

CURRICULUM VITAE

PROF. DR. Nesrin HASIRCI



Near East University (NEU), Lefkosa, TRNC, Mersin 10, Türkiye

Middle East Technical University (METU), Ankara, Türkiye

Member of Advisory Board of METU-Center of Excellence in Biomaterials and Tissue Engineering

Member of METU, Department of Chemistry (Retired)

Member of METU Graduate Departments of Biomedical Engineering; Biotechnology;

Polymer Science and Technology; Micro and Nanotechnology

Fellow of Science Academy (Türkiye), A member of ALLEA (All European Academies)

Member of Organization of ISC (International Science Council)

Honorary Member of European Society for Biomaterials (ESB)

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March 2026

<https://orcid.org/0000-0002-4497-0194>

[Scopus Author ID: 7003969314](#)

[WOS Researcher ID: I-4754-2018](#)

<https://scholar.google.com/citations?user=5stbk-8AAAAJ&hl=tr>

SHORT CV

Professor Nesrin Hasirci is a member of Near East University (NEU, Northern Cyprus). She is retired from the Middle East Technical University (METU) Chemistry Department (Turkey). She is still actively working at METU- BIOMATEN Center of Excellence in Biomaterials and Tissue Engineering as Advisory Board member.

Her research area is concentrated on Biomaterials and Tissue Engineering applications of polymers and composites; use of nano and micro technology for the preparation and modification of the materials; examination of surface-cell interactions. Her works covers the synthesis and preparation of polymers, controlled and targeted micro nano drug delivery systems, novel bone cement compositions, enzyme immobilizations matrices, dental and bone supporting materials.

Prof. Hasirci presented **more 500 talks** on international and national **congresses, conferences and symposia** on which to some of them she was **invited** and been the **plenary** lecturer. Also, she presented more than **100 social seminars** to public communities, university students or students of elementary and high schools. She organized or been in the organization committees of conferences and workshops on ‘Biomaterials and Tissue Engineering’ subjects. She supervised or co-supervised **more than 50 M.Sc. and 20 Ph.D. theses** all related to polymeric structures, their synthesis, modifications and composite formations specific to solve some industrial problems and biomaterials for the diagnosis and treatment of soft and hard tissues and organs.

She has **more than 250 scientific publications** published in refereed and indexed journals. She has **7 patents** (3 approved, 4 pending), **45 chapters in scientific books, 3 books** (as one of the two authors) which are ‘**Fundamentals of Biomaterials**’ (Springer, 2018); **2nd Ed. Fundamentals of Biomaterials**’ (Springer, 2024), and ‘**Biyomalzemelerin Temel İlkeleri (Turkish, METU, 2022)**’. She has **5 edited books** (2 related to Interdisciplinary Graduate Departments, 2 Scientific about Biomaterials). The edited books are about ‘**Hydrogels and Bioinks in Tissue Engineering**’ and published in Turkish (by METU, 2023), and in English (by Springer Nature, 2025). Her **h index is 55** (Google Scholar).

Prof. Hasirci worked as Head of newly established Graduate Departments at METU. She is the establisher and **the first Head of the Graduate Department of Biomedical Engineering**, and have been the **Head of the Graduate Department of Biotechnology** two times at different periods. She also administered as **Vice Chairman of the Chemistry Department** in 1990s. In the years of 1994-1995, she had been at **Massachusetts Institute of Technology (MIT)**, Department of Chemical Engineering, Cambridge, USA, as **Fulbright Visiting Professor** granted by Fulbright Commission and worked in Prof. Robert Langers’ Lab.

Prof. Hasirci is a member of numerous scientific Societies, such as European Society of Biomaterials, Tissue Engineering and Regenerative Medicine Society, Controlled Release Society, Turkish Biomaterials and Tissue Engineering Society, Turkish Polymer Science and Technology Society, Turkish Chemical Society, Turkish Fulbright Alumni Association, etc. She is also member of the Steering Committee of Medical Industry Group of OSTIM.

Prof. Hasirci is **Honorary Member of European Society of Biomaterials**, and **Fellow of the Science Academy (Türkiye)**. She is the owner of **Science Award** presented by **M. Parlar Foundation**, and **Technology Award** presented by **Elginkan Foundation (Türkiye)**. She also received the **University Awards** (given in every year to the successful scientists of the year) since 2001 in every year. Five Ph.D. theses she conducted or been as co-supervisor has received ‘**The Best Thesis of the Year Award**’ given by the **Institute of the Natural and Applied Sciences**, and by **Parlar Foundation** of the University. Some of her students who presented their studies in different Conferences received **The Best Presentation** or **The Best Poster Awards**.

Prof. Hasirci is a member of **ESF Pool of Reviewers**, and has been selected as a member for **FWO Review College** (for the years 2025 - 2028). She worked as reviewer in **Horizon, FP-6 and FP-7 EU, COST and ERA-EuroNanoMed projects**, as well as many **National and International projects and manuscripts** submitted to National and International Journals (e.g. Acta Biomaterialia, Biomedical Materials, Applied Surface Science, Biomacromolecules, Biomaterials, Int. J. of Nano and Biomaterials, Journal of Applied Polymer Science, Journal of Bioactive and Compatible Polymers, Journal of Biomaterials Applications, Journal of Biomaterials Science-Polym. Edn., Journal of Biomedical Materials Research, Journal of Materials Science, Macromolecules, Materials Science and Engineering, Nanotechnology, Pharmaceutical Development and Technology, Polymer, Polymers for Advanced Technologies, Surface and Coatings Technology, Tissue Engineering, etc.).

PROF.DR. Nesrin Hasirci

FULL CV

Date of Birth: June 25, 1949

Marital Status: Married, has two children

Degrees:

Prof.	1992	Physical Chemistry, METU, Department of Chemistry
Assoc. Prof.	1986	Polymer Chemistry, METU, Department of Chemistry
Assnt. Prof.	1986	Polymer Chemistry, METU, Department of Chemistry
Ph.D.	1982	Polymer Chemistry, METU, Department of Chemistry, “Hemoperfusion Studies with Plasma Polymer Hexamethyldisiloxane Coated Activated Chacoal”
M.Sc.	1973	Polymer Chemistry, METU, Department of Chemistry “Studies on Petkim Vcm Side Product”
B.Sc.	1971	Chemistry, Faculty of Arts and Sciences, METU, Department of Chemistry

Administrative Duties:

2019 Sept –	Member of Near East University, Lefkosa, TRNC, Northern Cyprus
2016 - cont.	Consultant of BIOMATEN, Center of Excellence in Biomaterials and Tissue Engineering
2011 - 2016.	METU- Member of Steering Committee in Biotechnology Graduate Department
2013 - 2014	METU- Member of Steering Committee in Biomedical Eng. Graduate Department
2011 - 2013	Chairperson of Biotechnology Graduate Department
2010 - 2016.	Vice-director of BIOMATEN, Center of Excellence in Biomaterials and Tissue Engineering
2010 - cont.	Member of the Steering Committee of Medical Industry Group of OSTIM
2010 - 2012	Member of the ESF Pool of Reviewers
2009 - 2011	METU- Member of Steering Committee in Biomedical Engineering Graduate Department
2008 - 2010	METU- Member of Steering Committee in Biotechnology Graduate Department
2007 - 2009	Member of ODTU-GATA Joint Education Committe
2007 - 2009	Chairperson of Biomedical Engineering Graduate Department
2004 - 2009	Member of Associate Professor Committee of Turkish Universities Council.
2004 - 2004	TUBITAK- Member of the Strategical Organization Committee of Biotechnology and Gen Technologies – Vision- 2023
2003 - 2005	Member of Doctoral Committee of Chemistry Department
2003 - 2005	Member of Stratejical Organization Committee of the President Office
2002 - 2005	Member of Stratejical Organization Committee of the Dean Office
2000 - 2009	Board member of ODTUGV Educational Office
1998 - 2008	Member of University Central Lab. Organization
1996 - 2004	Turkish Delegate of Council of Europe- Pharmacopoeia Commission
1998 - 2001	LOREAL-UNESCO referee for ‘Women in Science’ award
1997 - 2001	Consultant of Chairman, METU Department of Chemistry
1997 - 2001	METU-Delegate of Chemistry in Biotechnology Graduate Department
1993 - 1994	Education Committee Member of the University Senate, METU
1993 - 1994	Head, Graduate Department of Biotechnology, METU
1993 - 1993	Turkish Delegate in 25 th Chemistry Olimpiad, Perugia, Italy
1990 - 1992	Assistant Chairman, METU Department of Chemistry
1990 – 1992	Student Advisory Committee Member of Faculty of Arts & Science
1985 - 1987	Assistant Chairman, METU Department of Chemistry

PROF.DR. Nesrin Hasirci

Professional Progress:

- 2016 – Professor, Near East University, Department of Bioengineering, TRNC, Mersin 10, Turkey
- 1992 - 2016 Professor, METU, Department of Chemistry, Ankara, Turkey
- 1994 - 1995 Fulbright Scholar, Visiting Professor at Massachusetts Institute of Technology, Department of Chemical Engineering, Cambridge, USA
- 1986 - 1992 Associate Professor, METU, Department of Chemistry, Ankara, Turkey
- 1986 - 1986 Assistant Professor, METU, Department of Chemistry, Ankara, Turkey
- 1982 - 1986 Instructor, METU, Department of Chemistry, Ankara, Turkey
- 1982 - 1984 Postdoctoral Fellow and Consultant, Drexel University, Biomedical Engineering and Sciences Inst., Philadelphia, USA
- 1978 - 1982 Teaching Assistant in Physical Chem., METU, Department of Chemistry, Ankara, Turkey
- 1977 - 1978 Teaching Assistant in Organic Chemistry, State Engineering and Architecture Academy of Ankara, Chemistry Dept, Ankara, Turkey
- 1974 - 1975 Research Assistant, Reading University, Department of Soil Sciences, Reading, UK
- 1971 - 1973 Teaching Assistant in General Chemistry and Analytical Chemistry, METU, Department of Chemistry, Ankara, Turkey

Memberships:

- European Society of Biomaterials (2008- present)
- Member of Turkish Fulbright Alumni Association (2008- present)
- Organizing Member of Turkish Biomaterials and Tissue Engineering Society (2008-present)
- Member of Tissue Engineering and Regenerative Medicine Society (TERMIS, 2007-present)
- Member of Controlled Release Society (2001-present)
- Member of International Microencapsulation Society (1997-present)
- Board member of Turkish Fulbright Alumni Association (2000-2015)
- Delegate of Council of Europe- Pharmacopoeia Commission (1996-1998)
- Board member of Turkish Fulbright Alumni Association (1996-2003)
- Member of Turkish Fulbright Alumni Association (1996-present)
- Board member of Turkish Polymer Science and Technology Society (1994-1998)
- Member of Turkish Polymer Science and Technology Society (1994-present)
- Member of Turkish Chemical Society (1993-present)

Research Interests:

Biomaterials and Biocompatibility: Synthesis of polymers as biomaterials, characterization, surface modification and analysis, testing of biocompatibility

Micro and Nano Systems for Medical and Industrial Applications: Synthesis of polymeric micro nano spheres for controlled and targeted drug delivery, magnetic micro and nano particles for enzyme immobilization, micro and nano systems with antibacterial property

Wound Dressing Materials: Synthesis of polymeric films, membranes and sponges for artificial skin applications and use of Growth Factors for cell proliferation and medical applications

Tissue Engineering: Use of polymeric matrices for cell adhesion and examine the parameters affecting cell proliferation

Polymers and Polymeric Composites: Synthesis and modification of polymeric materials and their composites (as bulk, membrane, fiber, electrospun, 3-D printed, etc) which can be used in medical area.

Surface Properties and Surface Modification: Modification and characterization of biomaterials' surfaces and examine the relation between the surface and the cell attachment

Molecular Imprinting: Conformational arrangement of polymeric matrices in the form of spesific molecules, separation and purification of specific molecules

Responsive Hydrogels: Prepration and characterization of polymeric hydrogels responsive to pH and temperature and their use in controlled drug delivery

Enzyme Immobilization: Immobilization of enzymes on to polymeric supports for biosensor of biotechnological applications and testing of activities

Controlled Release of Active Agents: Use of polymeric matrices in controlled release of bioactive agents (drugs, pesticides, herbicides etc.)

Bone Cement Compositions: New formulations of bone-cements with high mechanical properties

Programs Improved and Established:

2005- METU- Science and Engineering Faculties, Biomedical Engineering Graduate Program

2005- METU – Micro and Nano Technology Graduate Program

2004- GATA-METU Joint 'Biomedical Science and Engineering' Graduate Program

2004- METU-MIT Joint 'Biomedical Health' Graduate Program

Editorial:

Journal of Biomaterials and Tissue Engineering (JBT), American Scientific Publishers, USA

Awards:

- 2025 Being in the top 2% of the World's Most Influential Scientists list. The 2024 version of the “**Ranking of researchers with the greatest scientific impact in the world,**” which was prepared by the **Stanford University** researchers, has been published by Elsevier BV.
- 2024 The 2023 version of the “**Ranking of researchers with the greatest scientific impact in the world,**” which was prepared by the **Stanford University** researchers. The World's Most Influential Scientists list. This database is created using Scopus data from Elsevier. The Scientists included in this database are classified into 22 scientific fields and 174 sub-fields. The parameters considered for this analysis are total citations from 1996 to 2022 (nc9622), h index in 2022 (h22), c-score, and world rank based on c-score (Rank ns). Citations without self-cites are considered in all cases (indicated as ns). In the case of a single-year case, citations during 2022 (nc2222) instead of Nc9622 are considered.
- 2023 **Awarded as the 3rd place in oral presented research study (presented by D. Aslantunalı):** Mikrodesenli yüzey üzerinde sinir doku modeli oluşturulması, akson yönlendirme ve sinir hasarı iyileşme süreçlerinin incelenmesi, Damla Arslantunalı-Şahin, Dilara Goksu Tamay, Seyma Işık, Gozde Eevin Köle, Deniz Yücel, Nesrin Hasirci, Vasif Hasirci, 27. Ulusal Biyomedikal Bilim ve Teknoloji Sempozyumu, **BIOMED2023-TR**, 20-22 October 2023, İzmir, Türkiye.
- 2022 The 2021 version of the “**Ranking of researchers with the greatest scientific impact in the world,**” which was prepared by the **Stanford University** researchers, has been published by Elsevier BV. The World's Most Influential Scientists list is prepared in two categories as career-long and single-year impact (studies conducted in 2020). Scientists who are in the top 2% in 22 different scientific fields and 176 sub-fields are included in the list.
- 2020 **Best Thesis of the Year of 2019 Award**, given for co-supervising the Ph.D. Thesis of **Senem Büyüksungur-** Patient-Specific Orthopedic Implant Design and Production with Tissue Engineering Method. **Awarded by Enstitute of Natural and Applied Sciences as the Best Thesis of the year**
- 2018 **ESB Honorary Member Award**, given by The European Society for Biomaterials (ESB) to the scientist having influence in biomaterials area.
- 2018 **Parlar Foundation Award** given for supervising the **Best Thesis of the year**, Ph.D. Thesis of **Gökhan Bahçecioğlu** – A 3D Printed, Polycaprolactone/Hydrogel Based Tissue Engineered Meniscus
- 2017 **Best Thesis of the Year of 2016 Award**, given for co-supervising the Ph.D. Thesis of **Onur Hasturk-** Influence of Micropatterns on Human Mesenchymal Stem Cell Fate. **Awarded by Enstitute of Natural and Applied Sciences as the Best Thesis of the year**
- 2017 **The Best Poster Award**, Gökhan Bahçecioğlu, Nesrin Hasirci, Bahar Bilgen, Vasif Hasirci, Reinforcing Agarose and GelMA Hydrogels with 3D Printed PCL: A Novel Scaffold for Use in Meniscus Tissue Engineering, BIOMED-22nd International Biomedical Science and Technology Sempodium, 12-14 May, 2017, Ankara, Turkey
- 2016 **BILIM AKADEMISI Asli Üyeliği (Science Academia Fellow)**. Elected member for Science Academy of Turkey.
- 2015 **ELGINKAN Technology Award**, given by Elginkan Foundation in every year to the well known and highly expert scientist producing technology.
- 2015 **PARLAR Science Award**, given by M. Parlar Education and Science Foundation in every year to the well known and highly expert scientist of Turkey.
- 2015 **Was selected to be in the ‘Top 25 Hottest Articles’ of 2015 of Carbohydrate Polymers**, Filiz Kara, Eda Ayse Aksoy, Zehranur Yuksekdag, **Nesrin Hasirci**, Serpil Aksoy, Synthesis and surface modification of polyurethanes with chitosan for antibacterial properties, Carbohydrate Polymers, doi.org/10.1016/j.carbpol.2014.05.019, 112, 39–47, November, 2014

PROF.DR. Nesrin Hasirci

- 2015 **The Second Best Poster Award**, Aylin Komez, Erkan Turker Baran, **Nesrin Hasirci** and Vasif Hasirci, Construction of a Retina Substitute by Using Tissue Engineering Approach, 21st International Biomedical Science and Technology Symposium, 22-24 October 2015, Antalya,
- 2015 **Second Best Oral Presentation Award**, Cemile Kilic Bektas, Ilgin Kimiz, Aylin Sendemir Urkmez, Vasif Hasirci, **Nesrin Hasirci**, NaCMC and Collagen Bilayer Scaffolds for Skin Tissue Engineering, 1st East West Asia Biomaterials Symposium, 21 October 2015, Antalya, Turkey
- 2015 **Second Best Oral Presentation Award**, Onur Hasturk, **Nesrin Hasirci**, Vasif Hasirci, Influence of Micropatterns on Human Mesenchymal Stem Cell Fate, 1st East West Asia Biomaterials Symposium 21 October 2015, Antalya, Turkey
- 2015 **Best Scientists Award** of the University given to the most successful scientists of the year 2014
- 2015 **Certificate of Merit**: Given by the Editorial Committee American Scientific Publishers as “Journal of Biomaterials and Tissue Engineering ‘Best Paper Award’” for the year 2014 based on its originality and presentability
- Saygun, I.; Bal, V.; Kızıltay, A.; Huri, P. Yilgor; Avcu, F.; Üstün, K.; Hasirci, V.; **Hasirci, N.**, Proliferation and Differentiation of Mesenchymal Stem Cells in Chitosan Scaffolds Loaded with Nanocapsules Containing Bone Morphogenetic Proteins-4, Platelet-Derived Growth Factor and Insulin-Like Growth Factor 1; Journal of Biomaterials and Tissue Engineering, 4, 3, 181-188, 2014.
- 2014 **Best Scientists Award** of the University given to the most successful scientists of the year 2013
- 2013 **Parlar Foundation Award** given for supervising the **Best Thesis of the year**. Ph.D. Thesis of **Tuğba Endoğan** – Preparation and Characterization of Polymeric Hard Tissue Supports.
- 2013 **Best Scientists Award** of the University given to the most successful scientists of the year 2012
- 2012 **Best Scientists Award** of the University given to the most successful scientists of the year 2011
- 2012 **The Best Poster Award (No:1)**, I. Saygun, V. Bal, P. Yilgor Huri, A. Kızıltay, V. Hasirci, **N. Hasirci**, Çeşitli Büyüme Faktörü İçeren Nanokapsüllerle Hazırlanmış Kitosan İskelet Yapılarda Mezenşimal Kök Hücrelerinin Çoğalmas ve Osteojenik Farklılaşması, Türk Periodontoloji Derneği 42. Bilimsel Kongresi ve 22. Sempozyumu, 8-10 November 2012, Ankara, Turkey
- 2011 **The Best Poster Award- P. Yilgor Huri**, G. Huri, Y. Ucar, U. Yasar, K. Daglioglu, R.L. Reis, N. Hasirci, V. Hasirci, Effect of Pore Volume and Architecture of 3D Scaffolds on the Mechanical Properties of Regenerating Bone, 17th International Biomedical Science and Technology Symposium, Biomed-2011, 23-25 November 2011, Ankara, Turkey
- 2011 **Best Scientists Award** of the University given to the most successful scientists of the year 2010
- 2010 **Best Scientists Award** of the University given to the most successful scientists of the year 2009
- 2010 **The Best Poster Award- First Price in Biomedical Area: C. Işıklı**, V. Hasircı, N. Hasircı, Characterization of Three-Dimensional Chitosan-Gelatin/Hydroxyapatite Scaffolds for Bone Tissue Engineering Approaches, Vth International Bioengineering Congress, 16-19 June 2010, İzmir, Turkey
- 2010 **Best Thesis of the Year of 2009 Award**, given for supervising the Ph.D. Thesis of **Pınar Yilgör**- Sequential growth factor delivery from polymeric scaffolds for bone tissue engineering. **Awarded by Enstitute of Natural and Applied Sciences as the Best Thesis of the year**
- 2009 **Best Scientists Award** of the University given to the most successful scientists of the year 2008
- 2009 **Silver Medal at The “7th International Genetically Engineered Machine” Competition (iGEM)** organized by MIT, USA, Oct 2009, **with the Project: Wound Dressing; A Fast Healing Mechanism**, Team: Özkan İş; Cihan Taştan; Funda Guzey; Serap Memik; Tuğçe Öz; H. Ezgi Karakaş; Ahsen Özcan, Supervisors: Erhan Astarıcı, Serkan Tuna, Team Instructors: Prof. Dr. Mahinur Akkaya; Prof. Dr. Gülay Özcengiz; Prof. Dr. İnci Togan; Dr. Tolga Can, Instructors: Prof. Dr. Vasif Nejat Hasirci and Prof. Dr.

PROF.DR. Nesrin Hasirci

Nesrin Hasirci, Middle East Technical University Biology Department; Molecular Biology and Genetics Department; Equal Contribution, 2009

- 2008 **Parlar Foundation Award** given for supervising the **Best Thesis of the year**, Ph.D. Thesis of **Ayşe Eda Aksoy**- Synthesis and Surface Modification Studies of Biomedical Polyurethanes to Improve long term Biocompatibility
- 2008 **Best Thesis of the Year of 2007 Award**, given by **Enstitute of Natural and Applied Sciences**, Co-advisor of Albana Ndreu, Thesis Title: Electrospin Nanofiber Carriers for Tissue Engineering
- 2008 **Best Scientists Award** of the University given to the most successful scientists of the year 2007
- 2007 **Best Scientists Award** of the University given to the most successful scientists of the year 2006
- 2007 **The First Best Research Award**, Feza Karakayalı, **Nesrin Hasirci**, Aydıncan Akdur, Nihan Haberal, Hale Tufan, Ozgur Basaran, Sinasi Sevmis, Aysel Kiziltay, Mehmet Haberal, Tranilast emdirilmiş sentetik vaskuler greftlerde neointimal hiperplazinin degerlendirilmesi: Deneysel calisma, XIII. Ulusal Cerrahi Kongresi, 22-26 May-2007, Antalya, Turkey
- 2006 **Special Award of Turkish Patent Enstitute (Türk Patent Enstitüsü Özel Ödülü)** ‘Nesrin Hasirci, Kezban Ulubayram- Gelatin sponge structures used in medical applications and the process of production of these structures’, Sınai Mülkiyette 135 Yıl Toplantısı, 14-16 Kasım, 2006, Ankara, Turkey
- 2006 **Macedonian Special Award for the Turkish Patent** ‘Nesrin Hasirci, Kezban Ulubayram- Gelatin sponge structures used in medical applications and the process of production of these structures’, IENA International Exhibition-Ideas-Inventions-New Products, (November 2-5, 2006, Nuremberg, Germany)
- 2006 **Second Best Poster Award** Sultan Gulce, Tugba Endogan, Nesrin Hasirci, S. Ismet D. Gurhan, Methilmetakrilat Polimerlerinin in vivo sitotoksitesi ve genotoksitesi, 1.Polimerik Kompozitler Sempozyumu ve Sergisi, 17-19 November 2006, Izmir Turkey
- 2006 **The First Best Poster Award**, Eda Ayşe Aksoy, Burcu Akata, Nurcan Bac, Nesrin Hasirci, Poliüretan-Zeolit Beta Kompozit Membranları (Polyurethane-Zeolite beta Composite Membranes), Polimer 2006, I. Ulusal Polimer Bilim ve Teknoloji Kongresi (Polymer-2006, I. National Polymer Science and Technology Symposium), 21-23 June 2006, Ankara, Turkey
- 2005 **Best Scientists Award** of the University given to the most successful scientists of the year 2004
- 2004 **TUBITAK -FP6 Project Encouragement-Support Award** – Biomaterials with Micropatterned architecture for Tissue engineering and biomimetic applications- Nanoarchitecture, Director: Prof.Dr.V. Hasirci, METU, January, Turkey
- 2004 **TUBITAK-FP6 Project Encouragement-Support Award** –Biomimetic molecular structures and nano-structured materials for regenerative medicine- Nanoman, Director: Prof. Dr. Anka Letic-Gavrilovic, University Tor Vergata Post Graduate School of Plastic and Reconstructive Surgery, January, Italy
- 2004 **Best Scientists Award** of the University given to the most successful scientists of the year 2003
- 2003 **Best Scientists Award** of the University given to the most successful scientists of the year 2002
- 2003 **Prof.Dr.Ihsan Numanoglu Scientific Research Award (Prof.Dr.Ihsan Numanoglu Bilimsel Araştırma Ödülü)** - given by Turkish Pediatric Surgery Society for the presentation ‘ ‘Sustained and local administration of Epidermal Growth Factor on improving bilateral testicular tissue after torsion and detorsion – S.Uguralp, A.Bay Karabulut, B.Mizrak, F.Kaymaz, A.Kiziltay, **N.Hasirci**’ ’ 21st National Congress of Pediatric Surgery- Turkish and Egyptian Joint Meeting of Pediatric Surgery, 8-10 October 2003, Sanliurfa, Turkey
- 2003 **Parlar Foundation Award** given for supervising the **Best Thesis of the year** Ph.D. Thesis of **Ash Muvaffak**- Release of Anticancer Drugs and Drug Targeting in Cancer Therapy
- 2002 **Best Scientists Award** of the University given to the most successful scientists of the year 2001
- 2001 **Best Scientists Award** of the University given to the most successful scientists of the year 2000

PROF.DR. Nesrin Hasirci

- 2001 **Parlar Foundation Award** given for supervising the **Best Thesis of the year**, Ph.D. Thesis of **Kemal Serbetci**- Formulation and Biomechanical Evaluation of Bone-cements
- 2001 **Best Poster Award** given in ‘The 8th International Symposium on Biomedical Science and Technology, Biomed-8’, K. Serbetci, F. Korkusuz, **N. Hasirci**- Formulation and Biomechanical Evaluation of Bone-cements, Ankara, Turkey, p-50, Sep, 2001
- 1994 **Fulbright Scholarship**, Visiting Professor at Massachusetts Institute of Technology, Department of Chemical Engineering, Cambridge, USA

List of Publications:

Patent Applications:

- 7) Vasif Hasirci, **Nesrin Hasirci** and Busra Gunay, PCT Başvurusu: P-14/301; Craniofacial Implants, 30/12/2014
- 6) Vasif Hasirci, **Nesrin Hasirci** and Busra Gunay, PCT Başvurusu: P-14/306; A new prosthesis material developed for use in the treatment of cervical and lumbar disc hernia, 26/12/2014
- 5) Vasif Hasirci, **Nesrin Hasirci**, ‘Servikal ve lumbar disk hernisinin tedavisinde kullanılmak üzere geliştirilen yeni bir protez malzemesi’, **TR 2017/ 09196 B** (İncelemeli Patent onayı 21.04.2022)
- 4) **Nesrin HASIRCI**, Eda Ayşe Aksoy, Umran Aydemir Sezer, Biodegradable bone fillers, membranes and scaffolds containing composite particles, Patent Lisans Date: 28 Mart 2013; Patent Lisans Number: 1998/000530; 13/852949; **TR 2013/ 03751 B** (İncelemeli patent onayı 21/08/2017).
- 3) **Nesrin HASIRCI** -Nurcan Bac-Eda Ayşe Aksoy-Kübra Kamişoğlu-Burcu Akata Kurç "Processes for Preparation of Medical Grade Polyurethane Composites Containing Antibacterial Zeolite", Patent Lisans Date: 01 Ocak 2011; Patent Lisans Number: 2011/02812; **TR 2011/ 02812 B** (İncelemeli Patent onayı 21.12.2011)
- 2) **Nesrin HASIRCI**, Kezban ULUBAYRAM, Gelatin sponge structures used in medical applications and the process of production of these structures, Patent Lisans Number: 1998/000530;
TR 1998/ 00053 B (İncelemeli Patent onayı 01.01.2006)

This patent received ‘**Macedonian Special Award** ‘ in, **IENA** International Exhibition-Ideas-Inventions-New Products, (November 2-5, 2006, Nuremberg, Germany)

This patent received ‘Special Award of Turkish Patent Enstitute’ (**Türk Patent Enstitüsü Özel Ödülü**) ‘Nesrin Hasirci, Kezban Ulubayram- Gelatin sponge structures used in medical applications and the process of production of these structures’, Sınai Mülkiyette 135 Yıl Toplantısı, 14-16 Kasım, 2006, Ankara, Turkey

- 1) Aslı Muvaffak, **Nesrin Hasirci**, Antikanser ilaçları Hedefleme sistemi: Mikroküre-Antikor sistemi:
Application no: 2003 / 01787

Publications:

Books Written, Edited and Book Chapters Contributed:

Books Written and Edited:

8. **Nesrin Hasirci**, Vasıf Hasirci (**Editors**), Hydrogels and Bioinks in Tissue Engineering (Total page: 372), Springer Nature, Hardcover ISBN978-3-031-90965-8; eBook ISBN978-3-031-90966-5, August **2025**, <https://doi.org/10.1007/978-3-031-90966-5>
7. V. Hasirci and **N. Hasirci (Writers)** Fundamental of Biomaterials, 2nd Ed. (Total page: 393), Springer Nature, ISBN 978-1-4939-8856-3, June **2024**, <https://doi.org/10.1007/978-3-031-54046-2>
6. **Nesrin Hasirci**, Vasıf Hasirci (**Editors**) Doku Mühendisliği, Hidroreller ve Biyomürekkepler, 3-D Organ Yapımı, (Total page: 336), Orta Doğu Teknik Üniversitesi, ISBN 978-975-429-418-7, December **2023**
5. **N. Hasirci** and V. Hasirci, (**Writers**), Biyomalzemelerin Temel İlkeleri, (Total page: 449), Orta Doğu Teknik Üniversitesi, ISBN 978-975-429-412-5, June **2022**
4. V. Hasirci and **N. Hasirci (Writers)** Fundamental of Biomaterials, (Total page: 338), Springer, ISBN 978-1-4939-8856-3, October **2018**
3. **Nesrin Hasirci (Editor)** ODTU Biyomedikal Mühendisliği 10. Yıl Etkinliği, (Total page: 91), Orta Doğu Teknik Üniversitesi, December **2016**
2. **Nesrin Hasirci (Editor)** ODTU Biyoteknoloji 25. Yıl Etkinliği, (Total page: 216), Orta Doğu Teknik Üniversitesi, November **2015**
1. **N. Hasirci**, V. Hasirci (**Editors**) Biomaterials; From Molecules to Engineered Tissues, Advances in experimental medicine and biology- Vol. 553, (Total page: 375), Kluwer/Plenum Publishers, New York, ISBN: 0-306-48583-4, **2004**

Book Chapters:

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44. V Hasirci, **N Hasirci**, Design and Manufacturing Requirements for Medical Devices pp:363-388, in Fundamentals of Biomaterials, 2nd Ed. Springer Nature, June **2024**, https://doi.org/10.1007/978-3-031-54046-2_21
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The screenshot shows the website interface for the Journal of Biomaterials Science, Polymer Edition. The navigation bar includes 'Home', 'All Journals', 'Journal of Biomaterials Science, Polymer Edition', 'List of Issues', and 'Volume 32, Issue 16'. Below the navigation bar, there are buttons for 'Submit an article', 'New content alerts', 'RSS', 'Subscribe', and 'Citation search'. A search bar is present with the text 'Enter keywords, authors, DOI, ORCID etc' and a dropdown menu for 'This Journal'. The main content area is titled 'Explore' and features a 'Most cited articles' section. Four article cards are displayed, each with a title, author(s), volume/issue information, publication date, and a green checkmark indicating citation count. The first card is for 'PCL and PCL-based materials in biomedical applications' by Elbay Malikmammadov et al., published in Volume 29, Issue 7-9, with 233 citations. The second card is for 'Scaffold design and fabrication technologies for engineering tissues — state of the art and future perspectives' by Dietmar W. Hutmacher, published in Volume 12, Issue 1, with 174 citations. The third card is for 'Nanostructured materials for applications in drug delivery and tissue engineering' by Michael Goldberg et al., published in Volume 18, Issue 3, with 144 citations. The fourth card is for 'Synthesis and characterization of PLGA nanoparticles' by Carlos E. Astete et al., published in Volume 17, Issue 3, with 123 citations. A 'View more' link is located at the bottom right of the article cards.

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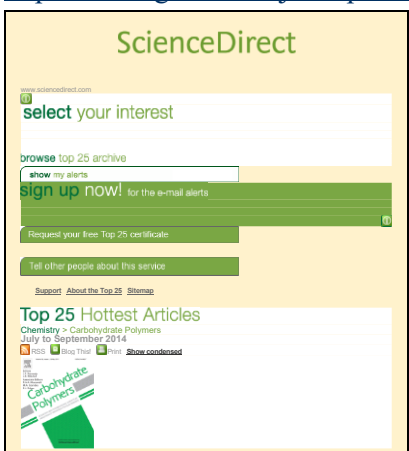
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Conferences and Seminars Attended

572. **Nesrin Hasirci**, BIOMED, 23-25 October 2026, Istanbul, Türkiye
571. **Nesrin Hasirci** (Keynote Speaker), Applications of Polymers in Medicine, Health and Biotechnology, 14th Global Webinar on Materials Science and Engineering, March 04-05, 2026
570. Gulhan Isik, Aysel Kiziltay, **Nesrin Hasirci**, Aysen Tezcaner, Antikanser ilaç taşıyan Nanomisellerin in vitro Tümör Hücre Modelinde Apoptotik Etkisinin Değerlendirilmesi, Ulusal Biyomedikal Bilim ve Teknoloji Sempozyumu, BIOMED2025 (Biomedical Science and Technology Symposium, BIOMED2025), 21-23 November 2025, Ankara, Türkiye
569. **Nesrin Hasirci** (Keynote Speaker), Medical devices having nano system, 2nd World Congress on Nanotechnology, 06-07 November 2025, London, United Kingdom (virtual)
568. **Nesrin Hasirci** (Keynote Speaker), Smart polymers: towards future applications, 15th International Symposium on Frontiers in Biomedical Polymers (FBPS), 22-26 September 2025, Porto, Portugal
567. **Nesrin Hasirci** (Keynote Speaker), European Regulation on Medical Devices Clinical Translation, JSPS (Japan Society for the Promotion of Science) Alumni Association of Indonesia (JAAI), General Assembly and 8th JAAI International Symposium, February 20, 2025, Yogyakarta, Central Java, Indonesia (virtual)
566. **Nesrin Hasirci** (Keynote Speaker), Classifications and Regulations of Medical Devices, 4th Eastern-Western Asia Biomaterials International Congress (EWAB), 1-4 November 2024, Yantai, China (virtual)
565. **Nesrin Hasirci** (Plenary Speaker), Biomaterials and Medical Devices: Development and Regulations, 28th International Biomedical Science and Technology Symposium (BIOMED2024), 1-3 November 2024, Kocaeli, Türkiye
564. Senem Buyuksungur, Jürgen Schmidt, Tugba Endogan Tanir, Vasif Hasirci, Alina Vladescu (Dragomir), **Nesrin Hasirci**, Ti Alloys Coated with CaP-doped with Zn via Micro-Arc Oxidation: Physical and Biological Effectiveness, 28. International Biomedical Science and Technology Symposium, BIOMED2024, 1-3 November 2024, Kocaeli, Türkiye
563. D. Başöz, S. Buyuksungur, A.R.C. Celebi, D. Yucel, **N. Hasirci**, V. Hasirci, Construction of a Hydrogel Based, 3d Bioprinted Corneal Stroma, 2024 TERMIS-World Congress, June 25-28, 2024, Seattle, Washington. USA
562. D. Arslantunali-Sahin, D. G. Tamay, Ş. Işık, G. E. Köle, D. Yucel, **N. Hasirci**, V. Hasirci, Nerve Tissue Model Development on a Micropatterned Surface, 2024 TERMIS-World Congress, June 25-28, 2024, Seattle, Washington. USA

PROF.DR. Nesrin Hasirci

561. Damla Arslantunali-Şahin, Dilara Goksu Tamay, Seyma Işık, Gozde Eevin Köle, Deniz Yücel, **Nesrin Hasirci**, Vasıf Hasirci, Mikrodeseanlı yüzey üzerinde sinir doku modeli oluşturulması, akson yönlendirme ve sinir hasarı iyileşme süreçlerinin incelenmesi, 27. Ulusal Biyomedikal Bilim ve Teknoloji Sempozyumu, BIOMED2023-TR, 20-22 October 2023, İzmir, Türkiye (**Awarded as the 3rd place in oral presentation**)
560. Senem Büyüksungur, Tuğba Endoğan Tanır, Vasıf Hasirci, **Nesrin Hasirci**, Poli(2-etil-2-okzazolin) ve jelatin içerikli yara örtüleri, 27. Ulusal Biyomedikal Bilim ve Teknoloji Sempozyumu, BIOMED2023-TR, 20-22 October 2023, İzmir, Türkiye
559. S. Buyuksungur, A.R.C. Celebi, D. Yucel, C. Kilic, D. Basoz, **N. Hasirci**, V. Hasirci, 3D Bioprinted Stromal Substitute With Human Keratocytes, 33rd Annual Conference of the European Society for Biomaterials ESB2023, 4-8 September 2023, Davos, Switzerland
558. N.S. Bostancı, S. Buyuksungur, A. Tezcaner, **N. Hasirci**, 3D Bioprinted peçtin and gelatin skin grafts containing fibroblasts and bioactive agents, The 6th International Symposium of Materials on Regenerative Medicine and Annual Meeting of Biomaterials Controlled Releases Society, 2023 ISOMRM & BCRS, 31.August 2023-3.September 2023, Taipei, Taiwan
557. D. Basoz, M.I. Karaman, S. Buyuksungur, D. Yucel, **N. Hasirci**, B. Kocaoglu, V. Hasirci, 3D Printed PCL/Hap implant in in vivo applications of segmental bone defect of femoral shaft, The 6th International Symposium of Materials on Regenerative Medicine and Annual Meeting of Biomaterials Controlled Releases Society, 2023 ISOMRM & BCRS, 31.August 2023-3.September 2023, Taipei, Taiwan
556. **Nesrin Hasirci**, Advisory Committee Member of BIOMED 2022, 26th International Biomedical Science and Technology Symposium, 25-27 November, 2022, Ankara-Turkey (Virtual)
555. D. Arslantunali-Sahin, Ş. Işık, D. G. Tamay, G. E. Köle, D. Yucel, **N. Hasirci**, V. Hasirci, Development of a Nerve Tissue Model on a Micropatterned Surface for Axon Guidance and Neural Regeneration Investigations, BIOMED 2022, 26th International Biomedical Science and Technology Symposium, 25-27 November, 2022, Ankara-Turkey (Virtual)
554. Senem Büyüksungur, Deniz Yücel, **Nesrin Hasirci**, Vasıf Hasirci, Corneal Stroma Engineering using 3D Bioprinted GelMA Hydrogels, BIOMED 2022, 26th International Biomedical Science and Technology Symposium, 25-27 November, 2022, Ankara-Turkey (Virtual)
553. **Nesrin Hasirci (Invited)**, Polimerlerin Biyomalzeme ve Doku Mühendisliği Alanlarında Uygulanması, VIII. Polimer Bilim ve Teknoloji Kongresi, 20-23 Haziran 2022, Malatya, TÜRKİYE
552. Nazlı Seray Bostancı, Senem Büyüksungur, **Nesrin Hasirci**, Ayşen Tezcaner, Pektin ve Jelatin Esaslı Biyoaktif Yara Örtüsü Geliştirilmesi, BIOMED2021-TR (25. Ulusal Biyomedikal Bilim ve Teknoloji Sempozyumu), 18-19 December, 2021, Ankara-Turkey (Virtual)
551. Dilara Goksu Tamay, Seyda Gokyer, Jürgen Schmidt, Alina Vladescu, Pinar Yilgor Huri, Vasif Hasirci, **Nesrin Hasirci**, Çinko/Galyum Katkılı, Kalsiyum Fosfat Kaplamalı, Magnezyum-Kalsiyum İkili Alaşımların İn Vitro Aşınma Dayanımı ve Hücre Uyumluluğunun İncelenmesi, BIOMED2021-TR (25. Ulusal Biyomedikal Bilim ve Teknoloji Sempozyumu), 18-19 December, 2021, Ankara-Turkey (Virtual)
550. **Nesrin Hasirci**, Biyomalzemeler ve Doku Mühendisliğinin Geleceği, Moleküler Biyoloji ve Genetik Topluluğu, III. BİGEN Kongresi, 19.12.2020, Istanbul (Virtual)
549. Ozkan Cesur, Tugba Endoğan Tanır, Pinar Celepli, Fatma Ozarslan, Sema Hücümenoğlu, **Nesrin Hasirci**, Enhancing Esophageal Repair with Fibroblast Growth Factor Loaded Gelatin and Poly (E-Caprolactone) Based Bilayer Mesh, 33rd International Symposium on Pediatric Surgical Research, 27-28 Nov, 2020 (Virtual)
548. Alina Vladescu, Jürgen Schmidt, Pinar Yilgor Huri, Catalin Vitelaru, Dorit Kloss, **Nesrin Hasirci**, Lidia R. Constantin, Mariana Braic, Vasif Hasirci, Solution for decreasing of corrosion rate of MgCa alloy used in biomedical applications, European Materials Research Society (E-MRS) Symposium S, Bioinspired and biointegrated materials as new frontiers nanomaterials X, May 25 to 29, 2020, Strasbourg, France (Virtual)
547. **Nesrin Hasirci**, Biotechnology in Health: From Molecules to Engineered Systems, International Biotechnology Congress, BioTürkiye, 5-7 March 2019, Istanbul, Turkey
546. Aylin Komez, Arda Buyuksungur, **Nesrin Hasirci**, Vasif Hasirci, 3D Bone Tumor Model with Tissue Engineering Approach, 24th International Biomedical Science and Technology Symposium (24th BIOMED), 17-20 October 2019, Cesme, Turkey

PROF.DR. Nesrin Hasirci

545. Senem Buyuksungur, **Nesrin Hasirci**, Vasif Hasirci, 3D PCL/GelMA Hybrid Scaffolds in Bone Tissue Engineering, 24th International Biomedical Science and Technology Symposium (24th BIOMED), 17-20 October 2019, Cesme, Turkey
544. **Nesrin Hasirci (Invited)** 3D and 4D Printing in Medical Applications, 24th International Biomedical Science and Technology Symposium (24th BIOMED), 17-20 October, 2019, Cesme, Turkey
543. Vasif Hasirci, Tugba Dursun Usal, Gozde Eke, Deniz Yucel, **Nesrin Hasirci**, Biopolyesters in Biomedical Applications, 10th European Symposium on Biopolymers (10th ESBP), 25-27 September 2019, Straubing, Germany
542. Gozde Eke, **Nesrin Hasirci**, Vasif Hasirci, PHBV in a Tissue Engineered Skin Model, 10th European Symposium on Biopolymers (10th ESBP), 25-27 September 2019, Straubing, Germany
541. **Nesrin Hasirci**, Kimya, vücudumuz ve yapay organlar, İlkYar Seri Konferansları, 8-12 July, 2019, Ankara, Turkey
540. **Nesrin Hasirci (Invited)**, 3D Printing in Tissue Engineering, First 3D Printing and Medical Applications Symposium, July 5, 2019, Near East University, Lefkosa, KKTC
539. **Nesrin Hasirci (Invited)**, Biyomedikal Uygulamalarda Geleceğe Bakış, TÜSEB himayelerinde düzenlenen Güçlü Bir Biyoekonomiye Doğru: Biyoteknolojide Öncelikler ve İş Birlikleri Sempozyumu, 18- 19 Nisan 2019, İstanbul
538. Yağmur Çulhacıoğlu, **Nesrin Hasirci**, Çerağ Dilek, Supercritical CO₂ Foaming of P_LLA with Liquid CO₂-philic Cell Nucleators, 17th European Meeting on Supercritical Fluids (EMSF 2019) - 7th European Meeting on High Pressure Technology, 8-11 April 2019, Ciudad Real, Spain
537. **Nesrin Hasirci (Invited)**, Biyomalzemeler ve yapay Organlar, Boğaziçi Üniversitesi Bilim Kulübü Moleküler Biyoloji ve Genetik Alt Kurulu 13. MBG Hafta Sonu etkinliği, 23 February 2019, İstanbul
536. **Nesrin Hasirci (Plenary)**, Biyomalzeme ve Doku Mühendisliğinde İlkler ve Sonrası, 23. Biyomedikal Bilim ve Teknoloji Sempozyumu (BIOMED2018-TR), 15-16 December 2018, İstanbul
535. Senem Büyüksungur, Arda Büyüksungur, **Nesrin Hasirci**, Vasif Hasirci, Kemik Doku Mühendisliğinde 3Boyutlu PCL/GelMA Hibrit İskeleler, 23. Biyomedikal Bilim ve Teknoloji Sempozyumu (BIOMED2018-TR), 15-16 December 2018, İstanbul
534. Aylin Komez, Arda Büyüksungur, Ezgi Antmen, **Nesrin Hasirci**, Vasif Hasirci, In Vitro Koşullarda 3Boyutlu Kemik Tümör Modeli Geliştirilmesi, 23. Biyomedikal Bilim ve Teknoloji Sempozyumu (BIOMED2018-TR), 15-16 December 2018, İstanbul
533. Gülhan Işık, Aysel Kızıltay, **Nesrin Hasirci**, Aysen Tezcaner, Periodontit Tedavisi İçin Doksisisiklin Yüklü mPEG-b-PCL Miseller ve Vitamin E İçeren Aljinat-Jelatin Hidrojeller, 23. Biyomedikal Bilim ve Teknoloji Sempozyumu (BIOMED2018-TR), 15-16 December 2018, İstanbul
532. Gözde Eke, Menekşe Ermiş, **Nesrin Hasirci**, Vasif Hasirci, Doku Mühendisliği ile Üretilmiş Çok Bileşenli Bir Deri Eşleniği, 23. Biyomedikal Bilim ve Teknoloji Sempozyumu (BIOMED2018-TR), 15-16 December 2018, İstanbul
531. Menekşe Ermis, Onus Hastürk, Utkan Demirci, **Nesrin Hasirci**, Vasif Hasirci, Yüzey Mikro Mimarisinin Osteojenik Etkileri, 23. Biyomedikal Bilim ve Teknoloji Sempozyumu (BIOMED2018-TR), 15-16 December 2018, İstanbul
530. Ayşe Selcen Alagöz, **Nesrin Hasirci**, Vasif Hasirci, Kemik Doku Mühendisliği İçin 3Boyutlu Yazıcı ile Üretilmiş PCL/PHBV/HAP Hücre Taşıyıcılar, 23. Biyomedikal Bilim ve Teknoloji Sempozyumu (BIOMED2018-TR), 15-16 December 2018, İstanbul
529. Deniz Yücel, Gamze Torun Köse, **Nesrin Hasirci**, Vasif Hasirci, Anizotropik Doku İskeleleri ve Hücre Davranışları Üzerine Etkisi, 23. Biyomedikal Bilim ve Teknoloji Sempozyumu (BIOMED2018-TR), 15-16 December 2018, İstanbul
528. Elbay Malikmammadov, Tuğba Endogan Tanir, Aysel Kızıltay, **Nesrin Hasirci**, Biomedical Application of Modified PCL fibers, VII.Ulusal Polimer Bilim ve Teknoloji Kongresi, 09-12 September 2018, Eskişehir, Turkey

PROF.DR. Nesrin Hasirci

527. Yagmur Culhacioglu, Nesrin Hasirci, Cerag Dilek, Supercritical CO₂ Foaming of PLLA with Liquid CO₂-philic Cell Nucleators, 9th Eastern Mediterranean Chemical Engineering Conference (EMCC 9), 31 August – 2 September, 2018, Ankara, Turkey
526. Nesrin Hasirci, Functional Polymers and Polymeric Composites Designed for Medical Applications, Biomaterials International, 22-26 July 2018, Tokyo, Japan
525. Gokhan Bahcecioglu, Nesrin Hasirci, Vasif Hasirci, Engineering a PCL/Hydrogel Based 3D Printed Meniscus, Second International Biomedical Engineering Congress-IBMEC 2018, 24-27 May 2018, North Cyprus
524. Aylin Komez, Arda Buyuksungur, Ezgi Antmen, Nesrin Hasirci, Vasif Hasirci, Development of an In Vitro 3D Bone Tumor Model, Second International Biomedical Engineering Congress-IBMEC 2018, 24-27 May 2018, North Cyprus
523. Nesrin Hasirci (Plenary), Artificial Organs: Past – Present – Future, Second International Biomedical Engineering Congress- IBMEC 2018, 24-27 May 2018, Lefkosa, North Cyprus
522. Nesrin Hasirci, Chemistry in Biomaterials Artificial Organs and Tissue Engineering, EU Project High school students, 3 May 2018, METU, Ankara, Turkey
521. Nesrin Hasirci, Kimyadan Yapay Organ Yapımına Yolculuk (A Travel from Chemistry to Artificial Organs), 4. ODTÜ Bilim Günleri (4. METU Science Days), 28 April 2018, Ankara, Turkey
520. Nesrin Hasirci, Laboratuvarda organ yapmaya ne kadar yakınız? (How close are we to make organs in the lab), Bilim Akademisi (Science Academia), 14 April 2018, İstanbul, Turkey
519. Gokhan Bahcecioglu, Nesrin Hasirci, Vasif Hasirci, Bahar Bilgen, A 3D Printed PCL/Hydrogel Based Tissue Engineered Meniscus with Zonal Variation, ORS 2018, Orthopaedic Research Society Annual Meeting, 10-13 March, 2018, Louisiana, New Orleans, USA
518. Nesrin Hasirci, Laboratuvarda organ yapmaya ne kadar yakınız (How close are we to make organs in the lab), TRT-1 Radyo programı, 12 February 2018, Ankara Turkey
517. Nesrin Hasirci, Laboratuvarda organ yapmaya ne kadar yakınız (How close are we to make organs in the lab), METU-SEM-DAS Presentation, 5 February, 2018, Ankara, Turkey
516. Nesrin Hasirci, Kimya ve Biyomedikal Uygulamaları (Chemistry and Biomedical Applications), METU - Chemistry Department, Colleuquem-400, 23 Nov, 2017
515. Nesrin Hasirci, Bilim, Deneyim, Yaşam, BIOMATEN Çalıştayı (Science, Experience and Life- BIOMATEN Workshop) 17 November 2017, Ankara, Turkey
514. Nesrin Hasirci, Medikal Alanda Kullanılan Mikro ve Nano Sistemler ve Fonksiyonel Doku İskeleleri, Ulusal Kimya Kongresi, 10-14 September 2017, Ankara, Turkey,
513. Busra Gunay, Nesrin Hasirci, Vasif Hasirci, A cell attracting composite of lumbar fusion cage, 28th Annual Conference of the European Society for Biomaterials (ESB), 4-8 September 2017, Athens, Greece
512. Senem Buyuksungur, Tugba Endogan Tanir, Arda Buyuksungur, Ezgi Irem Bektas, Gamze Torun Kose, Deniz Yucel, Tahsin Beyzadeoğlu, Cagri Yenigun, Ergin Tonuk, Vasif Hasirci, Nesrin Hasirci, Polymeric Composites with Multifunctional Properties and 3D Bioplotted Scaffolds for Tissue Engineering Applications, 28th Annual Conference of the European Society for Biomaterials (ESB), 4-8 September 2017, Athens, Greece
511. Onur Hastürk, Menekşe Ermis, Nesrin Hasirci, Vasif Hasirci, Square Prism Pillars Control Cell Behavior, 28th Annual Conference of the European Society for Biomaterials (ESB), 4-8 September 2017, Athens, Greece
510. Gulhan Isik, Aysel Kiziltay, Nesrin Hasirci, Aysen Tezcaner, Polymeric Hydrogel/Micelle System as Drug Delivery and Tissue Support for Periodontal Regeneration, 28th Annual Conference of the European Society for Biomaterials (ESB), 4-8 September 2017, Athens, Greece
509. Gokhan Bahcecioglu, Nesrin Hasirci, Bahar Bilgen, Vasif Hasirci, Combination of a 3D printed PCL construct with agarose or GelMA for use as a novel meniscus substitute, 28th Annual Conference of the European Society for Biomaterials (ESB), 4-8 September 2017, Athens, Greece

PROF.DR. Nesrin Hasirci

508. Menekse Ermis, **Nesrin Hasirci**, Vasif Hasirci, Mesenchymal Stem Cell and HUVEC Spheroids Embedded in GelMA Hydrogel Matrix for Vascularized Soft Tissue Engineering, 28th Annual Conference of the European Society for Biomaterials (ESB), 4-8 September 2017, Athens, Greece
507. **Nesrin Hasirci (Invited)**, Multifunctional Biomaterials and Tissue Engineering Applications, 2017 ISOMRM, International Symposium of Materials on Regenerative Medicine, 23-26 August 2017, Taoyuan, Taiwan
506. Deniz Yucel, Gamze Torun Kose, **Nesrin Hasirci**, Vasif Hasirci, Guided Tissue Engineering: Response of Stem Cells to Electrospun Fiber Platforms, 2017 ISOMRM, International Symposium of Materials on Regenerative Medicine, 23-26 August, Taoyuan, Taiwan
505. **Nesrin Hasirci (Invited)**, Micro and Nano Modifications of Surface and Bulk Properties of Polymeric Biomaterials, 12th International Symposium on Frontiers in Biomedical Polymers, FBPS-2017, 11-14 July 2017, Seoul, Korea
504. Gozde Eke, Naside Mangir, **Nesrin Hasirci**, Sheila MacNeil, Vasif Hasirci, A UV crosslinked IPN hydrogel loaded with ADSC to promote vascularization for tissue engineered skin, TERMIS European Chapter Meeting, 26-30 June, 2017, Davos, Switzerland
503. **Nesrin Hasirci (Invited)**, Functionalized 3D Scaffolds Printed by Additive Manufacturing for Patient Specific Bone Tissue Engineering Applications, BIOMED 2017, 22. International Biomedical Science and Technology Symposium, 12-14 May 2017, Ankara, Turkey
502. Menekse Ermiş, **Nesrin Hasirci**, Vasif Hasirci, Mesenchymal stem cell and HUVEC spheroids embedded in GelMA as a vascularization strategy for engineered soft tissues, BIOMED 2017, 22. International Biomedical Science and Technology Symposium, 12-14 May 2017, Ankara, Turkey
501. Aysel Kiziltay, I. Duzenli, Tugba E. Tanir, **Nesrin Hasirci**, Polymeric bilayer scaffolds co-cultured with L929 and BMSCs for periodontal applications, BIOMED 2017, 22. International Biomedical Science and Technology Symposium, 12-14 May 2017, Ankara, Turkey
500. Elbay Malikmammadov, Tugba T. Endoğan, Aysel Kiziltay, Vasif Hasirci, **Nesrin Hasirci**, PCL-Fibrin scaffolds for bone tissue engineering applications, BIOMED 2017, 22. International Biomedical Science and Technology Symposium, 12-14 May 2017, Ankara, Turkey
499. Gokhan Bahcecioglu, **Nesrin Hasirci**, Bahar Bilgen, Vasif Hasirci, Reinforcing agarose and GelMA hydrogels with 3D printed PCL: a novel scaffold for use in meniscus tissue engineering, BIOMED 2017, 22. International Biomedical Science and Technology Symposium, 12-14 May 2017, Ankara, Turkey
498. Gulhan Isık, Aysel Kiziltay, **Nesrin Hasirci**, Aysen Tezcaner, Alginate-gelatin hydrogels loaded with doxycycline and vitamin E containing mPEG-b-PCL micelles for periodontal tissue regeneration, BIOMED 2017, 22. International Biomedical Science and Technology Symposium, 12-14 May 2017, Ankara, Turkey
497. Gözde Eke, Naşide Mangıra, Christopher R Chapple, **Nesrin Hasirci**, Vasif Hasirci, Sheila MacNeil, Estradiol Releasing Hydrogel as A Proangiogenic Substitute for Fat Flaps Used in Urogenital Reconstruction, European Association of Urology 32nd Congress, 24-28 March 2017, London, UK
496. GokhanBahcecioglu, **Nesrin Hasirci**, Vasif Hasirci, Bahar Bilgen, Differential Effects of Hydrogels on In Vitro Meniscus Regeneration, Orthopaedic Research Society Annual Meeting (ORS 2017), 19-22 March 2017, San Diego, California, USA
495. **Nesrin Hasirci**, Multifunctional Biomaterials and Tissue Engineering Applications, International Conference on Medical and Biological Engineering, 16-18 March, 2017, Sarajevo, Bosnia and Herzegovina
494. A. Buyuksungur, S. Buyuksungur, **N. Hasirci**, V. Hasirci Number, Biyobasım sonrası implant görüntülemesi: Mikro CT, Doku Mühendisliğinde Biyobasım: Polimerik Malzemeler, Biyoseramik Kompozitler, Doku Özdeşleri, İzmit, Turkey, Nov. 2016
493. **Nesrin Hasirci**, Doku Mühendisliği Yöntemiyle 3B Polimerik Kemik İmplantı İn Vivo Uygulaması, Doku Mühendisliğinde Biyobasım: Polimerik Malzemeler, Biyoseramik Kompozitler ve Doku Özdeşleri Çalıştay1, 2 Kasım 2016, Kocaeli Üniversitesi, İzmit, TÜRKİYE
492. Tuğba Endoğan Tanir, Elif Vargün, **Nesrin Hasirci**, Platelet Adhesion and Protein Adsorption on Heparin Immobilized Graphene Enhanced Poly(Acrylonitrile-co-Ethyl Methacrylate) Membranes, 46th IUPAC World Polymer Congress (MACRO 2016), 17-21 July 2016, Istanbul, Turkey

PROF.DR. Nesrin Hasirci

491. Eda Ayse Aksoy, Filiz Kara, **Nesrin Hasirci**, Serpil Aksoy, Improving Antibacterial Efficacy of Chitosan Grafted Polyurethanes with Silver Nanoparticles, 46th IUPAC World Polymer Congress (MACRO 2016), 17-21 July 2016, Istanbul, Turkey
490. **Nesrin Hasirci**, 3D printed PCL based composites for bone tissue engineering Applications, Summer School on Tissue Engineering and Regenerative Medicine, 4-9 July 2016, Riva del Garda, Italy
489. Ayse Selcen Alagoz, Jose Carlos Rodriguez-Cabello, **Nesrin Hasirci**, Vasif Hasirci, Wet Spun Scaffolds of PHA-PLA Blend for Bone Tissue Engineering, European Chapter Meeting of the Tissue Engineering and Regenerative Medicine International Society 2016, 28 June-1 July, 2016, Uppsala, Sweden
488. A. Buyuksungur, S. Buyuksungur, **N. Hasirci**, V. Hasirci Number, 3D Printed, Patient Specific Biodegradable Bone Implant Design and Characterization, Ulusal u-CT Yaz Okulu, 30 May-3 June, 2016, Malatya, Turkey
487. **Nesrin Hasirci**, Multifunctional polymeric composites: Bioactive, biodegradable, antithrombogenic and antimicrobial, 10th World Biomaterials Congress, 17-22 May 2016, Montreal Canada
486. Ayse Eda Aksoy, Filiz Kara, Tuba Tuylu Kucukkilinc, Serpil Aksoy, **Nesrin Hasirci**, Adsorption of Plasma Proteins on Multi Layer Surface Modified Polyurethane Films, 10th World Biomaterials Congress, 17-22 May 2016, Montreal Canada
485. Elbay Malikmammadov, Tugba T. Endogan, Aysel Kiziltay, Vasif Hasirci, **Nesrin Hasirci**, Surface modified multi-functional PCL/TCP fibrous scaffolds, 10th World Biomaterials Congress, 17-22 May 2016, Montreal Canada
484. **Nesrin Hasirci**, Modification of Surfaces to Create Antithrombogenic and Antibacterial Properties, EMN on Biomaterials, 4-6 April, 2016 Phuket, Tayland
483. **Nesrin Hasirci**, Chemistry, Biomaterials and Artificial Organs, Chemistry Discussions@ Bilkent, 1 April 2016, Ankara
482. **Nesrin Hasirci**, Biomedical Materials and Artificial Organs, METU Graduate School of Natural and Applied Science -17 March 2016, Ankara
481. **Nesrin Hasirci**, Biyomalzemeler ve Biyomedikal, Ar-Ge Strateji Belgesi Hazırlanması, Biyomedikal Alanı 1. Çalıştayı, 25 Şubat 2016, ODTU Ankara
480. **Nesrin Hasirci**, Vasif Hasirci, BIOMATEN ve BİYOMALZEMELER, Teknoloji Basın Toplantısı - 12 Şubat 2016, ODTU Ankara
479. Ilgın Kımız, Begüm Zeybek, Cemile Kilic Bektas, Vasif Hasirci, **Nesrin Hasirci** and Aylin Şendemir-Ürkmez, Collagen/Chondroitin Sulfate and Carboxymethyl Cellulose Bilayered Scaffolds for Skin Tissue Engineering Applications, BEC-2015, VII. International Bioengineering Congress, 19-21 November 2015, İzmir, Turkey
478. Ipek Duzenli, Aysel Kiziltay, Tugba T Endogan, **Nesrin Hasirci**, PCL Based Bilayer Scaffolds for Dental Tissue Engineering, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey
477. Aylin Komez, Erkan Turker Baran, **Nesrin Hasirci** and Vasif Hasirci, Construction of a Retina Substitute by Using Tissue Engineering Approach, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey (**Awarded as the 2nd place in poster presentation**)
476. Aylin Komez, Senem Buyuksungur, Vasif Hasirci, **Nesrin Hasirci**, Synthesis of Polyurethane for Coating of Neurostimulator, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey
475. Filiz Kara, Eda Ayse Aksoy, **Nesrin Hasirci**, Serpil Aksoy, Antibacterial Chitosan and Heparin Modified Polyurethane Surfaces, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey
474. Senem Buyuksungur, Arda Buyuksungur, **Nesrin Hasirci**, Vasif Hasirci, 3D Printed Tissue Engineered Femoral Implant Design and Production, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey

PROF.DR. Nesrin Hasirci

473. Senem Buyuksungur, **Nesrin Hasirci**, Vasif Hasirci, Controlled Doxorubicin Delivery from Photoresponsive Liposomes Carrying Vitamin A Derivatives, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey
472. Eda Ayse Aksoy, Umran Aydemir Sezer, Filiz Kara, **Nesrin Hasirci**, Heparin/Chitosan/Alginate Complex Scaffolds as Antibacterial Wound Dressings, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey (sözlü)
471. E. Turker Baran, Aylin Komez, Esen Sayin, **Nesrin Hasirci**, Vasif Hasirci, Guided Tissue Regeneration by Micro and Nanofabricated Scaffolds, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey (sözlü)
470. Ayse Selcen Alagoz, **Nesrin Hasirci**, Vasif Hasirci, Open-Source 3D Printed PHA-PLA Construct for Bone Tissue Engineering, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey
469. Vasif Hasirci, Ayla Sahin, Gozde Eke, **Nesrin Hasirci**, Delivery of Drugs into Cells with PHBV Nanoparticles, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey
468. A. Buyuksungur, T. Endogan Tanır, **N. Hasirci**, V. Hasirci, Modelling of 3D Scaffolds for Patient Specific Implants, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey
467. Elbay Malikmammadov, Tugba T Endogan, Aysel Kiziltay, Vasif Hasirci, **Nesrin Hasirci**, Functional PCL Scaffolds: Local Antibiotic Delivery in Bone Tissue Engineering Applications, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey
466. Ceren Cokca, S. Belgin Isgor, Yasemin G. Isgor, **Nesrin Hasirci**, The Effect of Doxorubicin Containing PSA-PEG Nanocapsules on Glutathione S-Transferase Activity, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey
465. Büşra Günay, **Nesrin Hasirci**, Vasif Hasirci, Development of a Polymeric Cage Material For Use in Lumbar Bone Defects, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey
464. D. Arslantunali, M. Nizamoglu, **N. Hasirci**, V. Hasirci, Construction of Multifunctional Nerve Guides for Spinal Cord Injuries, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey
463. Onur Hasturk, **Nesrin Hasirci**, Vasif Hasirci, Influence of Micropatterns on Human Mesenchymal Stem Cell Fate, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey
462. Ipek Duzenli, Aysel Kiziltay, Tugba T Endogan, **Nesrin Hasirci**, PCL Based Bilayer Scaffolds for Dental Tissue Engineering, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey
461. Cemile Kilic Bektas, Ilgin Kimiz, Aylin Sendemir Urkmez, Vasif Hasirci, **Nesrin Hasirci**, NaCMC and Collagen Bilayer Scaffolds for Skin Tissue Engineering, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey
460. **Nesrin Hasirci**, Surface Modifications of Polymeric Composites to Have Bioactive, Biocompatible, Antithrombogenic and Antibacterial Properties, 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015, Antalya, Turkey (sözlü)
459. **Nesrin Hasirci**, Innovation and Patents to Products, 1st East-West Asia Biomaterials Symposium (EWAB 2015), 21 October 2015, Antalya, Turkey
458. G. Bahçecioglu, N. Hasirci, V. Hasirci, A 3D Printed, PCL-Based Scaffold for Potential Use in Meniscal Regeneration, 4th Termis World Congress, 8-11 September 2015, Boston, MA, USA
457. V. Hasirci, A. Şahin, G. Eke, **N. Hasirci**, Delivery of Drugs into Cells with PHBV Nanoparticles, 4th Termis World Congress, 8-11 September 2015, Boston, MA, USA

PROF.DR. Nesrin Hasirci

456. E. A. Aksoy, U. Aydemir Sezer, F. Kara, **N. Hasirci**, Heparin Containing Polyelectrolyte Scaffolds as Wound Dressings, 4th Termis World Congress, 8-11 September 2015, Boston, MA, USA (sözlü)
455. Vasif Hasirci, Selcen Alagoz, Tugba Dursun, Cemile Kilic Bektas, **Nesrin Hasirci**, Biopolymers in Tissue Engineering and Regenerative Medicine, ESBP 2015, 8th European Symposium on Biopolymers, 16 - 18 September 2015, Rome, Italy (sözlü)
454. Onur Hasturk, Menekse Ermis, Utkan Demirci, **Nesrin Hasirci**, Vasif Hasirci, Influence of isotropic micropatterns on proliferation, morphology and spreading of bone derived cells, 27th European Conference on Biomaterials, 30th August – 3rd September 2015, Krakow, Poland
453. Cemile Kilic Bektas, Ilgin Kimiz, Aylin Sendemir Urkmez, Vasif Hasirci, Nesrin Hasirci, Collagen and Carboxymethyl Cellulose Bilayers for Skin Tissue Repair, 27th European Conference on Biomaterials, 30th August – 3rd September 2015, Krakow, Poland (sözlü)
452. Malikhhammadov E, Endogan T. T., Kiziltay A., **Hasirci N.**, PCL Wet Spun Scaffolds for Antibiotic Delivery, 11th Frontiers in Biomedical Polymers Symposium, 8-11 July, 2015, Riva del Garda, Italy
451. Senem Heper, **Nesrin Hasirci**, Vasif Hasirci, Patient-Specific Orthopedic Implant Design and Production with Tissue Engineering Method, 11th Frontiers in Biomedical Polymers Symposium, 8-11 July, 2015, Riva del Garda, Italy
450. **Nesrin Hasirci**, Surface Modifications of Polymeric Materials and Composites, 11th Frontiers in Biomedical Polymers Symposium, 8-11 July, 2015, Riva del Garda, Italy
449. **Nesrin Hasirci**, Effects of Growth Factors on Tissue Regeneration, Summer School on Biomaterials and Regenerative Medicine, July 6th-8th, 2015, Riva del Garda, Italy
448. Tugba ENDOĞAN, Elif VARGÜN, **Nesrin HASIRCI**, Graphene nanosheet-poly(acrylonitrile-co-ethyl methacrylate) copolymer film preparation and antibacterial performance, 11th Nanoscience and Nanotechnology Conference (NanoTR-11), 22 -25 June, 2015, Ankara, Turkey.
447. **Nesrin Hasirci**, Importance of Inovation and Patents, 29 May 2015, Koc University, Istanbul, Turkey
446. **Nesrin Hasirci**, Artificial Organs and Tissue Engineering, 6 March 2015, Archaeometry Department, METU Ankara, Turkey
445. **Nesrin Hasirci**, Biyomalzemelerde Yüzeyin Önemi ve Incelenmesi, BIOMATEN-ODTÜ Biyomalzeme ve Doku Mühendisliği Merkezi Çalıştay, 26 December 2014, Ankara, Turkey
444. **Nesrin Hasirci**, Fikirden Ürüne Teknoloji Serüveni, 3. Ege AR-GE ve Teknoloji Günleri- AreGE 2014, 11-12 December 2014, Imir, Turkey
443. **Nesrin Hasirci**, Importance of Micro and Nano Modifications in Medical Devices, IV Course on Biomaterials For Advanced Applications and IV International Congress on Biomaterials, BIOMAT 2014, 17-21 November 2014, Habana, Cuba
442. **Nesrin Hasirci**, Biyoteknoloji EABD Tarihçesi, ODTÜ Biyoteknoloji 25.Yıl Etkinliği, 14 November 2014, ODTU-Ankara, Turkey
441. Novendra Novendra, Basak Kanya, Aysun Guney, **Nesrin Hasirci**, Cerag Dilek, Polyhedral Oligomeric Silsesquioxanes, Solubility in Supercritical Carbon Dioxide and Application in Porous Polymers, 7th Green Solvents Conference, 19-22 October 2014, Dresden, Germany
440. **Nesrin Hasirci**, Modifications of Micro and Nano Devices used in Medicine, Symposium on Advanced Technologies on Health Sciences, 15-16 September 2014, HUNITEK & Hacettepe Technopolis, Ankara, Turkey
439. Novendra Novendra, Aysun Guney, **Nesrin Hasirci**, Cerag Dilek, Süperkritik karbondioksit ile polimer köpüklerinin elde edilmesi, 11.Ulusal Kimya Mühendisliği Kongresi (UKMK-11), 2-5 September, 2014, Eskisehir, Turkey
438. A. Kömez, E. T. Baran, N. Hasirci, V. Hasirci, Vascular network generation in hyaluronic acid by micromolding and photoimmobilization of fibronectin, 26th European Conference on Biomaterials, 31st Aug – 3rd Sept 2014, Liverpool, England

PROF.DR. Nesrin Hasirci

437. S. Heper, **N. Hasirci**, V. Hasirci, Doxorubicin Carrying Photoresponsive Liposomes for Proliferative Vitreoretinopathy Treatment, 26th European Conference on Biomaterials, 31st August – 3rd September 2014, Liverpool, England
436. Ayse Selcen Alagoz, Jose Carlos Rodriguez-Cabello, **Nesrin Hasirci**, Vasif Hasirci, A Novel Biological Polyester Based Wet Spun Scaffold for Bone Tissue Engineering, 26th European Conference on Biomaterials, (P188), 31st August – 3rd September 2014, Liverpool, England
435. Filiz Kara, Eda Ayse Aksoy, Serpil Aksoy and **Nesrin Hasirci**, Antibacterial Polyurethane Surfaces: Modification with Chitosan by Covalent Immobilization, 26th European Conference on Biomaterials, 31st August – 3rd September 2014, Liverpool, England
434. Vasif Hasirci, **Nesrin Hasirci**, Micro and Nano Systems in Medical Applications, 26th European Conference on Biomaterials, 31st August – 3rd September 2014, Liverpool, England
433. **Nesrin Hasirci (Invited)**, Importance of composites in medical applications, Biomedical Science and Technology (BIOMED 2014), 24-27 August 2014, Köyceğiz, Muğla, Turkey
432. F. Kara, E. A. Aksoy, Z. Yuksekdog, S. Aksoy and N. Hasirci, Covalent Immobilization of Heparin on Polyurethane Films For Anti-adhesive Property, Biomedical Science and Technology (BIOMED 2014), 24-27 August 2014, Köyceğiz, Muğla, Turkey
431. S. Ucar, M. Ermis, V. Hasirci, **N. Hasirci**, Mineralized Chitosan Scaffolds for Bone Tissue Engineering Applications, Biomedical Science and Technology (BIOMED 2014), 24-27 August 2014, Köyceğiz, Muğla, Turkey
430. **Nesrin Hasirci**, Research, Patents and Products in Biomaterials and Tissue Engineering, Meeting on Advancing Research & Development and Innovation in Turkey – Biomedical and Pharmaceutical Sciences, 16-18 July 2014, METU-Teknokent, Ankara, Turkey
429. Ufuk Ates, Gulnur Gollu, Gonul Kucuk, Meltem Bingol-Kologlu, Deniz Billur, Umit Bagriacik, **Nesrin Hasirci**, Huseyin Dindar, The effects of local and systemic growth hormone on germ cell morphology and fertility in unilateral experimental testis torsion model: An experimental study in rats, European Paediatric Surgeons' Association, EUPSA Congress, 18-21 June 2014, Dublin, Ireland
428. **Nesrin Hasirci**, Micro and Nano Modifications of Polymeric Materials for Medical Applications Kultur Universitesi, Istanbul Kultur University-Harvard-MIT Jjoint Meeting on Nanotechnology and Tissue Engineering: Current Challenges and Future Prospects, 20-21 December, 2013, Istanbul, Turkey
427. **Nesrin Hasirci**, Fikri Mülkiyet Hakları ve Patent Süreçleri, ODTU Biyomalzeme ve Doku Muhendisligi Mukemmeliyet Merkezi Calistayi, 16 December 2013, Ankara, Turkey
426. **Nesrin Hasirci**, Biyomalzeme Yüzeylelerinin Aktifleştirilmesi ve İncelenmesi, ODTU Biyomalzeme ve Doku Muhendisligi Mukemmeliyet Merkezi Calistayi, 16 December 2013, Ankara, Turkey
425. **Nesrin Hasirci**, TUBITAK Gen Muhendisligi ve Biyoteknoloji Enstitüsü Calistayi, Nano İlaç Taşıyıcılar ve Doku Destekleri Projeleri, 28-28 November, 2013, Gebze, Turkey
424. **Nesrin Hasirci**, Composites in Medical Applications, 'BEC2013 - BIOMED2013 'VIth International Bioengineering Congress' and 'XIXth International BIOMED Symposium', 12-15 November, 2013, Kusadasi, Turkey.
423. Filiz Kara, Eda Ayse Aksoy, Zehra Nur Yuksekdog, **Nesrin Hasirci**, Serpil Aksoy, Surface, Modification of Biomedical Polyurethanes with Chitosan for Antibacterial and Anti-Adhesive Purpose, 'BEC2013 - BIOMED2013'VIth International Bioengineering Congress' and 'XIXth International BIOMED Symposium', 12-15 November, 2013, Kusadasi, Turkey
422. **Nesrin Hasirci (Invited)**, BIOMATEN-Center of Excellence in Biomaterials and Tissue Engineering, Ministry of Health-METU TecnoPark, 8 November, 2013, Ankara, Turkey
421. **Nesrin Hasirci (Invited)**, Techniques for surface modification and characterization of biomaterials, 2013 MRS, Annual Meeting of Taiwan, 18-19 October, 2013, Chung-Li, Taiwan.
420. G. Eke, A.M. Kuzmina, A.V. Goreva, E.I. Shishatskaya, **N. Hasirci**, V. Hasirci, In vitro and In vivo Transport of PHBV Micro/Nanoparticles, European Symposium on Biopolymers - ESBP2013 in on the 7-9 October, 2013, Lisbon, Portugal.

PROF.DR. Nesrin Hasirci

419. Alagoz Ayse Selcen, Rodriguez-Cabello Jose Carlos, **Hasirci Nesrin**, Hasirci Vasif, Bone Tissue Engineering Using Macroporous PHBV-ELP Scaffolds, 25th European Conference on Biomaterials, 8-12 September, 2013, Madrid, Spain
418. Umran Aydemir Sezer, Deniz Billur, Gazi Huri, Pinar Yilgor Huri, Eda Ayse Aksoy, Vasif Hasirci, **Nesrin Hasirci**, Poly (ϵ -caprolactone) Scaffolds Containing Gentamicin Loaded Composite Microspheres, 25th European Conference on Biomaterials, 8-12 September, 2013, Madrid, Spain
417. **Nesrin Hasirci (Invited)**, Composite Materials in Medical Applications, 25th European Conference on Biomaterials, 8-12 September, 2013, Madrid, Spain
416. **N. Hasirci**, Micro and Nano Intelligent Systems for Drug Delivery, 44. IUPAC - International Union of Pure and Applied Chemistry, 11-16 August, Istanbul, Turkey,
415. S. Bagherifam, V. Hasirci, B. Nyström, G. W. Griffiths, G. M. Mælandsmo, **N. Hasirci**, pH Responsive Nanoparticles for Intracellular Release of Doxorubicin, 5th Iberian Meeting on Colloids and Interfaces, 26-28 June, 2013, Donostia-SanSebastian, Basque Country, Spain
414. Alagoz Ayse Selcen, Rodriguez-Cabello6 Jose Carlos, **Hasirci Nesrin**, Hasirci Vasif, Bone Tissue Engineering Using Macroporous PHBV-ELP Scaffolds, The European Chapter Meeting of the Tissue Engineering and Regenerative Medicine International Society (TERMIS-EU 2013), 17-20 June, 2013, Istanbul, Turkey
413. U. A. Sezer, E. A. Aksoy, V. Hasirci, **N. Hasirci**, Preparation and Characterization of Biodegradable Composite Systems as Hard Tissue Supports: Bone Fillers, Bone Regeneration Membranes and Scaffolds, The European Chapter Meeting of the Tissue Engineering and Regenerative Medicine International Society (TERMIS-EU 2013), 17-20 June, 2013, Istanbul, Turkey
412. S. Bagherifam, V. Hasirci, **N. Hasirci**, Nano Modifications for Sensitivity and Activity: pH Sensitivity and PEG'lation for Cancer Therapy, The European Chapter Meeting of the Tissue Engineering and Regenerative Medicine International Society (TERMIS-EU 2013), 17-20 June, 2013, Istanbul, Turkey
411. U. A. Sezer, T. Ozerkan, I. D. Gurhan, S. G. Iz, **N. Hasirci**, Semi-IPN Microspheres and Films as Drug Carriers: Sustained Release and Property Optimization, The European Chapter Meeting of the Tissue Engineering and Regenerative Medicine International Society (TERMIS-EU 2013), 17-20 June, 2013, Istanbul, Turkey
410. T. Endogan, V. Hasirci, **N. Hasirci**, Chitosan-PLGA Nanofibers Prepared by Electrospinning for Tissue Engineering Applications, The European Chapter Meeting of the Tissue Engineering and Regenerative Medicine International Society (TERMIS-EU 2013), 17-20 June, 2013, Istanbul, Turkey
409. **Nesrin Hasirci**, Biyomalzeme Mühendisliği ve Türkiye'de Biyomalzemeler, ODTÜ-Biyomedikal Günü, Biomedical Engineering Society, 21 Mayıs 2013, Ankara, Turkey
408. Arda Buyuksungur, Pinar Yilgor Huri, **Nesrin Hasirci** and Vasif Hasirci, Bioplotted Scaffolds for Bone Tissue Engineering, microCT User Meeting 2013, April 15-18, 2013, Hasselt, Belgium,
407. Eda Ayse Aksoy, Serpil Aksoy, Nuzhet Ayca Kalkan, **Nesrin Hasirci**, Preparation of Chitosan-Coated Magnetite Nanoparticles and Application for Immobilization of Laccase, Society for Biomaterials Annual Conference, 10-12 April 2013, Boston, USA
406. Umran Aydemir Sezer, Eda Ayse Aksoy, Vasif Hasirci, **Nesrin Hasirci**, Antimicrobial and Bioactive Composite Scaffolds for Bone Tissue Engineering, Society for Biomaterials Annual Conference, 10-12 April 2013, Boston, USA
405. **Nesrin Hasirci**, Biyoteknoloji Alanında Çin Modeli, Biyoteknoloji Ar-Ge ve Yenilik Stratejisi Çalışması, TTGV-Bilim Sanayi ve Teknoloji Bakanlığı Çalıştayı, 3 April, 2013, Ankara, Turkey
404. **Nesrin Hasirci**, Biyomalzemeler ve Doku Mühendisliği, Beş Açıdan Biyoloji-ODTÜ Biyogen topluluğu, 31 March, 2013, Ankara, Turkey
403. **Nesrin Hasirci**, Biyomalzemelerde Yüzeyin Önemi, Değiştirilmesi ve Karakterizasyonu, BIOMATEN Çalıştayı; 18-19 March 2013, Ankara, Turkey
402. **Nesrin Hasirci**, BIOMATEN Tanıtım Sunumu, Ankara Sanayi Odası Yönetim Kurulu ODTÜ Seminerleri, 16 January, 2013, **10:40---11:35 Merkezi Lab**, Ankara, Turkey

PROF.DR. Nesrin Hasirci

401. **Nesrin Hasirci**, Yeni Bir Düşünceden Katma Değere Geçiş, 2. EGE Ar-Ge ve Teknoloji Günleri, AreGE 2012, 28-30 November, 2012, İzmir, Turkey
400. **Nesrin Hasirci**, Biyoteknoloji İnovasyon Alanında Çin Modeli, Biyoteknoloji Sektörel İnovasyon Sistemi Çalıştayı, 24 November, 2012, Ankara, Turkey
399. Isil Saygun, Vehbi Bal, Aysel Kızıltay, Pinar Yilgor, Ferit Avcu, Kemal Üstün, Vasif Hasirci, **Nesrin Hasirci**, Çeşitli Büyüme Faktörü İçeren Nanokapsüllerle Hazırlanmış Üç Boyutlu Kitosan İskelet Yapılarının İnsan Mezenşimal Kök Hücrelerinin Proliferasyonu ve Osteojenik Farklılaşması Üzerine Etkisinin Değerlendirilmesi, Türk Periodontoloji Derneği 42. Bilimsel Kongresi ve 22. Sempozyumu, 8-10 November 2012, Ankara, Turkey (**Bu sunum, Poster Yarışması Birincilik Ödülü almıştır**)
398. **Nesrin Hasirci**, Kimyasal Yollarla Organ Yapabilir miyiz? ODTU'de Bilim Eglencelidir Senliği, 4 Nov, 2012, Ankara, Turkey
397. **Nesrin Hasirci**, Biomaterials and Tissue Engineering, Yakın Doğu Univ, Lefkosa, Northern Cyprus of Turkish Republic, 2 Nov, 2012
396. **Nesrin Hasirci**, Yenilikçilik ve Fikri Mülkiyet Hakları, Yakın Doğu Univ, Lefkosa, Northern Cyprus of Turkish Republic, 2 Nov, 2012
395. **Nesrin Hasirci**, Micro and Nano Carriers for Controlled Delivery of Growth Factors, International Symposium of Materials on Regenerative Medicine (2012 ISOMRM), August 29-31, 2012, Taipei, Taiwan
394. G. Eke, **N. Hasirci**, V. Hasirci, In vitro and In vivo Study of Biopolymer Based Micro/nanoparticles with Different Sizes for Transdermal Applications, Summer School & Workshop on Biomaterials and Regenerative Medicine, Bioinspired and biomimetic materials and scaffolds: from nature communication and design strategies, July 9th -13th, 2012, Riva del Garda, Trentino Region, Italy
393. Kızıltay A., Fernandez M. A., Roman San J., Sousa R.A., Reis R.L., Hasirci V., **Hasirci N.**, Poly(ester-urethane) Scaffolds with Variable Structures for Osteogenic Differentiation, 3rd TERMIS World Congress Tissue Engineering and Regenerative Medicine, Sept 5-8, 2012, Vienna, Austria
392. P. Yilgor Huri, G. Huri, Y. Ucar, **N. Hasirci**, V. Hasirci, In vivo Performance of Growth Factor Releasing Chitosan Scaffolds as Bone Substitutes, TERMIS World Congress Tissue Engineering and Regenerative Medicine, Sept 5-8, 2012, Vienna, Austria
391. Halili Ndreu A., **Hasirci N.**, Hasirci V., A 3D Artificial Meniscus Design for Meniscus Tissue Engineering, TERMIS World Congress Tissue Engineering and Regenerative Medicine, Sept 5-8, 2012, Vienna, Austria
390. **Nesrin Hasirci**, Laboratuvar, Klinik ve Urun Dongusunda Firsatlar ve engeller, Medikal Malzemeler ve Teknolojiler, Akademi Medikal Sektor Bilgi Paylasim Gunu, 28 June, 2012, Ankara, Turkey
389. Shahla Bagherifam, Vasif Hasirci, **Nesrin Hasirci**, Effect of Key Parameters on the Particle Size of Anhydride Based Nanocapsules "NanoMedicine", NanoTR8 Congress- 8th Nanoscience and Nanotechnology Congress, 25th to 29th of June, 2012, Ankara, Turkey
388. Albana Ndreu, **Nesrin Hasirci** and Vasif Hasirci, Tissue Engineering of Meniscus, 9th World Biomaterials Congress (WBC), June 1-5, 2012, Chengdu, China
387. Aysel Kızıltay, Angel M. Fernandez, Julio San Roman, Rui A. Sousa, Rui L. Reis, Vasif Hasirci and **Nesrin Hasirci**, Poly (ester-urethane) Scaffolds for BoneTissue Engineering, 9th World Biomaterials Congress (WBC), June 1-5, 2012, Chengdu, China
386. **Nesrin Hasirci, (Invited)** Chitosan-Gelatin/Hydroxyapatite Composite Scaffolds, 9th World Biomaterials Congress (WBC), June 1-5, 2012, Chengdu, China
385. Gokhan Bahcecioglu, Arda Buyuksungur, **Nesrin Hasirci** and Vasif Hasirci, Poly (L-Lactic Acid) -Based Meniscus Tissue Engineering, SkyScan User Meeting, 3-5 April, 2012, Brussels, Belgium
384. **N. Hasirci, (Invited)** Surface Modification Techniques for Biomaterials, Unesco Chair, International Course on Advances in Biomaterials and Bio-Nanotechnologies, 19-22 March, 2012, La Habana, Cuba
383. Pinar Yilgor Huri, Gazi Huri, Umit Yasar, Edibe Koc, Nurten Dikmen, Mahmut Nedim Doral, **Nesrin Hasirci**, Vasif Hasirci, Bone Regeneration Using BMP-2 and VEGF Releasing Biodegradable Scaffolds, The AAOS 2012 Annual Meeting, February 7-11, 2012, San Francisco, CA, USA

PROF.DR. Nesrin Hasirci

382. O. Ozgen, E. A. Aksoy, **N. Hasirci**, Polimetilmetakrilat'ın Plazma ile Yüzey Modifikasyonu ve Karakterizasyonu, Turkish Surface Science Society, Kış Çalıştayı, X-Işını Fotoelektron Spektroskopisi ve Uygulamaları, 25-27 Ocak 2012, İstanbul, Turkey
381. **N. Hasirci, (Invited)** Medikal Uygulamalarda ve Doku Mühendisliği Desteklerinde Yüzeyin Önemi, XXIII.Ulusal Biokimya Konferansı, 29-30 November, 2011, Adana, Turkey
380. **N. Hasirci, (Invited)** Importance of Surface in Biocompatibility, 17th International Biomedical Science and Technology Symposium, Biomed-2011, 23-25 November 2011, Ankara, Turkey
381. A. Kucukturhan, P. Yilgor, **N. Hasirci**, V. Hasirci, PLGA (50:50) Nano-microparticles as Bioactive Agent Carriers for the Treatment of Skin Diseases, 17th International Biomedical Science and Technology Symposium, Biomed-2011, 23-25 November 2011, Ankara, Turkey
380. P. Yilgor Huri, G. Huri, Y. Ucar, U. Yasar, K. Daglioglu, R.L. Reis, **N. Hasirci**, V. Hasirci, Effect of Pore Volume and Architecture of 3D Scaffolds on the Mechanical Properties of Regenerating Bone, 17th International Biomedical Science and Technology Symposium, Biomed-2011, 23-25 November 2011, Ankara, Turkey
379. Aysu Kucukturhan, Gozde Eke, **Nesrin Hasirci**, Vasif Hasirci, Nanoparticle Vehicles in Nanomedicine and Drug Delivery, 17th International Biomedical Science and Technology Symposium, Biomed-2011, 23-25 November 2011, Ankara, Turkey
378. Umran Aydemir, Eda Ayse Aksoy, **Nesrin Hasirci**, Poly(ϵ -caprolactone) 2D bone supports containing gentamicin loaded composite microspheres, 17th International Biomedical Science and Technology Symposium, Biomed-2011, 23-25 November 2011, Ankara, Turkey
377. Şeniz Uçar, Pınar Yılğör Huri, Vasif Hasirci, **Nesrin Hasirci**, Chitosan-Alginate Core/Shell Model Fibrous Scaffolds for Dual Growth Factor Delivery, 17th International Biomedical Science and Technology Symposium, Biomed-2011, 23-25 November 2011, Ankara, Turkey
376. Ozge Ozgen, E. Ayse Aksoy, Vasif Hasirci, **Nesrin Hasirci**, Variations of PMMA Surfaces by RF-Plasma Application, 17th International Biomedical Science and Technology Symposium, Biomed-2011, 23-25 November 2011, Ankara, Turkey
375. G. Cicek, E.A. Aksoy, **N. Hasirci**, Alpha-tricalcium Phosphate/Chitosan Composites for Hard Tissue Applications, 17th International Biomedical Science and Technology Symposium, Biomed-2011, 23-25 November 2011, Ankara, Turkey
374. Aysun Güney and **Nesrin Hasirci**, Biodegradable Polyurethanes as Potential Tissue Scaffold Materials, 17th International Biomedical Science and Technology Symposium, Biomed-2011, 23-25 November 2011, Ankara, Turkey
373. **N. Hasirci, (Invited)** Use of polymer-apatite composite scaffolds in hard tissue regeneration, 23rd Symposium and Annual Meeting of International Society for Ceramics in Medicine (BIOCERAMICS 23), November 6-9, 2011, İstanbul, Turkey
372. Umran Aydemir, E. Ayse Aksoy and **Nesrin Hasirci**, Antibiotic carrying β -Tricalcium phosphate/gelatin microspheres for treatment of bone defects, 23rd Symposium and Annual Meeting of International Society for Ceramics in Medicine (BIOCERAMICS 23), November 6-9, 2011, İstanbul, Turkey
371. Tugba Endogan, Aysel Kiziltay, **Nesrin Hasirci**, Mechanical thermal and bioactivity properties of acrylic bone cements containing HAp and chitosan, 23rd Symposium and Annual Meeting of International Society for Ceramics in Medicine (BIOCERAMICS 23), November 6-9, 2011, İstanbul, Turkey
370. Gulcin Cicek, E. Ayse Aksoy, Caner Durucan, **Nesrin Hasirci**, Effects of synthesis parameters on reactivity of alpha-tricalcium phosphate (α -TCP), 23rd Symposium and Annual Meeting of International Society for Ceramics in Medicine (BIOCERAMICS 23), November 6-9, 2011, İstanbul, Turkey
369. **N. Hasirci, (Invited)** Medikal alanda kullanılan nano sistemler ve biyomalzemelerde yapılabilecek nano modifikasyonlar, BIOTECH-2011- '2. Ulusal Biyoteknoloji Öğrenci Kongresi, 24-26 October 2011, İstanbul, Turkey
368. **N. Hasirci, (Invited)** Surface Modification of Polymeric Materials by Plasma Glow Discharge Application, XXXVIII Annual ESAO & IV Biennial IFAO Congress, 9-12 October 2011, Porto, Portugal

PROF.DR. Nesrin Hasirci

367. O. Ozgen, E.A. Aksoy, V. Hasirci, **N. Hasirci**, Effects of Plasma Glow Discharge on Chemistry of PMMA, XXXVIII Annual ESAO & IV Biennial IFAO Congress, 9-12 October 2011, Porto, Portugal
366. **Nesrin Hasirci, (Invited)** Importance of Surface in Medical Applications and in Tissue Engineering, Norwegian Chemical Society, NKS, 28-29 September, 2011, Lillestrøm, Norway
365. **Nesrin Hasirci, (Invited)** Türkiye kalp ve Damar Hastalıklarını Önleme ve Kontrol Programı Çalışma Grupları Toplantısı, Ankara, 13 September, 2011
364. Gozde Eke, **Nesrin Hasirci**, Vasif Hasirci, Biopolymer Based Nano-Microparticles as Drug Carriers for the Treatment of Skin Diseases, 24th European Conference on Biomaterials, September 4- 9, 2011, Dublin, Ireland
363. Gokhan Bahcecioglu, Albana Ndreu, **Nesrin Hasirci**, Vasif Hasirci, Characterization of Alginic Acid-Coated PLLA-PLGA Foams for Potential Tissue Engineering Use, 24th European Conference on Biomaterials, September 4- 9, 2011, Dublin, Ireland
362. Albana Ndreu, **Nesrin Hasirci**, Vasif Hasirci, Novel Scaffolds for Meniscus Tissue Engineering, 24th European Conference on Biomaterials, September 4- 9, 2011, Dublin, Ireland
361. Ozge Ozgen, Eda Ayse Aksoy, Vasif Hasirci, **Nesrin Hasirci**, Nano Scale Surface Modification of PMMA Films for Biomedical Applications, NanoTRVII-7th Nanoscience and Nanotechnology Conference, June 27 - July 1, 2011, Istanbul, Turkey
360. Gokhan Bahcecioglu, Albana Ndreu, **Nesrin Hasirci**, Vasif Hasirci, Characterization of Alginic Acid-Coated PLLA-PLGA Foams For Potential Use in Tissue Engineering of the Meniscus, TERMIS-Tissue Engineering and regenerative Medicine Society, 7-10 June, 2011, Granada, Spain
359. Albana Ndreu, Gokhan Bahcecioglu, **Nesrin Hasirci**, Vasif Hasirci, reating a mechanically functional design for partial meniscus replacement, TERMIS-Tissue Engineering and regenerative Medicine Society, 7-10 June, 2011, Granada, Spain
358. **N. Hasirci, (Invited)** Nano systems for controlled release of bioactive agents, BIOMATEN Workshop on Novel Developments in Biomedical Applications, 26 May 2011, Ankara, Turkey
357. **N. Hasirci, (Invited)** Antibacterial, Antithrombogenic, Bioactive and Biocompatible Surfaces for Medical and Industrial Applications, TuSSS Mini-Workshop on Surface Science, 23 May, 2011, Ankara, Turkey
356. O. Ozgen, E.A. Aksoy, V. Hasirci, **N. Hasirci**, Plasma Surface Modification of PMMA Films for Biomedical Applications, TuSSS Mini-Workshop on Surface Science, 23 May, 2011, Ankara, Turkey
355. F. Kara, E.A. Aksoy, **N. Hasirci**, S. Aksoy, Surface Modification of Biomedical Polyurethanes to Achieve Antibacterial Activity, TuSSS Mini-Workshop on Surface Science, 23 May, 2011, Ankara, Turkey
354. **N. Hasirci, (Invited)** Medikal Uygulamalarda Biyomalzemeler ve Biyoaktif Yüzeyler, Transdisipliner Günlük 2, 7 May 2011, Istanbul, Turkey
353. **N. Hasirci**, General Properties of Materials and Biomedical Applications, Biyomekanik Biyomalzemeler ve Biomatlen Toplantısı, ODTU, 2 May 2011, Ankara, Turkey
352. **N. Hasirci** and V. Hasirci, 5th ODTÜ ARGE GÜNLERİ, Biomatlen ve Biyomalzemeler, 29-30 April, 2011, Ankara Turkey
351. **N. Hasirci**, Yenilikçilik, 23. Türkiye Üniversiteleri Sağlık Enstitüsü Müdürler Toplantısı, 26-28 April, 2011, Izmir, Turkey
350. **N. Hasirci** and V. Hasirci, SkinTreat 30th month meeting, WP2: Self-assembled novel nano drug delivery systems, 5-6 April 2011, Pisa, Italy
349. **N. Hasirci**, Polimerlerin Biomedikal Kullanımları, Hacettepe Univ., 4 Mart 2011, Ankara, Turkey
348. **N. Hasirci**, Biyomalzemeler, BIOMATEN Opening Meeting, 23 February 2011, Ankara, Turkey
347. Endogan T, Ozyaylalı I, Kulacoglu H, Serbetci K, Kıyak G, **Hasirci N**, Effect Of Ethylene Oxide Resterilization And In-Vitro Degradation On Mechanical Properties Of Partially Absorbable Composite Hernia Meshes, International Congress of European Hernia Society, October 6-9, 2010, Istanbul, Turkey

PROF.DR. Nesrin Hasirci

346. A. Kucukturhan, G. Eke, P. Yilgor, **N. Hasirci**, V. Hasirci, Polyester Based Nanoparticles as Bioactive Agent Carriers for the Treatment of Skin Diseases, The 16th International Biomedical Science & Technology Symposium (BIOMED 2010), September 29 - October 2, 2010, Istanbul, Turkey.
345. Elif Vardar, Vasif Hasirci, **Nesrin Hasirci**, Investigation of Cell Migration and Proliferation in Agarose Based Hydrogels For Tissue Engineering Applications, The 16th International Biomedical Science & Technology Symposium (BIOMED 2010), September 29 - October 2, 2010, Istanbul, Turkey.
344. A. Kiziltay, A.M. Fernandez, J. San Roman, Rui A. Sousa, Rui L. Reis, V. Hasirci, **N. Hasirci**, Lysine Based Poly(ester-urethane) Scaffolds for Bone Tissue Engineering, The 16th International Biomedical Science & Technology Symposium (BIOMED 2010), September 29 - October 2, 2010, Istanbul, Turkey.
343. P. Yilgor, G. Yilmaz, M.B.Onal, S.Keskil, R.A.Sousa, R.L.Reis, **N.Hasirci**, V.Hasirci, Controlled Release of BMP-2 and BMP-7 from Bioploted Scaffolds Enhances Bone Regeneration *in vivo*, 23rd European Conference on Biomaterials, 11-15th September, 2010, Tampere, Finland
342. **Nesrin Hasirci**, (Invited) Natural Scaffolds Materials-Including NatCom mini-project, First Scientific Meeting of the European Institute of Excellence for Tissue Engineering and Regenerative Medicine, 26-27 July, 2010, Guimares, Portugal
341. A. Kiziltay, A.M. Fernandez, J. San Roman, Rui A. Sousa, Rui L. Reis, V. Hasirci, **N. Hasirci**, Lysine Based Poly(ester-urethane) Scaffolds for Bone Tissue Engineering, First Scientific Meeting of the European Institute of Excellence for Tissue Engineering and Regenerative Medicine, 26-27 July, 2010, Guimares, Portugal
340. Cansel Isikli, Vasif Hasirci, **Nesrin Hasirci**, Characterization of Three-Dimensional Chitosan-Gelatin/Hydroxyapatite Scaffolds for Bone Tissue Engineering Approaches, First Scientific Meeting of the European Institute of Excellence for Tissue Engineering and Regenerative Medicine, 26-27 July, 2010, Guimares, Portugal
339. D. Yucel, H. Kenar, O. Karadas, B. Bayyurt, G. Torun Kose, **N. Hasirci**, V. Hasirci, Fetal Stem Cells in Tissue Engineering Applications, First Scientific Meeting of the European Institute of Excellence for Tissue Engineering and Regenerative Medicine, 26-27 July, 2010, Guimares, Portugal
338. T. Endogan, E. Carletti, A. Motta, V. Hasirci, **N. Hasirci**, C. Migliaresi, Microfabrication of Chitosan and PLGA scaffolds, First Scientific Meeting of the European Institute of Excellence for Tissue Engineering and Regenerative Medicine, 26-27 July, 2010, Guimares, Portugal
337. **Nesrin Hasirci**, Medikal Polimerlerde Yüzeyin Önemi, 24. Ulusal Kimya Kongresi, KİMYA 2010, 29 Haziran- 2 Temmuz 2010, Zonguldak Karaelmas Üniversitesi, Turkey
336. E. Vardar, V. Hasirci, **N. Hasirci**, Cell Adhesion, Proliferation and Diffusion in Semi-IPN Agarose Hydrogels Containing Chitosan and Alginate Acid, Tissue Engineering and Regenerative Medicine International Society, TERMIS-2010, 13-17 June 2010, Galway, Ireland
335. C. Işıklı, V. Hasirci, **N. Hasirci**, Development of Porous Chitosan-Gelatin / Hydroxyapatite Composite Scaffolds for Hard Tissue Engineering Applications, Tissue Engineering and Regenerative Medicine International Society, TERMIS-2010, 13-17 June 2010, Galway, Ireland
334. C. Işıklı, V. Hasirci, **N. Hasirci**, Characterization of Three-Dimensional Chitosan-Gelatin/Hydroxyapatite Scaffolds for Bone Tissue Engineering Approaches, Vth International Bioengineering Congress, 16-19 June 2010, İzmir, Turkey, **The best poster award in biomedical area**
333. **Nesrin Hasirci**, Nano-modifications of Polymeric Systems for Medical Purposes, Vth International Bioengineering Congress, 16-19 June 2010, İzmir, Turkey
332. Nuzhet Ayca Kalkan, Eda Ayse Aksoy, Serpil Aksoy, **Nesrin Hasirci**, Chitosan Coated Magnetic Nanoparticles for Adsorption of Laccase, 6th Nanoscience and Nanotechnology Conference, NanoTR-VI, 15-18 June 2010, Cesme, Turkey
331. Gözde Eke, Aysu Kucukturhan, Sinem Kardesler, Pinar Yilgor, **Nesrin Hasirci**, Vasif Hasirci, Nanoparticles as Drug Carriers for the Treatment of Skin Diseases, 6th Nanoscience and Nanotechnology Conference, NanoTR-VI, 15-18 June 2010, Cesme, Turkey
330. **Nesrin Hasirci**, Nano Alterations of Macro Systems in Biomedicine, 6th Nanoscience and Nanotechnology Conference, NanoTR-VI, 15-18 June 2010, Cesme, Turkey

PROF.DR. Nesrin Hasirci

329. **N.Hasirci**: Organization Commitee member, 2. Biyomalzeme ve Doku Mühendisliđi Derneđi alıřtayı, Biyomedikal Malzemeler ve Trkiye, 28 Mayıs2010, Ankara, Turkey
328. **Nesrin Hasirci, (Opening Lecture)** Arařtırmadan Patente Giden Yolculuk, niversite - Sanayi İřbirliđinde nemli Bir Ara: Teknoloji Transfer Arayzleri, Trkiye Teknoloji Geliřtirme Vakfı-TTGV Semineri 26 May 2010, Ankara
327. **Nesrin Hasirci, (Opening Lecture)** Medikal Alanda Kullanılan Polimerler: Mikro ve Nano Tasarımlar, III. Polimer Kongresi, 12-14 May 2010, İzmit Kocaeli
326. Aysu Kkturhana, Pınar Yılgr, **Nesrin Hasirci**, Vasıf Hasirci, Poli(laktik asit-ko-glikolik asit) (PLGA) Nano-Mikroparacıkların Deri Hastalıkları Tedavisi İin İla Salım Sistemleri Olarak Tasarımı, III. Polimer Kongresi, 12-14 May 2010, İzmit Kocaeli
325. A. Kızıltay, A.M. Fernandez, J. San Roman, V. Hasirci, **N. Hasirci**, Biyobozunur L-lizin Temelli Poli(ester-retan) Matrislerin Karakterizasyonu ve Biyoyumluluđu, III. Polimer Kongresi, 12-14 May 2010, İzmit Kocaeli
324. T. Endođan, V. Hasirci, **N. Hasirci** Kemik Doku Mhendisliđine Ynelik Destek Yapılar, III. Polimer Kongresi, 12-14 May 2010, İzmit Kocaeli
323. E. A. Aksoy, V. Hasirci, **N. Hasirci**, Biyomedikal Amalı Poliretan Sentezi, Karakterizasyonu ve Kan Uyumluluđunun Geliřtirilmesi, III. Polimer Kongresi, 12-14 May 2010, İzmit Kocaeli
322. N.A Kalkan, S. Aksoy, **N. Hasirci** Kitosan Kaplı Manyetik Nanoparacıklara Kovalent Bađlanma Yntemi ile Lakkaz Enziminin İmmobilizasyonu, III. Polimer Kongresi, 12-14 May 2010, İzmit Kocaeli
321. . Yamak, N.A. Kalkan, H. Altınok, S. Aksoy, **N. Hasirci** Lakkaz Enziminin Yarı İ-İe Gemiř Ađ Yapılı Polimerlerde Hapsetme Yntemiyle İmmobilizasyonu ve İmmobilize Lakkazlarla Asit Oranj 52' nin Renginin Giderilmesi, III. Polimer Kongresi, 12-14 May 2010, İzmit Kocaeli
320. **Nesrin Hasirci**, Micro and Nano Modifications of Medical Materials, Koc Univ, 6 May 2010, Istanbul
319. **Nesrin Hasirci**, İnovasyon Tnelinde Uzun Bir Yolculuk, Eskiřehir İli İnovasyon Stratejileri İin Kapasite Oluřturma Projesi (ESİNKAP) kapsamında 2. Ar-Ge Proje Pazarı, 29-30 Nisan 2010, Eskişehir
318. . A. Kızıltay, A.M. Fernandez, J. San Roman, V. Hasirci, **N. Hasirci**, Doku Mhendisliđine Ynelik Biyobozunur Poli(ester-retan) Sentezlenmesi, Karakterizasyonu ve Biyoyumluluđu, Biyomedikal Mhendisliđi Ulusal Toplantısı-BİYOMUT 2010, 21-24 April 2010, Antalya
317. C. Iřıklı, T. Endogan, A. Kızıltay, V. Hasirci, **N. Hasirci**, Dogal Polimer Temelli Kompozit Filmlerin Sert Doku Mhendisliđine Yonelik Hazirlanmasi ve Karakterizasyonu, Biyomedikal Mhendisliđi Ulusal Toplantısı-BİYOMUT 2010, 21-24 April 2010, Antalya
316. E. Vardar, T. Endođan, A. Kızıltay, V. Hasirci, **N. Hasirci**, Oksijen Plazmasının poly(lactic-co-glycolic acid) (PLGA) Filmlerinin Yzey zellikleri ve Biyoyumluluđu zerindeki Etkisi, Biyomedikal Mhendisliđi Ulusal Toplantısı-BİYOMUT 2010, 21-24 April 2010, Antalya
315. Vasif Hasirci, Nuri Akkař, **Nesrin Hasirci**, Exploitation Strategy Seminar, Project SkinTreat, 16 April, 2010, Paris, France
314. **Nesrin Hasirci**, Bařarı Hikayesi, Tbitak Ulusal Arařtırma Destekleri, Arařtırma Bilgi Gnleri, 16 Mart 2010, ODTU, Ankara Trkiye
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PROF.DR. Nesrin Hasirci

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PROF.DR. Nesrin Hasirci

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PROF.DR. Nesrin Hasirci

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PROF.DR. Nesrin Hasirci

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PROF.DR. Nesrin Hasirci

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231. **Nesrin Hasirci**, Sektör sector Ar-Ge, Sektörler buluşuyor, Panel yöneticisi: Kimya sektöründe Ar-Ge paneli, Katilimcilar: Feray Emil (Universal Kimya), Ilkin Ece Telli (Polinas Plastik), Rezzan Karaaslan (Setaş Kimya), Mutlu Sezen (Korteks Ar-Ge), 1-2 Nisan 2008, Ankara,
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PROF.DR. Nesrin Hasirci

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PROF.DR. Nesrin Hasirci

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- 22- Gulhan Isik - (Co-supervisor, BTEC) Development and Characterization of PEG PEG-b-PCL Micelles Carrying Anticancer Agents (Feb, 2022)
- 21- Senem Heper- (Co-supervisor, BTEC) Patient-Specific Orthopedic Implant Design and Production with Tissue Engineering Method, Sept, 2019 (**Awarded by Enstitute of Natural and Applied Sciences as the Best Thesis of the year**).
- 20- Gokhan Bahcecioglu - (Co-supervisor, BTECH) Tissue engineering of a PCL/Collagen based, rapid prototyped 3D-meniscus, 2018 (**Awarded by Enstitute of Natural and Applied Sciences as the Best Thesis of the year**).
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- 16- Shahla Bagherifam – (PST) pH Responsive Nanocarriers for Anti Cancer Drug Delivery, Sept, 2013.
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- 14- Ndreu Albana – (Co-supervisor, BTECH) Collagen-based Tissue Engineered Meniscus: Design and Application, September, 2011.
- 13- Aysel Kiziltay – (BTECH) Biodegradable Poly(ester urethane) Scaffolds for Bone Tissue Engineering, September, 2011
- 12- Pinar Yilgor – (BTECH) Sequential growth factor delivery from polymeric scaffolds for bone tissue engineering, September, 2009 (**Awarded by Enstitute of Natural and Applied Sciences as the Best Thesis of the year**)
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- 9- **Asli Muvaffak** – (BTECH) Controlled Release Systems for Anticancer Drugs and Drug Targeting in Cancer Therapy, 2003 (**Awarded by Parlar Foundation as the Best Thesis of the year**)
- 8- **Ayer Burke** (Co-supervisor, Eastern Mediterranean University, CHEM) - Chitosan: An Iron-Chelating Agent and a Controlled Release System for Iron-Chelating Drugs, Desferal and Deferiprone, (supervisor:Elvan Yilmaz), 2002
- 7- **Kemal Serbetci** - (Co-supervisor, ENGSCI-ES) Formulation and Biomechanical Evaluation of Bone-cements, 2001 (**Awarded by Parlar Foundation as the Best Thesis of the year**)
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- 4- **Hanife Akin**- (CHEM) Controlled Release of an Herbicide from Gelatin Microspheres, 1993
- 3- **Husniye Demircioglu**- (CHEM-EDS) Immobilization of Urease in Various Polymeric Matrices, 1993
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- 1- **Gunay Demirel**- (Co-supervisor, CHEM) Studies with Urease Immobilized Uncoated and Plasma Polymer HMDS Coated Activated Charcoal, 1989

M.S. Theses Supervised

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- 50- **Yağmur Çulhacıoğlu** – (Co-supervisor, Chem Eng.) Supercritical Carbon Dioxide Processing of Biocompatible and Biodegradable Poly(L-Lactic Acid) And Acetylated Sugar Systems, July, 2019.
- 49- **Elbay Malikmammadov** – (MNT) Wet-spun PCL scaffolds for tissue engineering, Sep, 2017.
- 48- **Onur Hastürk**- (Co-supervisor, BTEC) Influence of micropatterns on human mesenchymal stem cell fate (2016) (**Awarded by Institute of Natural and Applied Sciences as the Best Thesis of the year 2016**)
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- 46- **Ayla Sahin**- (Co-supervisor, BTEC), In vitro characterization and nuclear delivery of Poly(3-Hydroxybutyric Acid-Co-3-Hydroxyvaleric Acid) (PHBV) based nanoparticles, Sept, 2015.
- 45- **Günay Bedriye Büşra** (Co-supervisor, BTEC) A polymeric implant for lumbar bone defects, Sept, 2015.
- 44- **Ceren Cokca**- (BME) The effects of doxorubicin containing poly (sebacic anhydride) nanocapsules on glutathion s-transferase activity, May, 2015
- 43- **Zeynep Gundogan**- (CHEM) Layer-by-layer Films for Biomedical Applications, February, 2015.
- 42- **Senem Heper** (Co-supervisor, BTEC) Controlled doxorubicin delivery from photoresponsive liposomes carrying vitamin derivatives, Sept, 2014.
- 41- **Şeniz Uçar**- (CHEM) Polymeric Scaffolds for Bioactive Agent Delivery in Bone Tissue Engineering, October 2012.
- 40- **Aysu Küçükurhan** – (BME) Bioactive Agent Carrying PLGA Nanoparticles in the Treatment of Skin Diseases, July 2012.
- 39- **Aysun Güney** – (PST) Composition-Property Relationship of PCL Based Polyurethanes, February 2012.
- 38- **Gülçin Çiçek**- (BME) Synthesis Characterization and Modification of α -Tricalcium Phosphate Based Bone Supporting Systems, February 2012.
- 37- **Umran Aydemir Sezer**- (BME) Preparation and Characterization of Biodegradable Composite Systems as Hard Tissue Supports: Bone Fillers, Bone Regeneration Membranes and Scaffolds, February 2012
- 36- **Özge Özgen**- (PST) Plasma Surface Modification and Characterization of PMMA Films, December 2011

PROF.DR. Nesrin Hasirci

- 35- **Birsen Demirbağ** (Co-Supervisor, BIOTECH) - Controlled Drug Delivery from Suprofen Incorporated Liposomes upon UV Exposure, December, 2011
- 34- **Gokhan Bahcecioglu** (Co-Supervisor, BIOTECH) - Poly (L-lactic) acid (PLLA) Based Meniscus Tissue Engineering, November, 2011
- 33- **Gözde Eke** (Co-Supervisor, MNT) - Biopolymer Based Micro/Nanoparticles as Drug Carriers for the Treatment of Skin Diseases, October, 2011
- 32- **Elif Vardar**- (BME) Investigation of Cell Migration and Proliferation in Agarose Based Hydrogels for Tissue Engineering Applications, July, 2010
- 31- **Ayça Nüzhet Kalkan** (Co-supervisor, Gazi Univ. CHEM), Use of Chitosan Coated Magnetic Nanoparticles in Laccase Immobilization and Reactive Dye Adsorption, January, 2010
- 30- **Cansel Işıklı**- (BME) Preparation and Characterization of Chitosan-Gelatin-Hydroxyapatite Scaffolds for Hard Tissue Engineering Approaches, January, 2010
- 29- **I. Doğan Gunbaş** – (PST) Preparation and Characterization of Chitosan- Polyethylene glycol Microspheres and Films for Biomedical Applications, September 2007
- 28- **Taylan Ozerkan** – (PST) Preparation of Chitosan- Polyvinylpyrrolidone Microspheres and Films for Controlled Release and Targeting of 5-Fluorouracil, September 2007
- 27- **Kübra Kamışoğlu** (Co-supervisor, CHE) - Synthesis of zeolite-polymer composites for biological Applications, July 2007.
26. **Albana Ndreu** (Co-supervisor, BIOTECH) – Electrospun Nanofibrous Scaffolds for Tissue Engineering, Jan. 2007 (**Awarded by Graduate School of Natural and Applied Sciences as the Best Thesis of the year**)
- 25- **Sinan Guven** – (BTEC) Integrated Biomimetic Scaffolds for Soft Tissue Engineering, July 2006.
- 24- **Canturk Ozcan**- (CHEM) Surface Free Energy Evaluation, Plasma Surface Modification and Biocompatibility Studies of PMMA Films, July 2006.
- 23- **Fatma Esra Pinardag**- (CHEM) Modified Acrylic Hydrogels as Controlled Release Systems, May 2006.
- 22- **Tugba Endogan**- (CHEM) Preparation and Characterization of Acrylic Bone Cements, 2005.
- 21- **Burcu Basgorenay** – (PST) Preparation and Characterization of Hydroxyapatite containing Acrylic Bone Cements, December 2004
- 20- **Umit Hakan Yildiz** – (CHEM) Covalent Immobilization of Glucose isomerase on poly(2-hydroxyethyl methacrylate) particles, 2004
- 19- **Beyza Uylukcuoglu** – (CHEM) Chitosan Microspheres and Films Used in Controlled Release, (Co-supervisor: Prof. Dr. E. Yilmaz), 2003
- 18- **Yeliz Tunc** – (Co-advisor, PST) Binding Characteristics of Molecularly Imprinted Polymers Selective for Theophylline, 2003
- 17- **Aysel Kiziltay** – (BTECH) Gelatin Based Drug Release Systems for Thalassemia Treatment, 2003
- 16- **Isil Teoman** - (CHEM) Polyvinyl pyrrolidone membranes as wound dressing materials, 2003
- 15- **Yesim Ozdemir**- (CHEM) Polyurethane surface modification and protein adsorption, 2001
- 14- **Ebru Aksu** – (BTECH) Gelatin sponges as wound dressing materials, 2000
- 13- **Bugce Albayrak**- (BTECH) Controlled Release of Insulin from Chitosan Microspheres, (Co-supervisor: Assoc. Prof. Dr. E. Yilmaz), 2000
- 12- **Nesrin Kayirhan**- (PST) Adsorption of Blood Proteins on Modified Polyurethane Membranes, 1999
- 11- **Banu Yilmazturk**- (PST) Temperature and pH Responsive Hydrogels, 1998
- 10- **Aylin Celik**- (PST) Preparation and Characterization of Polyvinyl pyrrolidone Membranes, 1998
- 9- **Hatice Bilgiç**- (BTECH) Biological Color Treatment of Pulp and Paper Industry Effluents, (Co-supervisor) 1997
- 8- **Pelin Karakaya**- (BTECH) Effect of Filter Media and Backwash on Biomass Retention and Soluble Substrate Removal in Biologically Active Rapid Filters, 1997
- 7- **Hasan Bilokcuoglu** - (CHEM) Controlled Release of 2,4-D Through Polymeric Microspheres, 1992

PROF.DR. Nesrin Hasirci

- 6- **Kezban Ulubayram** - (CHEM) Development and Characterization of Polyetherurethanes as Biomaterials, 1990
- 5- **Ilknur Ekici** – (CHEM) Permeabilities of some Chemicals through Polymeric Membranes for Controlled Release Applications, 1990
- 4- **Sezer Kutay** - (CHEM) Polyurethanes as Skin Graft Candidates, 1989
- 3- **Hami Alyanak** - (CHEM) Contact Lens Materials: Synthesis and Characterization, 1989
- 2- **Hanife Akin** - (CHEM) Synthesis and Permeability Properties of Hydrogel Channels Containing Membranes, 1988
- 1- **Ayer Burke** - (CHEM) Polyetherurethane Skin Substitutes, 1986

Completed Projects:

FP-6 Projects (On going):

6. **Tubitak-1071-International Collaboration Projects Research Support: DegraMAG-** Controlling the Degradation Rate of Mg Alloys Used for Temporary Implants by Thin Film Metallic Glasses (Magnezyum Alařımlarından Yapılan Biyobozunur İmplantların Bozunma Hızının İnce Film Metalik Camlarla Kontrolü), Budget: 2.180.000 TL. (Türkiye, Romania collaboration) 2025-2027.

FP-6 Projects (Completed):

5. **Eranet RUS-PLUS INNOVATION: Coat-DecraBac-**Biodegradable and non-biodegradable orthopaedic implants with bactericidal coatings and controlled degradability, (Türkiye, Romania, Russia, Germany collaboration-2020-2022).
4. Researcher in ‘**SkinTreat- Novel approaches for the development of customized skin treatments and services**’ Total Number of Groups: 15, Overall Budget: 4.997.237 €. Jan 2008-Jan 2011
3. Researcher in ‘‘**Cornea Engineering- STREP Project**’’ Jan 2004-Jan 2007 Total Number of Groups:14, Overall Budget: 2558797 €
2. Researcher in ‘‘**BioPolySurf- RTN Project**’’ October 2004-2008, Total Number of Group: 14, Overall Budget: 3473926 €
1. Researcher in ‘‘**ExperTissues- NoE Network of Excellence Project**’’ October 2004-2010, Total Number of Groups: 18, Overall Budget: 7300000 €

FP-6 Projects found successful in the first evaluation:

1. **Intelligent Nano-molecular multi structured biomaterials for oral regeneration- Nanoman (STREP)** Biomimetic molecular structures and nano-structured materials for regenerative medicine- NANOMAN, Director: Prof. Dr. Anka Letic-Gavrilovic, University Tor Vergata Post graduate school of Plastic and Reconstructive Surgery, Italy – 2004, Number of Groups:38, Total Budget: 2.181.300 Euro
2. **Biomaterials with Micropatterned architecture for Tissue engineering and biomimetic applications- Nanoarchitecture, (STREP)**, Director: Prof.Dr. V. Hasirci, METU, Turkey – 2004, Number of Groups: 23, Total Budget: 14.102.100 Euro

Research projects:

153. **Nesrin Hasirci** (Researcher), 3B Basımla Üretilen Yapay Korneanın In Vivo Uygulanması ve Translasyonu, **TÜSEB** (Proje no: 11745), 01.04.2022- 01.04.2024, Bütçe: 1.139.698,40 TL
152. **Nesrin Hasirci** (Researcher), Mikrodesezli Yüzey Üzerinde Sinir Doku Modeli Olusturulması, Akson Yonlendirme ve Sinir Hasarı İyileşme Surelerinin İncelenmesi, **TUBITAK**, (Proje No: 120R071). 01.07.2021-01.07.2024, Bütçe: 1.397.041,65 TL
151. **Nesrin Hasirci** (Co-advisor), Gülhan Işık, Kansere hedefli ve antikanser ilaç bağı polimerik misellerin geliştirilmesi ve karakterizasyonu, **METU- GAP-310-2019-10184**, Başlama tarihi: 31.12.2019- Bitiş: 30.06.2021, Bütçe: 51.929,16 TL
150. **Nesrin Hasirci** (Co-advisor), Seray Bostancı, Hastaya Özel 3B Basılmış Deri İmplantının Geliştirilmesi, **METU- GAP-310-2021-10645**, Başlama Tarihi: 01.02.2021 Onaylanan Bütçesi: 40.000,00 TL
149. **Nesrin Hasirci** (Researcher), **ERA.Net RUS Plus** (RUS_INNO2017-031) (**CoatDegrabac**) Biodegradable and non-biodegradable orthopedic implants with bactericidal coatings and controllable degradability, **TUBITAK** (Proje No: 9180035). 01.07.2018-01.07.2021.
148. **Nesrin Hasirci** (Researcher), 3B Yazıcı ve Liyofilizasyon ile Üretilmiş İskeleler Kullanılarak Kemik Tümörü Modeli Geliştirilmesi, **TUBITAK** 215M621, 01/04/2016 - 01/04/2018, Uluslararası
147. **Nesrin Hasirci** (Consulter), Polimerik Hücre Taşıyıcıların Topografisinin ve Meningeal Hücrelerin Mezenkimal Kök Hücre Farklılaşması Üzerine Etkileri, 3501 – Kariyer Projesi Yürütücü: Deniz Yücel, **TUBITAK** 113S870, 15/04/2014 - 15/04/2017, Bütçe 225.000 TL
146. **Nesrin Hasirci** (Coordinator), Patient-specific orthopedic implant design and production with tissue engineering method (Doku Mühendisliği Yöntemi İle Hastaya Özel Ortopedik İmplant Tasarımı ve Üretimi), **TUBITAK** 1003 projesi, 213M708, 2014-2016, Bütçesi 638.100TL
145. **Nesrin Hasirci** (Coordinator), Construction of a Bilayer Skin Model from Collagen and NaCMC using Tissue Engineering (Doku Mühendisliği Yöntemi İle Kollajen ve NaCMC Kullanılarak Çift Katmanlı Deri Modeli Olusturulması), **TUBITAK** 213M651, 2015-2016, Bütçesi 30.000 TL
144. **Nesrin Hasirci** (Coordinator), İpek Düzenli: Dental doku mühendisliği için çift katmanlı PCL bazlı doku iskeleleri; BAP-07-02-2014-007-336, 01.01.2014- 31.12.2015, 1.250,00 TL
143. **Nesrin Hasirci** (Coordinator), Ceren Çokca, Polisebasik anhidrit bazlı nano kapsüllerin hazırlanması, farklı parametrelerin ilaç yükleme kapasitesi ve salım profiline etkisinin incelenmesi; BAP-07-02-2014-007-267, 01.01.2014- 31.12.2015, 1.250,00 TL
142. V. Hasirci, Makro Gözenekli PHBV-ELP İskelelerin Kemik Doku Mühendisliğinde Kullanımı, Araştırmacılar: **N. Hasirci**, A. Kömez, Doç. Dr. T. Baran, Doç. Dr. Ü. Erdem (GATA), **OGEK**, BAP-08-11-2013-014, 2013-2015, Bütçesi: 10.000TL.
141. **Nesrin Hasirci** (Coordinator), Elbay Malikmammadov: Doku mühendisliği amaçlı ıslak eğrilmiş pel yapı iskeleleri, BAP-07-02-2014-007-507, 01.01.2014- 31.12.2015, Bütçesi: 1.250,00 TL
140. Levent Toppare, Ali Çırpan, Teoman Tinçer, İrem Erel, **Nesrin Hasirci**: Tiyofer ve selenofer türevleri sentezi, elektrokromik ve güneş gözesi uygulamaları, BAP-01-03-2015-001, 01.01.2014-31.12.2015, Bütçesi:70.150,00 TL
139. V. Hasirci, Biyomalzeme ve Doku Mühendisliği Mükemmeliyet Merkezi (BIOMATEN) DPT, BAP0811DPT2011K120350, 2011-2015, 2014 yılı Bütçesi:700.000TL, Araştırmacılar: **N. Hasirci**, C. Durucan, A. Tezcaner, D. Keskin, C. Özen, E. Tönük, S. Gürses
138. V. Hasirci, Bazı omurga sorunlarına çözüm olmak için biyoaktif polimerik kafes tasarımı ve in vitro testlerle biyoyumluluğun incelenmesi, MIGEP BAP-08-11-DPT-2012-K120870, 2013-2015, Bütçesi 10.000TL, **N. Hasirci**, B. Günay (Araştırmacı) (Gözükara Medikal)
137. V. Hasirci, Retina Hasarlarının Tedavisinde Kullanılmak Üzere Doku Mühendisliği Yöntemiyle Yapay Bruk Membranı Kontrüksiyonu, OGEK, BAP-08-11-2013-039, 2013-2015, Bütçesi 10.000 TL, Prof. Dr. **N. Hasirci**, A. S. Alagöz, (Araştırmacı), GATA, Prof. Dr. C. Yıldız

PROF.DR. Nesrin Hasirci

136. Nesrin Hasirci (Coordinator), Patient-specific orthopedic implant design and production with tissue engineering method (Doku Mühendisliği Yöntemi İle Hastaya Özel Ortopedik İmplant Tasarımı ve Üretimi), Tübitak 213M708, Bütçesi 638.100TL,
135. Nesrin Hasirci (Coordinator), Construction of a Bilayer Skin Model from Collagen and NaCMC using Tissue Engineering (Doku Mühendisliği Yöntemi İle Kollajen Ve NaCMC Kullanılarak Çift Katmanlı Deri Modeli Oluşturulması), Tübitak 213M651, Bütçesi 30.000TL,
134. Nesrin Hasirci (Researcher), Biyomalzeme Ve Doku Mühendisliği Mükemmeliyet Merkezi (BIOMATEN) DPT, BAP0811DPT2011K120350, 2011-2015, 2014 yılı Bütçesi 700.000TL, N. Hasirci, C. Durucan, A. Tezcaner, D. Keskin, C. Özen, E. Tönük, S. Gürses (Araştırmacılar)
133. Nesrin Hasirci (Researcher), Bazı omurga sorunlarına çözüm olmak için biyoaktif polimerik kafes tasarımı ve in vitro testlerle biyoyumluluğun incelenmesi, MIGEP BAP-08-11-DPT-2012-K120870, 2013-2015, Bütçesi 10.000TL, Prof. Dr. N. Hasirci B. Günay (Araştırmacı) (Gözükara Medikal)
132. Nesrin Hasirci (Researcher), Makro Gözenekli PHBV-ELP İskelelerin Kemik Doku Mühendisliğinde Kullanımı, OGEK, BAP-08-11-2013-014, 2013-2015, Bütçesi 10.000TL, A.Kömez, Araştırmacı, Doç. Dr. T.Baran, GATA, Doç. Dr. Ü. Erdem
131. Nesrin Hasirci (Researcher), Retina Hasarlarının Tedavisinde Kullanılmak Üzere Doku Mühendisliği Yöntemiyle Yapay Bruk Membranı Konstrüksiyonu, OGEK, BAP-08-11-2013-039, 2013-2015, Bütçesi 30.000 TL, Prof. Dr. N. Hasirci A. S. Alagöz, (Araştırmacı), GATA, Prof. Dr. C. Yıldız
130. Nesrin Hasirci (Researcher), Üçlü bağ içeren polimerlerin sentezi, elektrokromik ve güneş gözesi uygulamalarında kullanımı, BAP-01-03-2013-003, 01.01.2013, Bütçesi 52.000TL,
129. Nesrin Hasirci (Coordinator), Polisebasik anhidrit bazlı nano kapsüllerin hazırlanması, farklı parametrelerin ilaç yükleme kapasitesi ve salım profiline etkisinin incelenmesi, 01.01.2014, Bütçesi 3.000TL,
128. Nesrin Hasirci (Coordinator), Poliüretan nanoparçacıkların tasarımı, METU-BAP-07-02-2014-007-260, 01.01.2013-2015, 1500 TL
127. Nesrin Hasirci (Coordinator), Biyobozunur polikaprolaktan temelli kopolimer sistemlerin doku mühendisliği iskele yapıları olarak sentezlenmesi, karakterizasyon ve optimize edilmesi, 01.01.2013
126. Nesrin Hasirci (Coordinator), Polisebasik anhidrit bazlı nano kapsüllerin hazırlanması, farklı parametrelerin ilaç yükleme kapasitesi ve salım profiline etkisinin incelenmesi, 01.01.2013
125. Nesrin Hasirci (Coordinator), Kemik doku mühendisliğinde antibiyotik sağlayan biyobenzer yapı iskelelerinin tasarımı ve üretimi, BAP-07-02-2012-101-155, 01.01.2013
124. Nesrin Hasirci (Coordinator), Gözenekli biyobozunur poliüretan nanoparçacıklarının tasarımı, BAP-07-02-2012-101-261, 01.01.2013
123. Nesrin Hasirci (Researcher), Üçlü bağ içeren polimerlerin sentezi, elektrokromik ve güneş gözesi uygulamalarında kullanımı, BAP-01-03-2013-003, 01.01.2013
122. Nesrin Hasirci (Researcher), Makro gözenekli phbv-elp iskelelerin kemik doku mühendisliğinde kullanımı, BAP-08-11-2013-014, 01.01.2013
121. Nesrin Hasirci (Researcher), Retina hasarlarının tedavisinde kullanılmak üzere doku mühendisliği yöntemiyle yapay bruk membranı konstrüksiyonu, BAP-08-11-2013-039, 01.01.2013
120. Nesrin Hasirci (Coordinator), Shahla Bagheri, Tübitak: 111M385, Ph Duyarlı Polisebasik Anhidrit Bazlı Nanokürelerin İlaç Taşıyıcı Sistem Olarak Hazırlanması, 24600 TL
119. Nesrin Hasirci (Coordinator), Şeniz: Kemik Doku Mühendisliğinde Büyüme Faktörü Sağlayan Polimerik Yapı İskeleleri, BAP-07-02-2011-101, 1250 TL
118. Nesrin Hasirci (Coordinator), Aysun: Doku İskelesi Oluşturabilecek Biyobozunur Poliüretanların Hazırlanması, BAP-07-02-2011-101, 1250 TL
117. Nesrin Hasirci (Coordinator), Gülçin Çicek: Sert Kemik Mühendisliğine Yönelik Enjekte Edilebilen Kemik Çimentolarının Sentezlenmesi, Karakterizasyonu ve Modifikasyonu, BAP-07-02-2011-101, 1250 TL

PROF.DR. Nesrin Hasirci

116. Nesrin Hasirci (Coordinator), Umran Aydemir Sezer, Kemik doku mühendisliğine yönelik gentamicin yüklü β -trikalsiyum fosfat/jelatin kompozit mikroküre hazırlanması ve bu mikroküreleri ihtiva eden polikaprolacton membran ve iskele yapıların geliştirilmesi, BAP-07-02-2011-101, Bütçe: 1250 TL
115. Nesrin Hasirci (Researcher), Levent Toppare (Proje Yürütücüsü), BAP-01-03--2012-001, Donor Akseptör tipi polimerlerin elektrokromik cihaz, güneş pili ve ışık sacan diyotlarda kullanımı, Toplam Butce : 30.000 TL.
114. Prof.Dr. Vasıf Hasirci (Coordinator), Prof.Dr. Nesrin Hasirci, Assoc.Prof. Dilek Kesin, Assoc.Prof. Aysen Tezcaner, Assoc.Prof. Ergin Tönük, Assoc.Prof. Caner Durucan, **DPT-BIOMATEN**-Biyomalzeme ve Doku Mühendisliği Mükemmeliyet Merkezi Projesi: BAP-08.11.DPT- 2011K120350. Bütçesi 5.000.000 TL
113. Prof.Dr. Nesrin Hasirci (Coordinator), Prof.Dr. Vasıf Hasirci, Aysel Kızıltay (Doktora öğrencisi), Tuğba Endogan (Doktora öğrencisi), Doç.Dr. Işıl SAYGUN, Prof. Dz. Alb. Atilla ÖZDEMİR, Prof. Dr. Ali Uğur Ural, Prof. Dr. Alb. Cengiz BEYAN, Doç Diş Tbp Osman BENGİ, Prof. Dz. Alb. Deniz SAĞDIÇ, Diş Hekimliğinde Kemik Dokusu Kayıplarının Doku Mühendisliği Yöntemiyle Rejenerasyonunun Sağlanması, BAP-2008-R-08-11-17, 01/04/2010-01/04/2011, 20.000 TL
112. Nesrin Hasirci (Coordinator), Aysun Güney, Doku iskelesi oluşturabilecek biyobozunur poliüretanların hazırlanması, BAP-07-02-2010-00-01, Bütçe: 1250 TL
111. Nesrin Hasirci (Coordinator), Özge Özgen, Polimer malzemelerin yüzey özelliklerinin plazma ile modifikasyonu, BAP-07-02-2010-00-01, Bütçe: 1250 TL
110. Nesrin Hasirci (Coordinator), Gülçin Çiçek, Sert kemik mühendisliğine yönelik enjekte edilebilir kemik çimentolarının sentezi, karakterizasyonu ve modifikasyonu, BAP-07-02-2010-00-01, Bütçe: 1250 TL
109. Researcher in ‘**SkinTreat- Novel approaches for the development of customized skin treatments and services**’ Jan 2008-Jan 2011 Total Number of Groups:15, Overall Budget: 4 997 237 €
108. Prof.Dr. **Nesrin Hasirci** (Coordinator), Prof.Dr. Hayati Bilgiç Prof.Dr. Vasıf Hasirci, Aysel Kızıltay (Doktora öğrencisi), Tuğba Endogan (Doktora öğrencisi), Prof.Dr. Murat Demiriz, Doç.Dr. Erol Bolu, Doç.Dr. Osman Kose, Doç.Dr. Mustafa Deveci, Uz. Vet. Dr. Tayfun İDE, Biyoaktif Doku Destek Malzemesi, BAP-2008-R-08-11-10, 01/04/2010 - 01/04/2011
107. Prof.Dr. Nesrin Hasirci (Coordinator), Prof.Dr. Vasıf Hasirci, Aysel Kızıltay (Doktora öğrencisi), Tuğba Endogan (Doktora öğrencisi), Doç.Dr. Işıl SAYGUN, Prof. Dz. Alb. Atilla ÖZDEMİR, Prof. Dr. Ali Uğur Ural, Prof. Dr. Alb. Cengiz BEYAN, Doç Diş Tbp Osman BENGİ, Prof. Dz. Alb. Deniz SAĞDIÇ, Diş Hekimliğinde Kemik Dokusu Kayıplarının Doku Mühendisliği Yöntemiyle Rejenerasyonunun Sağlanması, BAP-2008-R-08-11-17, 01/04/2010-01/04/2011
106. Levent Toppare (Coordinator), Ural Akbulut, Teoman Tincer, Savas Kucukyavuz, Zuhale Kucukyavuz, Erdal Bayramlı, Nesrin Hasirci, Ali Çırpan, Donör-akseptör tipi monomerlerin sentezi ve elektrokromik polimerlerinin üretimi, BAP-01-03-2010-03, Bütçe: 28.750 TL
105. Nesrin Hasirci (Coordinator), Cansel Işıklı, Kitosan-jelatin karışım filmlerinin karakterizasyonu ve biyoyumluluğu, BAP-07-02-2010-00-01, Bütçe: 1250 TL
104. Nesrin Hasirci (Coordinator), Elif Vardar, Kitosan ve aljinik asit içeren agaroz hidrojellerde hücre difüzyonunun incelenmesi, BAP-07-02-2010-00-01, Bütçe: 1250 TL
103. Nesrin Hasirci (Coordinator), Aysun Güney, Doku iskelesi oluşturabilecek biyobozunur poliüretanların hazırlanması, BAP-07-02-2010-00-01, 1250 TL
102. **Nesrin Hasirci** (Coordinator), Özge Özgen, Polimer malzemelerin yüzey özelliklerinin plazma ile modifikasyonu, BAP-07-02-2010-00-01, Bütçe: 1250 TL
101. **Nesrin Hasirci** (Coordinator), Gülçin Çiçek, Sert kemik mühendisliğine yönelik enjekte edilebilir kemik çimentolarının sentezi, karakterizasyonu ve modifikasyonu, BAP-07-02-2010-00-01, Bütçe: 1250 TL
100. Researcher in ‘**SkinTreat- Novel approaches for the development of customized skin treatments and services**’ Jan 2008-Jan 2011 Total Number of Groups:15, Overall Budget: 4 997 237 €
99. Levent Toppare (Proje Yürütücüsü), Ural Akbulut, Teoman Tincer, Savas Kucukyavuz, Zuhale Kucukyavuz, Erdal Bayramlı, Nesrin Hasirci, Tiyofen, piral, selenofen, 3,4-etilendioksitiyofen türevi monomerlerin sentezi ve elektromik camlarda kullanımı, BAP-01-03-2009-04, Bütçe: 28.250 TL

PROF.DR. Nesrin Hasirci

98. **Nesrin Hasirci** (Proje Yürütücüsü), Tuğba Endoğan, Elektro eğirme yöntemi ile doku mühendisliğine yönelik destek yapı hazırlanması ve karakterizasyonu, BAP-07-02-2009-00-01, Bütçe: 2500 TL
97. Nesrin Hasirci (Proje Yürütücüsü), Pınar Yılığör, Kemik doku mühendisliğine yönelik ve büyüme faktörlerinin sıralı salımını sağlayan kitosan bazlı doku destekleri, BAP-07-02-2009-00-01, 2500 TL
96. Nesrin Hasirci (Proje Yürütücüsü), Cansel Işıklı, Kitosan-jelatin karışım filmlerinin karakterizasyonu ve biyoyumluluğu, BAP-07-02-2010-00-01, Bütçe: 1500 TL
95. Nesrin Hasirci (Proje Yürütücüsü), Elif Vardar, Kitosan ve aljinik asit içeren agaroz hidrojelinde hücre difüzyonunun incelenmesi, BAP-07-02-2009-00-01, Bütçe: 1500 TL
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PROF.DR. Nesrin Hasirci

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