

## Assoc. Prof. NESLİHAN ALEMDAR YAYLA

### Personal Information

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### International Researcher IDs

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ScopusID: 19337218000

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### Biography

**Neslihan Alemdar** is currently Associate Professor in the Department of Chemical Engineering at Marmara University, Istanbul, Turkey. Alemdar received her Ph.D. degree from Istanbul Technical University in Chemical Engineering in 2009. During 2011–2013, She worked as a Post-Doctoral Fellowship at Harvard-MIT Health Sciences and Technology Institute & Massachusetts Institute of Technology (Harvard-MIT) at Tissue Engineering Field (USA). Her research interests are focused on the synthesis of smart polymers and characterization and its application for different areas especially the fabrication of hydrogel for tissue engineering application and drug delivery systems.

### Education Information

Doctorate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2004 - 2009

Postgraduate, Ataturk University, Mühendislik Fakültesi, Turkey 1994 - 1997

Undergraduate, Ataturk University, Mühendislik Fakültesi, Turkey 1990 - 1994

### Dissertations

Doctorate, Kontrollü/yaşayan serbest radikal polimerizasyonu ile stirenlenmiş yağ üretimi, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, 2009

Postgraduate, Orta taneli (1,12 mm-0.50mm) fosfat cevheri ile baca gazı desülfürizasyonu, Atatürk Üniversitesi, Mühendislik Fakültesi, 1997

### Research Areas

Tissue Engineering, Polymer Technology, Thermodynamics, Mass Transfer

### Academic Titles / Tasks

Associate Professor, Marmara University, Faculty of Engineering, Chemical Engineering, 2018 - Continues

Lecturer PhD, Massachusetts Institute of Technology, Harvard-Mit Division Of Health Sciences And Technology, 2011 - 2013

Research Assistant, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2010 - 2011

Research Assistant, Istanbul Technical University, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, 2004 - 2010

Research Assistant, Istanbul University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2002 - 2004

## Academic and Administrative Experience

Deputy Head of Department, Marmara University, Faculty of Engineering, Chemical Engineering, 2016 - 2019

## Advising Theses

Alemdar Yayla N., Karaca Albayrak F., Development of conductive polymeric materials for sensor applications, Doctorate, D.Aycan(Student), Continues

Alemdar Yayla N., Ata O. N., Stirenlenmiş yağ bazlı yüklü membran hazırlama ve karakterizasyonunun incelenmesi, Doctorate, M.SEMİH(Student), 2019

ALEMDAR YAYLA N., Synthesis and modeling of hydrogels for controlled drug delivery, Doctorate, D.KAYA(Student), 2019

ALEMDAR YAYLA N., The synthesis of ph-responsive polymeric film with an enhanced mechanical properties for wound dress applications, Postgraduate, B.EVRANOS(Student), 2019

Alemdar Yayla N., Fabrication of Hydrogel for Controlled Drug Delivery by Using Photopolymerization Technique, Postgraduate, S.Oktay(Student), 2018

ALEMDAR YAYLA N., Synthesis of chitosan-based biocompatible conductive polymer for biosensor applications, Postgraduate, C.ULUTÜRK(Student), 2016

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The effect of sulfonated reduced graphene oxide on the properties of ionic strength sensitive PEC film comprising protein/polysaccharides combined system**  
Gülçelik N., Çifci K. N., ALEMDAR YAYLA N.  
International Journal of Biological Macromolecules, vol.281, 2024 (SCI-Expanded)
- II. **The comparison of contribution of GO and rGO produced by green synthesis to the properties of CMC-based wound dressing material**  
Karaca Ö. G., Moran B., Türk M., Bal-Öztürk A., İzbudak B., AYDIN Y. A., Utkan G., ALEMDAR YAYLA N.  
International Journal of Biological Macromolecules, vol.271, 2024 (SCI-Expanded)
- III. **Gelatin microsphere-alginate hydrogel combined system for sustained and gastric targeted delivery of 5-fluorouracil**  
AYCAN D., Gül İ., Yorulmaz V., ALEMDAR YAYLA N.  
International Journal of Biological Macromolecules, vol.255, 2024 (SCI-Expanded)
- IV. **Development of hyaluronic acid-based electroconductive hydrogel as a sensitive non-enzymatic glucose sensor**  
AYCAN D., KARACA ALBAYRAK F., Alemdar N.  
Materials Today Communications, vol.35, 2023 (SCI-Expanded)
- V. **Electro-stimulated drug release by methacrylated hyaluronic acid-based conductive hydrogel with enhanced mechanical properties**  
AYCAN D., KARACA ALBAYRAK F., KOCA A., Alemdar N.  
International Journal of Biological Macromolecules, vol.231, 2023 (SCI-Expanded)
- VI. **Development of a new route for cation exchange membrane fabrication by using GO reinforced**

**styrenated oil**

BİNGÖL M. S., ATA O. N., Alemdar N.

Reactive and Functional Polymers, vol.178, 2022 (SCI-Expanded)

- VII. **Polysaccharide-based electroconductive films for controlled release of ciprofloxacin**  
AYCAN D., Dolapci N., Karaca O. G., ALEMDAR YAYLA N.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.139, no.32, 2022 (SCI-Expanded)
- VIII. **Bipolar membrane electrodialysis for mixed salt water treatment: Evaluation of parameters on process performance**  
Oner M. R., KANCA A., ATA O. N., YAPICI S., Yaylali N.  
JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol.9, no.4, 2021 (SCI-Expanded)
- IX. **Chitosan polyvinyl alcohol blend films for ibuprofen encapsulation: Fabrication, characterization and kinetics**  
Aycan D., Yayla N., Aydın Y. A.  
POLYMER DEGRADATION AND STABILITY, vol.181, 2020 (SCI-Expanded)
- X. **Conductive polymeric film loaded with ibuprofen as a wound dressing material**  
Aycan D., Selmi B., Kelel E., Yildirim T., Alemdar N.  
EUROPEAN POLYMER JOURNAL, vol.121, 2019 (SCI-Expanded)
- XI. **Production of reduced graphene oxide-based electrically conductive hydrogel by using modified chitosan**  
Uluturk C., Alemdar N.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.136, no.40, 2019 (SCI-Expanded)
- XII. **Production of ciprofloxacin loaded chitosan/gelatin/bone ash wound dressing with improved mechanical properties**  
Evranoş B., Aycan D., Alemdar N.  
CARBOHYDRATE POLYMERS, vol.222, 2019 (SCI-Expanded)
- XIII. **Modeling the drug release from reduced graphene oxide-reinforced hyaluronic acid/gelatin/poly(ethylene oxide) polymeric films**  
Kaya D., KÜÇÜKADA K., Alemdar N.  
CARBOHYDRATE POLYMERS, vol.215, pp.189-197, 2019 (SCI-Expanded)
- XIV. **Electroconductive hyaluronic acid/gelatin/poly(ethylene oxide) polymeric film reinforced by reduced graphene oxide**  
Kaya D., ALEMDAR YAYLA N.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.136, no.1, 2019 (SCI-Expanded)
- XV. **Electrically controlled release of 5-fluorouracil from conductive gelatin methacryloyl-based hydrogels**  
Oktay S., ALEMDAR YAYLA N.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.136, no.1, 2019 (SCI-Expanded)
- XVI. **Electroconductive 3D polymeric network production by using polyaniline/chitosan-based hydrogel**  
Uluturk C., Alemdar N.  
CARBOHYDRATE POLYMERS, vol.193, pp.307-315, 2018 (SCI-Expanded)
- XVII. **Development of pH-responsive chitosan-based hydrogel modified with bone ash for controlled release of amoxicillin**  
AYCAN D., ALEMDAR YAYLA N.  
CARBOHYDRATE POLYMERS, vol.184, pp.401-407, 2018 (SCI-Expanded)
- XVIII. **Oxygen-Generating Photo-Cross-Linkable Hydrogels Support Cardiac Progenitor Cell Survival by Reducing Hypoxia-Induced Necrosis**  
Alemdar N., Leijten J., Camci-Unal G., Hjortnaes J., Ribas J., Paul A., Mostafalu P., Gaharwar A. K., Qiu Y., Sonkusale S., et al.  
ACS BIOMATERIALS SCIENCE & ENGINEERING, vol.3, no.9, pp.1964-1971, 2017 (SCI-Expanded)
- XIX. **Fabrication of a novel bone ash-reinforced gelatin/alginate/hyaluronic acid composite film for controlled drug delivery**

- ALEMDAR YAYLA N.  
CARBOHYDRATE POLYMERS, vol.151, pp.1019-1026, 2016 (SCI-Expanded)
- XX. **Styrenated urethane oil synthesis via CuAAC "click" chemistry approach**  
Yazgan-Birgi P., ALEMDAR YAYLA N., Erciyas A. T.  
PROGRESS IN ORGANIC COATINGS, vol.84, pp.107-114, 2015 (SCI-Expanded)
- XXI. **Tri-layered elastomeric scaffolds for engineering heart valve leaflets**  
Masoumi N., Annabi N., Assmann A., Larson B. L., Hjortnaes J., Alemdar N., Kharaziha M., Manning K. B., Mayer J. E., Khademhosseini A.  
BIOMATERIALS, vol.35, no.27, pp.7774-7785, 2014 (SCI-Expanded)
- XXII. **A paper-based oxygen generating platform with spatially defined catalytic regions**  
Ochoa M., Rahimi R., Huang T. L., Alemdar N., Khademhosseini A., Dokmeci M. R., Ziaie B.  
SENSORS AND ACTUATORS B-CHEMICAL, vol.198, pp.472-478, 2014 (SCI-Expanded)
- XXIII. **Oxygen-releasing biomaterials for tissue engineering**  
Camci-Unal G., Alemdar N., Annabi N., Khademhosseini A.  
POLYMER INTERNATIONAL, vol.62, no.6, pp.843-848, 2013 (SCI-Expanded)
- XXIV. **Styrenated sunflower oil polymers from raft process for coating application**  
Alemdar N., Erciyas A. T., Bicak N.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.125, no.1, pp.10-18, 2012 (SCI-Expanded)
- XXV. **Production of oil-based binder by RAFT polymerization technique**  
Alemdar N., Erciyas A. T., Bicak N.  
PROGRESS IN ORGANIC COATINGS, vol.69, no.4, pp.522-526, 2010 (SCI-Expanded)
- XXVI. **Preparation of unsaturated polyesters using boric acid as mild catalyst and their sulfonated derivatives as new family of degradable polymer surfactants**  
Alemdar N., Erciyas A. T., Bicak N.  
POLYMER, vol.51, no.22, pp.5044-5050, 2010 (SCI-Expanded)
- XXVII. **Benzoxazine Containing Polyester Thermosets with Improved Adhesion and Flexibility**  
Tuzun A., Kışkan B., Alemdar N., Erciyas A. T., Yağcı Y.  
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.48, no.19, pp.4279-4284, 2010 (SCI-Expanded)
- XXVIII. **Surface Modification of Silica, Titania, and Zinc Oxide Micro Particles with Epoxidized Soybean Oil for Preparation of Polystyrene Composite Films**  
Alemdar N., Karagöz B., Erciyas A. T., Bicak N.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.116, no.1, pp.165-171, 2010 (SCI-Expanded)
- XXIX. **Styrenation of air-blown linseed oil by nitroxide-mediated radical polymerization**  
Alemdar N., Erciyas A. T., Yağcı Y.  
PROGRESS IN ORGANIC COATINGS, vol.67, no.1, pp.55-59, 2010 (SCI-Expanded)
- XXX. **Styrenation of triglyceride oil by nitroxide mediated radical polymerization**  
Alemdar N., Erciyas A. T., Yağcı Y.  
PROGRESS IN ORGANIC COATINGS, vol.66, no.2, pp.99-106, 2009 (SCI-Expanded)
- XXXI. **A method for polymethacrylate coating via self-curable unsaturated polyester primer on metal and glass surfaces**  
Alemdar N., Karagoz B., Erciyas A. T., Bicak N.  
PROGRESS IN ORGANIC COATINGS, vol.60, no.1, pp.69-74, 2007 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Oxygen-Generating Photocrosslinkable Hydrogel**  
Alemdar N.  
CELL-BASED MICROARRAYS: METHODS AND PROTOCOLS, vol.1771, pp.241-250, 2018 (Scopus)
- II. **Synthesis of chitosan based hydrogel by using photopolymerization technique**

ALEMDAR N.

Anadolu University Journal of Science and Technology – A, Applied Sciences and Engineering, vol.17, no.2, pp.391-400, 2016 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Development of curcumin loaded reduced graphene oxide based polymeric films for wound dressing applications**  
AYCAN D., KARACA ALBAYRAK F., ALEMDAR YAYLA N.  
13th European Congress of Chemical Engineering, Germany, 20 - 23 September 2021
- II. **Determination of Optimum Reduced Graphene Oxide Synthesis Method for Conductive Sensing Material Production**  
AYCAN D., KARACA ALBAYRAK F., ALEMDAR YAYLA N.  
European Biotechnology Congress 2020, Prag, Czech Republic, 24 - 26 September 2020
- III. **Investigation of Sulfonation Time on Ion Exchange Capacity of Cationic Membrane**  
BİNGÖL M. S., ATA O. N., ALEMDAR N.  
INTERNATIONAL SYPOSIUM ON APPLIED SCIENCES AND ENGINEERING, 26 - 28 November 2018
- IV. **An optimization study for production of PEDOT:PSS based conductive polymeric films**  
AYCAN D., Dolapçı N., Karaca Ö. G., ALEMDAR N.  
2nd International Conference on Applications in Chemistry and Chemical Engineering, Belgrade, Serbia And Montenegro, 10 - 14 October 2018
- V. **Production of PEDOT:PSS-Based Conductive Polymeric Film For Future Energy Storage Applications**  
Dolapçı N., Karaca Ö. G., AYCAN D., ALEMDAR N.  
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018
- VI. **Fabrication of hydrophilic thin films with enhanced electroconductive and mechanical properties by the reinforcement of RGO**  
KAYA D., ALEMDAR N.  
7th International Molecular Biology and Biotechnology Congress (MOLBIOTECH), 25 - 27 April 2018
- VII. **Effect of Initial Salt Concentration on Acid and Base Production from NH<sub>4</sub>Cl - NaCl Solution by Bipolar Membrane Electrodialysis**  
YAPICI S., ATA O. N., ÖNER M. R., H, EMRE S., ALEMDAR N.  
2nd International Conference on Advances in Chemical Engineering Technology, 16 - 17 November 2017
- VIII. **Jelatin bazlı iletken polimer sentezi**  
ALEMDAR N., Oktay S., Yakışık H., AYCAN D.  
6. Ulusal Polimer Bilim ve Teknolojisi Kongresi, Turkey, 4 - 07 September 2016
- IX. **Isısal ve mekanik özellikleri iyileştirilmiş pH a duyarlı kompozit film eldesi**  
ALEMDAR N.  
12. Ulusal Kimya Mühendisliği Kongresi (UKMK-12), Turkey, 23 - 26 August 2016
- X. **Biyomedikal uygulamalar için biyoyumlu iletken film eldesi**  
Yıldırım T., Keleş E., Selmi B., ALEMDAR N.  
12. Ulusal Kimya Mühendisliği Kongresi, Turkey, 23 - 26 August 2016
- XI. **Fabrication of reduced graphene oxide chitosan based conductive hydrogel for biomedical applications**  
ALEMDAR N., Ulutürk C.  
2nd World Congress on Biopolymers, 4 - 05 August 2016
- XII. **Production of chitosan based conductive hydrogel by photopolymerization technique for biomedical applications**  
ALEMDAR N., Ulutürk C.  
46th IUPAC World Polymer Congress, 17 - 21 July 2016
- XIII. **Oxygen generating photocrosslinkable hydrogel for cardiac progenitor cells survival under hypoxic**

## conditions

ALEMDAR N., Camcı Ünal G., Leijten J., Hjortnaes J., Ribas J., Paul A., Mostafalu P., Gaharwar A. K., Qiu Y., Sameer S., et al.

46th IUPAC World Polymer Congress, 17 - 21 July 2016

- XIV. **Preparation of composite film for controlled drug delivery**  
ALEMDAR N.  
8th European Symposium on Biopolymers-ESBP2015, 16 - 18 September 2015
- XV. **Production of chitosan based hydrogel by photopolymerization technique for biomedical applications**  
Ulutürk C., ALEMDAR N.  
2nd International Congress on Biosensors, 10 - 12 June 2015
- XVI. **Gelatin hyaluronic acid sodium alginate bone ash composite films with enhanced thermal and mechanical properties**  
ALEMDAR N.  
13th Mediterranean Congress of Chemical Engineering, 30 September - 03 October 2014
- XVII. **Katı peroksitlerin biyouyumlu hidrojel yapıları üzerine etkisi**  
ALEMDAR N., Camcı Ünal G., Hjortnaes J., Khademhosseini A.  
11. Ulusal Kimya Mühendisliği Kongresi (UKMK-11), Turkey, 2 - 05 September 2014
- XVIII. **Structure investigations of NiO Al<sub>2</sub>O<sub>3</sub> B<sub>2</sub>O<sub>3</sub> SiO<sub>2</sub> in PVA using Sol Gel processing and the electrospinning technique**  
SEVİM F., SEVİMLİ E., DEMİR F., ALEMDAR N.  
1th International Chemistry and Chemical Engineering Congress, Baku, Azerbaijan (2013), 18 - 19 June 2013
- XIX. **Hydrogel based biodegradable scaffolds for cardiac tissue engineering**  
Cancı Ünal G., ALEMDAR N., Annabi N., Khademhosseini A.  
TERMIS-eu, Istanbul, TURKEY 2013, 17 - 20 June 2013
- XX. **A Flexible Laser Defined Paper Platform For Localized Oxygen Generation**  
Ochoa M., Rahimi R., ALEMDAR N., Dokmeci M. R., Khademhosseini A., Ziaie B.  
Transducers 2013 Eurosensors Xxvii: The 17th International Conference On Solid-State Sensors, Actuators And Microsystems Barcelona, SPAIN (2013), 16 - 20 June 2013
- XXI. **Gelatin based Hydrogels as Potential Cellular Delivery Systems for Cardiac Tissue Engineering**  
Cancı Ünal G., ALEMDAR N., Khademhosseini A.  
Society for Biomaterials (SFB) Annual Meeting, 10 - 13 April 2013
- XXII. **Preparation of unsaturated polyesters using boric acid as a mild catalyst**  
ALEMDAR N., ERCİYES A. T., BIÇAK N.  
IUPAC, World Polymer Congress, Virginia Tech., USA (2012), 24 - 29 June 2012
- XXIII. **Elektro Üretim Yöntemi ve Sol Jel Prosesini Kullanarak NiO/Al<sub>2</sub>O<sub>3</sub>/B<sub>2</sub>O<sub>3</sub>/SiO<sub>2</sub> Kompozit Nanoliflerin Üretimi**  
Sevimli E., DEMİR F., ALEMDAR N., SEVİM F.  
1. Ulusal Nanoteknoloji Kongresi (2011), Turkey, 17 - 18 June 2011
- XXIV. **Styrenated oil production by RAFT method**  
Çağlar N., ALEMDAR N., ERCİYES A. T.  
EPF 2011, XII GEP Congress, Granada, SPAIN (2011), 26 June - 01 July 2011
- XXV. **Styrenated Oil Synthesized by Click Chemistry Approach**  
Yazgan P., ALEMDAR N., ERCİYES A. T., YAĞCI Y.  
EPF 2011, XII GEP Congress, Granada, SPAIN, (2011), 26 June - 01 July 2011
- XXVI. **Styrenation of triglyceride oil by controlled living radical polymerization methods**  
ALEMDAR N., ERCİYES A. T., BIÇAK N.  
Baekeland 2009, 2. International Symposium on Thermosets, Antalya, TURKEY (2009), 22 - 25 November 2009
- XXVII. **Styrenation of triglyceride oil through reversible addition fragmentation chain transfer polymerization**  
ALEMDAR N., ERCİYES A. T., BIÇAK N.

EPF'09 European Polymer Congress, Graz, AUSTRIA (2009), 12 July - 17 September 2009

- XXVIII. **Keten yağının kontrollü / yaşayan serbest radikal polimerizasyonu ile TEMPO varlığında stirenlenmesi**  
ALEMDAR N., ERCİYES A. T., YAĞCI Y.  
8.Ulusal Kimya Mühendisliği Kongresi (UKMK-8), Turkey, 26 - 29 August 2008
- XXIX. **A method for preparation of pigment particles with oil modified surfaces**  
ALEMDAR N., KARAGÖZ B., ERCİYES A. T., BIÇAK N.  
Macro 2008, 42nd World Polymer Congress, Taipei, TAIWAN (2008), 29 June - 04 July 2008
- XXX. **Styrenation of sunflower oil by raft polymerization technique**  
ALEMDAR N., KARAGÖZ B., ERCİYES A. T., BIÇAK N.  
7th International paint and auxiliary products industry congress exhibition, 10 - 12 April 2008
- XXXI. **Styrenation of triglyceride oil through controlled living free radical polymerization by the polymerization by the aid of tempo**  
ALEMDAR N., ERCİYES A. T., YAĞCI Y.  
7th International Conference on Advanced Polymers Via Macromolecular Engineering, Miami, USA (2007), 15 - 20 December 2007
- XXXII. **Fuzel yağının bor ester türevleri üzerinden biyodizele alternatif yakıt üretimi**  
ALEMDAR N., ERCİYES A. T., BIÇAK N.  
7. Ulusal Kimya Mühendisliği Kongresi (UKMK-7), Turkey, 5 - 08 September 2006
- XXXIII. **Hydroxy functional self curable polyester for primer coating of metal surfaces**  
ALEMDAR N., KARAGÖZ B., ERCİYES A. T., BIÇAK N.  
1st European Chemistry Congress, Budapest, HUNGARY (2006), 27 - 31 August 2006
- XXXIV. **Styrenation of triglyceride oil controlled living free radical polymerization**  
ALEMDAR N., ERCİYES A. T., YAĞCI Y.  
6th International Paint, Varnish, Ink Auxiliary Products Industry Congress Exhibition, 17 - 19 May 2006

## Supported Projects

Alemdar Yayla N., Project Supported by Higher Education Institutions, Synthesis and Modelling of Hydrogels for Controlled Drug Delivery, 2017 - 2019

Alemdar Yayla N., Project Supported by Higher Education Institutions, The Synthesis of Thermoresponsive Polymeric Film with an Enhanced Elastic Properties for Wound Dress Applications, 2017 - 2019

Alemdar Yayla N., Project Supported by Higher Education Institutions, Fabrication of Hydrogel for Controlled Drug Delivery by Photopolymerization Technique, 2017 - 2018

Alemdar Yayla N., Ata O. N., TUBITAK Project, Bipolar Membranlı Elektrodializ Prosesi ile Amonyum Klorür ve Sodyum Klorür Çözeltilerinden Amonyak Sodyum Hidroksit ve Hidrojen Klorür Üretiminin İncelenmesi, 2015 - 2018

Alemdar Yayla N., Project Supported by Higher Education Institutions, KİTOSAN BAZLI BİYUYUMLU İLETKEN MALZEME ÜRETİMİ VE BİYOSENSÖR UYGULANMASINDA KULLANIMI, 2015 - 2017

Alemdar Yayla N., Özveren U., TUBITAK Project, Mide ülseri tedavisinde kullanılacak pH a duyarlı termal ve mekanik özellikleri iyileştirilmiş kitosan bazlı akıllı hidrojel sentezi, 2015 - 2017

Alemdar Yayla N., Project Supported by Higher Education Institutions, Biyosensör uygulamaları için biyoyumlu iletken polimerlerin geliştirilmesi, 2015 - 2017

Alemdar Yayla N., Khademhosseini A., Project Supported by Public Organizations in Other Countries, Tissue Engineered Flexible Sensors Actuators and Electronics for Chronic Wound Management, 2013 - 2014

Alemdar Yayla N., Khademhosseini A., Project Supported by Public Organizations in Other Countries, Cardiac Tissue Engineering Project, 2011 - 2013

Erciyes A. T., TUBITAK Project, Production of Styrenated Oil by Controlled Living Radical Polymerization, 2008 - 2010

Alemdar Yayla N., Erciyes A. T., Project Supported by Higher Education Institutions, Production of Styrenated Oil by Controlled Living Radical Polymerization NMRP and RAFT, 2008 - 2010

Alemdar Yayla N., Biçak N., Project Supported by Other Official Institutions, Organic Synthesis via Boron Ester, 2005 -

2007

## **Metrics**

Publication: 68

Citation (WoS): 626

Citation (Scopus): 674

H-Index (WoS): 13

H-Index (Scopus): 14

## **Non Academic Experience**

Harvard-MIT Division of Health Sciences and Technology, Massachusetts Institute of Technology (MIT), United States (USA).

İLSAN & İLTAŞ İlaç ve Hamaddeler Sanayi A.Ş.

Aksoy Plastik Sanayi ve Ticaret A.Ş.