly(carbonate), Poly(methyl methacrylate) and Poly(vinyl acetate) Blend Coalesced from Inclusion Compounds Formed with γ-Cyclodextrin" ***17th International Symposium on Analytical and Applied Pyrolysis****, Budapest, Hungary, May 21-26,* ***2006***. (Oral Presentation)

22) *Hunt, M.A.; Busche, B.; Rusa, M.;* ***Uyar, T****.; Rusa, C.C.; Balik, C.M.; Tonelli, A.E.,* "Controlling the Nanostructure of Polymers with Cyclodextrins." ***231st American Chemical Society National Meeting***, *Atlanta, Georgia, USA , March 26 - 30,* ***2006*** (Oral Presentation)

21) ***T. Uyar*** *and H. Ishida*, "Development of Polybenzoxazines and Their Applications as High Performance Composite Materials" ***Turkish American Scientists and Scholars Association (TASSA) 2nd Annual Conference,*** *Philadelphia, PA, USA****,*** *March 25-26,* ***2006*** (Poster Presentation)

20) ***T. Uyar,*** *M.A. Hunt, A.E. Tonelli, et al.*, "Polymers Processed with Cyclodextrin Inclusion Compounds" ***13th Annual National Textile Center Forum****, Raleigh, North Carolina, USA*, February 20 - 22, **2005** (Oral Presentation)

19) ***T. Uyar,*** *J. Vedula, T. A. Bullions, M. Wei, C. C. Rusa, M. Rusa, X. Wang, A.E. Tonelli*, "Nanostructuring Polymers with Cyclodextrins to Alter Their Conformations and Properties" ***The Fiber Society 2004 Fall Annual Meeting and Technical Conference,*** *October 11 - 13, 2004, Cornell University, Ithaca, NY, USA* (Oral Presentation)

18) ***T. Uyar****, M. Rusa, A.E. Tonelli*, "Polymerization of vinyl monomers in cyclodextrin channels: Can confined free radical polymerization yield stereoregular polymers?" ***228th American Chemical Society National Meeting****, Philadelphia ,PA, USA, August 22-26,* ***2004*** (Poster Presentation)

17) ***T. Uyar****, M. Rusa, M. Wei, C.C Rusa, M.A. Gomez, A.E. Tonelli*, "Reorganization of semicrystalline polymers with cyclodextrins" ***228th American Chemical Society National Meeting****, Philadelphia, PA, USA, August 22-26,* ***2004*** (Oral Presentation)

16) *M. Rusa,* ***T. Uyar****, B.J. Busche, A.E. Tonelli*, "Nanostructuring polymers with cyclodextrins - adjusting their conformations and organizing polymers on surfaces" ***228th American Chemical Society National Meeting, Philadelphia****, PA, United States, August 22-26,* ***2004*** (Oral Presentation)

15) ***T. Uyar****, T. A. Bullions, M. Wei, C. C. Rusa, M. Rusa, X. Wang and A. E. Tonelli*, "Nanostructuring Polymers and Their Conformations with Cyclodextrins to Alter Their Properties" ***Polymer Fibres 2004****, Manchester, UK, 14-16 July* ***2004*** (Oral Presentation)

14) *M. Rusa, B. J. Busche,* ***T. Uyar****, A. E. Tonelli*, "Nanostructuring polymers with cyclodextrins adjusting their conformations and organizing polymers on surfaces" ***MACRO 2004 - 40th IUPAC World Polymer Congress****, Paris, France, July 4-9,* ***2004*** (Oral Presentation)

13) ***T. Uyar,*** *M. Rusa and A.E. Tonelli*, " Polymerization of Vinyl Monomers in Cyclodextrin Channels"***12th International Cyclodextrin Symposium,*** *Montpellier, France, May 16-19,* ***2004*** (Poster Presentation)

12) *C.C. Rusa,* ***T. Uyar****, M. A. Hunt, J. Fox, R. Moorefield, M. Rusa and A.E. Tonelli*, "Nano-structuring Polymer Materials with Cyclodextrin Inclusion Compounds" ***12th International Cyclodextrin Symposium****, Montpellier, France, May 16-19,* ***2004*** (Poster Presentation)

11) *C.C. Rusa,* ***T. Uyar****, A.E. Tonelli, et al.,* "Polymers Processed with Cyclodextrin Inclusion Compounds" ***12th Annual National Textile Center Forum,*** *Hilton Head, South Carolina, USA, February 15 - 17,* ***2004***

10) ***T. Uyar****, C.C. Rusa, M. Rusa, A.E. Tonelli*, "Characteristics of polymer-cyclodextrin inclusion compounds" ***55th Southeast Regional Meeting-American Chemical Society****, Atlanta, Georgia, USA, November 16-19,* ***2003*** (Oral Presentation)

9) *Tonelli, AE; Bullions, TA; Wei, M;* ***T. Uyar*** "Nanostructuring polymer conformations to alter their properties"***226th American Chemical Society National Meeting****, New York, NY, USA, Sept 7-11,****2003*** (Oral Presentation)

8) ***T. Uyar****, L. Toppare, J. Hacaloglu*, "The Pyrolysis Analysis of Polypyrrole/Poly(2-(N-pyrrolyl) ethylvinylether)" ***International Conference of Pyrolysis 2002****, Leoben, Austria, Sept 17-20,* ***2002*** (Poster Presentation)

7) ***T. Uyar****, R.. Rajagopalan, J.O. Iroh*, "Formation of bilayer polypyrrole-polyaniline composite coating for corrosion protection of steel" ***15th Proceedings of International Conference on Surface Modification Technologies****, Indianapolis, IN, USA, Nov 5-8,* ***2001*** (Oral Presentation)

6) ***T. Uyar****, R.. Rajagopalan, J.O. Iroh* "Structural characterization of polyaniline-polypyrrole composite coatings", ***222nd American Chemical Society National Meeting****, Chicago, Illinois, USA, Aug 26-30,* ***2001*** (Poster Presentation)

5) *R. Rajagopalan,* ***T. Uyar****, J. O. Iroh*, "Corrosion and adhesion performance of conducting composite coatings on low carbon steel", ***26th Annual Dayton-Cincinnati Aerospace Science Symposium****, Dayton, Ohio, USA March 30,* ***2001***(Poster Presentation)

4) ***T. Uyar****, L. Toppare, J. Hacaloglu*, "Mass spectroscopic characterization of conducting polymers: Polypyrrole ", ***XIV National Chemistry Congress****, Diyarbakir, Turkey, Sept* ***2000*** (Oral Presentation)

3) ***T. Uyar****, L.Toppare, J. Hacaloglu*, "Thermal and structure characterization of polypyrrole by direct insertion probe pyrolysis mass spectrometer (DIP-MS)", ***ICSM 2000 International Conference on Sci. & Tech. of Synthetic Metals****, Gastein, Austria, July 15-21,* ***2000*** (Poster Presentation)

2) ***T. Uyar****, J. Hacaloglu, L.Toppare*, "Investigation of Polypyrrole via Mass Spectrometer ", ***Colloquium Spectroscopicum Internationale XXXI****, Ankara, Turkey, September 5-10,* ***1999***(Poster Presentation)

1) ***T. Uyar****, J. Hacaloglu, L. Toppare*, "Characterization of Conducting Polymer Grafts of Pyrrole via Mass Spectroscopy" ***XIII National Chemistry Congress****, Samsun, Turkey, Aug 31-Sep 4,* ***1999****.* (Poster Presentation)