

## Prof. Fatma Neşe K k

### Personal Information

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### Education Information

Post Graduate, Orta Doęu Teknik  niversitesi, Fen Bilimleri Enstit s , Biyoteknoloji (YI) (Tezli), Turkey 1995 - 1997

Doctorate, Orta Doęu Teknik  niversitesi, Fen Bilimleri Enstit s , Biyoteknoloji (Dr), Turkey 1995 - 1997

Under Graduate, Orta Doęu Teknik  niversitesi, M hendislik Fak ltesi, Kimya M hendislięi B l m , Turkey 1989 - 1994

### Foreign Languages

English

### Certificates, Courses and Trainings

Quality Management, ISO17025 Akreditasyon Eęitim Sertifikası, Avrupa Birlięi-TC Ekonom Bakanlıęı, 2012

Health&Medicine, Deney hayvanları kullanm sertifikası, Yeditepe  niverstesi, 2007

Health&Medicine, Molek ler Tanı ve Uygulamaları, Ege  niversitesi Eczacılık Fak ltesi, 2002

Health&Medicine, Polymer based systems on tissue engineering, replacement and regeneration, NATO/ASI Advanced Study Institute, 2001

### Dissertations

Doctorate, Construction of an acetylcholine esterase-choline oxidase biosensor for the detection of aldicarb, Orta Doęu Teknik  niversitesi, Fen Bilimleri Enstit s , Biyoteknoloji, 2001

Post Graduate, Control of aldicarb concentration in the environment via use of carboxymethyl cellulose microspheres: A two-pronged biotechnological approach, Orta Doęu Teknik  niversitesi, Fen Bilimleri, Biyoteknoloji, 1997

### Research Areas

Technical Sciences, Metallurgical and Materials Engineering, Material science and engineering, Polymeric Materials, Nanomaterials, Basic Sciences, Life Sciences, Biotechnology, Biomaterial, Biosensor

### Academic Titles / Tasks

Professor, Istanbul Technical University, Fen-Edebiyat, Molek ler Biyoloji Ve Genetik, 2019 - Continues

Associate Professor, İstanbul Teknik  niversitesi, Fen-Edebiyat Fak ltesi, Molek ler Biyoloji Ve Genetik B l m , 2013 - Continues

Assistant Professor, İstanbul Teknik  niversitesi, Fen-Edebiyat Fak ltesi, Molek ler Biyoloji Ve Genetik B l m , 2005 -

2013

Research Assistant, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, 1995 - 2002

## Professional Experience

Deputy Head of Department, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2013 - Continues

Deputy Head of Department, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2008 - 2009

## Courses

ENZİM KİNETİĞİ, Post Graduate, 2016 - 2017

## Jury Memberships

Competition, Bayer Liselerarası Bilim Yarışması, Bayer İlaç, May, 2017

Competition, Bayer Liselerarası Bilim Yarışması, Bayer İlaç, May, 2016

Award, Türkiye Bilimler Akademisi Üstün Başarılı Genç Bilim İnsanlarını Ödüllendirme Programı , TÜBA, April, 2016

Competition, Ortaöğretim Öğrencileri Proje Yarışması, TÜBİTAK, May, 2014

Competition, Bu Benim Eserim, Milli Eğitim Bakanlığı, February, 2014

Competition, Ortaöğretim Öğrencileri Proje Yarışması, TÜBİTAK, May, 2013

Competition, Ortaöğretim Öğrencileri Proje Yarışması, TÜBİTAK, May, 2012

Competition, BEST Mühendislik yarışması, Board of European Students o Technology (BEST), August, 2011

Competition, 1. İstanbul Bilim Olimpiyatları, TC İstanbul Valiliği, İl Milli Eğitim Müdürlüğü, April, 2009

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **A functional coating to enhance antibacterial and bioactivity properties of titanium implants and its performance in vitro**  
Doymus B., Kerem G., Yazgan Karatas A., Kök F. N., ÖNDER S.  
JOURNAL OF BIOMATERIALS APPLICATIONS, vol.35, no.6, pp.655-669, 2021 (Journal Indexed in SCI)
- II. **Silk-fibroin-containing nanofibers for topical sertaconazole delivery: preparation, characterization, and antifungal activity**  
Esenturk I., Gumrukcu S., Sert A. B., Kök F. N., DÖŞLER S., GÜNGÖR S., ERDAL M., Sarac A. S.  
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, 2020 (Journal Indexed in SCI)
- III. **A multifunctional long-term release system for treatment of hypothyroidism**  
Kaya C. K., Gumrukcu S., Sarac A. S., Kök F. N.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, vol.108, pp.760-769, 2020 (Journal Indexed in SCI)
- IV. **Assessment of bone healing using (Ti,Mg)N thin film coated plates and screws: Rabbit femur model**  
Sabouni K., Öztürk Y., Kaçar E., Mutlu H. S., Solakoğlu S., Kose G. T., Kök F. N., Kazmanlı M. K., Urgen K. M., Önder S.  
Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020 (Journal Indexed in SCI Expanded)
- V. **Construction of a sandwich-type wound dressing with pain-reliever and pH-responsive antibiotic delivery system**  
Ozdabak-Sert A. B., Sen B., Kök F. N.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.136, 2019 (Journal Indexed in SCI)
- VI. **Lactate detection by colorimetric measurement in real human sweat by microfluidic-based biosensor**

**on flexible substrate**

Kusbaz A., Göcek İ., Baysal G., Kök F. N., Trabzon L., Kızıl H., Karagüzel Kayaoğlu B.

JOURNAL OF THE TEXTILE INSTITUTE, vol.110, pp.1725-1732, 2019 (Journal Indexed in SCI)

- VII. **Characterization of aquaporin Z-incorporated proteoliposomes with QCM-D**  
Sengur-Tasdemir R., Kılıç A., Tutuncu H. E., Ergon-Can T., Gul-Karaguler N., Ates-Genceli E., Kök F. N., Koyuncu İ.  
SURFACE INNOVATIONS, vol.7, no.2, pp.133-142, 2019 (Journal Indexed in SCI)
- VIII. **Peptide-functionalized supported lipid bilayers to construct cell membrane mimicking interfaces**  
Kılıç A., Kök F. N.  
Colloids and Surfaces B: Biointerfaces, vol.176, pp.18-26, 2019 (Journal Indexed in SCI Expanded)
- IX. **Role of STRO-1 sorting of porcine dental germ stem cells in dental stem cell-mediated bone tissue engineering**  
Pekozer G. G., Ramazanoglu M., Schlegel K. A., Kök F. N., Köse G.  
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.46, pp.607-618, 2018 (Journal Indexed in SCI)
- X. **Magnesium doping on TiN coatings affects mesenchymal stem cell differentiation and proliferation positively in a dose-dependent manner**  
ÖNDER S., Calikoglu-Koyuncu A. C., Kazmanli K., Urgen M. K., Kök F. N., Torun-Kose G.  
BIO-MEDICAL MATERIALS AND ENGINEERING, vol.29, no.4, pp.427-438, 2018 (Journal Indexed in SCI)
- XI. **Quartz crystal microbalance with dissipation as a biosensing platform to evaluate cell-surface interactions of osteoblast cells**  
Kılıç A., Kök F. N.  
BIOINTERPHASES, vol.13, 2018 (Journal Indexed in SCI)
- XII. **Impedimetric DNA biosensor based on polyurethane/poly(m-anthranilic acid) nanofibers**  
Gokce Z. G., Akalin P., Kök F. N., Sarac A. S.  
SENSORS AND ACTUATORS B-CHEMICAL, vol.254, pp.719-726, 2018 (Journal Indexed in SCI)
- XIII. **The effect of thiolated phospholipids on formation of supported lipid bilayers on gold substrates investigated by surface-sensitive methods**  
Kılıç A., Jadidi M. F., Özer H. Ö., Kök F. N.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.160, pp.117-125, 2017 (Journal Indexed in SCI)
- XIV. **Effect of Magnesium and Osteoblast Cell Presence on Hydroxyapatite Formation on (Ti,Mg)N Thin Film Coatings**  
Onder S., Calikoglu-Koyuncu A. C., Kose G. T., Kazmanli K., Kök F. N., Urgen M. K.  
JOM, vol.69, pp.1195-1205, 2017 (Journal Indexed in SCI)
- XV. **In vitro evaluation of PLLA/PBS sponges as a promising biodegradable scaffold for neural tissue engineering**  
Kanneci Altinisik I. A., Kök F. N., Yucel D., Torun Kose G.  
TURKISH JOURNAL OF BIOLOGY, vol.41, no.5, pp.734-747, 2017 (Journal Indexed in SCI)
- XVI. **An in vitro human skeletal muscle model: coculture of myotubes, neuron-like cells, and the capillary network**  
ERTAN A. B., Kenar H., Beyzadeoglu T., Kök F. N., Kose G. T.  
TURKISH JOURNAL OF BIOLOGY, vol.41, no.3, pp.514-525, 2017 (Journal Indexed in SCI)
- XVII. **Biomimetic lipid bilayers on solid surfaces: models for biological interactions**  
Kılıç A., KOK F. N.  
SURFACE INNOVATIONS, vol.4, no.3, pp.141-157, 2016 (Journal Indexed in SCI)
- XVIII. **Construction of an oxygen detection-based optic laccase biosensor for polyphenolic compound detection**  
Bilir K., Weil M., Lothead J., Kök F. N., Werner T.  
TURKISH JOURNAL OF BIOLOGY, vol.40, pp.1303-1310, 2016 (Journal Indexed in SCI)
- XIX. **Behavior of mammalian cells on magnesium substituted bare and hydroxyapatite deposited (Ti, Mg) N coatings**  
Onder S., Calikoglu-Koyuncu A. C., Kazmanli K., Urgen M. K., Kose G. T., Kok F. N.  
NEW BIOTECHNOLOGY, vol.32, pp.747-755, 2015 (Journal Indexed in SCI)

- XX. **Employing TDMA Protocol in Neural Nanonetworks in Case of Neuron Specific Faults**  
Tezcan H., Oktuğ S. F. , Kok F. N.  
IEEE TRANSACTIONS ON NANOBIOSCIENCE, vol.14, pp.572-580, 2015 (Journal Indexed in SCI)
- XXI. **Design and fabrication of a new nonwoven-textile based platform for biosensor construction**  
Baysal G., Onder S., Gocek İ., Trabzon L., Kızıl H., Kok F. N. , Kayaoglu B.  
SENSORS AND ACTUATORS B-CHEMICAL, vol.208, pp.475-484, 2015 (Journal Indexed in SCI)
- XXII. **Microfluidic device on a nonwoven fabric: A potential biosensor for lactate detection**  
Baysal G., Onder S., Gocek İ., Trabzon L., Kızıl H., Kok F. N. , Kayaoglu B.  
TEXTILE RESEARCH JOURNAL, vol.84, pp.1729-1741, 2014 (Journal Indexed in SCI)
- XXIII. **Osteoblast cell proliferation on magnesium-substituted hydroxyapatite (Mg-HA) coatings**  
Kök F. N. , Onder S., Calikoglu A. C. , Kazmanli K., Urgen M. K. , KÖSE G.  
NEW BIOTECHNOLOGY, vol.31, 2014 (Journal Indexed in SCI)
- XXIV. **Incorporation of growth factor loaded microspheres into polymeric electrospun nanofibers for tissue engineering applications**  
Gungor-Ozkerim P. S. , Balkan T., Kose G. T. , Sarac A. S. , Kök F. N.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, vol.102, pp.1897-1908, 2014 (Journal Indexed in SCI)
- XXV. **Magnesium substituted hydroxyapatite formation on (Ti,Mg)N coatings produced by cathodic arc PVD technique**  
Onder S., Kok F. N. , Kazmanli K., Urgen M. K.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.33, pp.4337-4342, 2013 (Journal Indexed in SCI)
- XXVI. **Effect of double growth factor release on cartilage tissue engineering**  
Ertan A. B. , Yilgor P., Bayyurt B., Calikoglu A. C. , Kaspar C., Kök F. N. , Kose G. T. , Hasirci V.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.7, no.2, pp.149-160, 2013 (Journal Indexed in SCI)
- XXVII. **Polyblend nanofibers as tissue engineering matrices**  
Gungor P. S. , Balkan T., Köse G., Sarac A. S. , Kök F. N.  
NEW BIOTECHNOLOGY, vol.29, 2012 (Journal Indexed in SCI)
- XXVIII. **Encapsulation of food flavors using a natural crosslinking agent**  
Buldur P. M. , Kök F. N.  
NEW BIOTECHNOLOGY, vol.29, 2012 (Journal Indexed in SCI)
- XXIX. **Development of optical laccase-based biosensors for phenolic compound detection**  
Bilir K., Weil M., Lothead J., Kök F. N. , Werner T.  
NEW BIOTECHNOLOGY, vol.29, 2012 (Journal Indexed in SCI)
- XXX. **Immobilization of laccase on polymer grafted polytetrafluoroethylene membranes for biosensor construction**  
Tastan E., Onder S., Kök F. N.  
TALANTA, vol.84, pp.524-530, 2011 (Journal Indexed in SCI)
- XXXI. **Alteration of PTFE Surface to Increase Its Blood Compatibility**  
Onder S., Kazmanli K., Kok F. N.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.22, pp.1443-1457, 2011 (Journal Indexed in SCI)
- XXXII. **Incorporation of integrins into artificial planar lipid membranes: characterization by plasmon-enhanced fluorescence spectroscopy**  
Sinner E., REUNING U., Kok F. N. , SACCA B., MORODER L., KNOLL W., OESTERHELT D.  
ANALYTICAL BIOCHEMISTRY, vol.333, no.2, pp.216-224, 2004 (Journal Indexed in SCI)
- XXXIII. **Determination of binary pesticide mixtures by an acetylcholinesterase-choline oxidase biosensor**  
Kök F. N. , Hasirci V.  
BIOSENSORS & BIOELECTRONICS, vol.19, no.7, pp.661-665, 2004 (Journal Indexed in SCI)
- XXXIV. **Construction of an acetylcholinesterase-choline oxidase biosensor for aldicarb determination**  
Kök F. N. , Bozoglu F., Hasirci V.  
BIOSENSORS & BIOELECTRONICS, vol.17, pp.531-539, 2002 (Journal Indexed in SCI)

- XXXV. **Immobilization of acetylcholinesterase and choline oxidase in/on pHEMA membrane for biosensor construction**  
Kök F. N. , BOZOGLU F., Hasirci V.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.12, no.11, pp.1161-1176, 2001 (Journal Indexed in SCI)
- XXXVI. **Controlled release of aldicarb from carboxymethyl cellulose microspheres: in vitro and field applications**  
Kök F. N. , Arica M., Gencer O., Abak K., Hasirci V.  
PESTICIDE SCIENCE, vol.55, no.12, pp.1194-1202, 1999 (Journal Indexed in SCI)
- XXXVII. **Controlled release of aldicarb from lignin loaded ionotropic hydrogel microspheres**  
Kök F. N. , Wilkins R., Cain R., Arica M., Alaeddinoglu G., Hasirci V.  
JOURNAL OF MICROENCAPSULATION, vol.16, no.5, pp.613-623, 1999 (Journal Indexed in SCI)
- XXXVIII. **Biodegradation of aldicarb in a packed-bed reactor by immobilized Methylosinus**  
Kök F. N. , ARICA M., HALICIGIL C., ALAEDDINOGLU G., Hasirci V.  
ENZYME AND MICROBIAL TECHNOLOGY, vol.24, pp.291-296, 1999 (Journal Indexed in SCI)
- XXXIX. **Controlled release of Aldicarb from carboxymethylcellulose microcapsules**  
Arica M., Yigitoglu M., Lale M., Kök F. N. , Hasirci V.  
TURKISH JOURNAL OF CHEMISTRY, vol.21, no.2, pp.100-104, 1997 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Construction of P-glycoprotein incorporated tethered lipid bilayer membranes**  
İnci F., Çelik U., Türken B., Özer H. Ö. , Kök F. N.  
Biochemistry and Biophysics Reports, vol.2, pp.115-122, 2015 (Refereed Journals of Other Institutions)
- II. **Microfluidic Nonwoven Based Device as a potential Biosensor for Sweat Analysis**  
Baysal G., KÖK F. N. , TRABZON L., KIZIL H., GÖCEK İ., KARAGÜZEL KAYAOĞLU B.  
Applied Mechanics and Materials, 2014 (Refereed Journals of Other Institutions)

## Books & Book Chapters

- I. **Biomimetic Lipid Membranes: Fundamentals, Applications, and Commercialization**  
Kök F. N. (Editor), Yildiz A. A. (Editor), İnci F. (Editor)  
Springer, London/Berlin , İstanbul, 2019

## Refereed Congress / Symposium Publications in Proceedings

- I. **Broadband Microwave Dielectric Property Comparison of Human Fetal Osteoblastic (hFOB) and Osteosarcoma (SaOS-2) Cell Lines**  
Macit Z., Aydinalp C., Yılmaz Abdolsaheb T., Özdabak Sert A. B. , Kök F. N.  
14th European Conference on Antennas and Propagation (EuCAP), Copenhagen, Denmark, 15 - 20 March 2020
- II. **Surface Plasmon Florescence Spectroscopy Based Biosensor for Cholera Toxin Detection**  
Bozdogan A., Seherler S., İldeniz T. A. O. , ANAÇ İ., Kök F. N.  
21st National Biomedical Engineering Meeting (BIYOMUT), İstanbul, Turkey, 24 November - 26 December 2017
- III. **Molecular Modelling in Biosensor Design for Cholera Toxin Detection**  
Cinaroglu S., ANAÇ İ., Kök F. N. , ÖZAL İLDENİZ T. A.  
21st National Biomedical Engineering Meeting (BIYOMUT), İstanbul, Turkey, 24 November - 26 December 2017
- IV. **PVA coated SPIONs with liposome layer by QCM-D as targeted drug delivery agents**  
Kuşbaz A., İŞÇİ TURUTOĞLU S., KÖK F. N.

5th International Bahçeşehir University (BAU) Drug Design Congress, Turkey, 19 - 21 October 2017

- V. **Real-time measurement of cell adhesion on model protein-coated surfaces**  
Kılıç A., Kök F. N.  
The East-West Asia Biomaterials Symposium, Taoyuan, Taiwan, 23 - 26 August 2017, pp.1
- VI. **Modification of TiN coatings to increase the osteointegration of hard tissue implants**  
ÖNDER S., Çalkoğlu A. C., KÖSE G., Kazmanlı M. K., Ürgen M. K., Kök F. N.  
The East-West Asia Biomaterials Symposium, Taoyuan, Taiwan, 23 - 26 August 2017, pp.1
- VII. **Application of human adipose derived mesenchymal stem cells on silk fibroin scaffolds for cardiac tissue engineering**  
Çetin Y., Şahin M., Kök F. N.  
The East-West Asia Biomaterials Symposium, Taoyuan, Taiwan, 23 - 26 August 2017, pp.1
- VIII. **Potential application of PLLA:PBS sponges in neural tissue engineering**  
Kanneci-Altınışık İ., Yücel D., Kök F. N., KOSE G. T.  
22nd Biomedical Science and Technology Symposium, Ankara, Turkey, 12 May - 14 June 2017, pp.1
- IX. **New Biosensing Platform Using Biomimetic Cell Membranes on Electrospun Conductive Nanofiber Mats**  
Seherler Ş., Gökçe Z., Kök F. N., SARAC A. S.  
22nd Biomedical Science and Technology Symposium, Ankara, Turkey, 12 - 14 May 2017, pp.1
- X. **Cardiomyocyte Differentiation of Human Adipose-Derived Mesenchymal Stem Cells on Silk Fibroin Scaffolds**  
Şahin M., Kök F. N., Çetin Y.  
22nd Biomedical Science and Technology Symposium, Ankara, Turkey, 12 - 14 May 2017, pp.1
- XI. **Magnesium Doping in Titanium Nitride Coatings to Increase the Osteointegration of Hard Tissue Implants**  
ÖNDER S., CALIKOGLU-KOYUNCU A. C., Kazmanlı M. K., Ürgen M. K., Kök F. N., KÖSE G.  
21st Biomedical Science and Technology Symposium, Antalya, Turkey, 22 - 24 October 2015, pp.1
- XII. **Construction of a Functional Bone Implant to Direct the Biomineralization Process**  
Özcan İ., Kazmanlı M. K., Kök F. N.  
European Society of Biomaterials (ESB2015), Krakow, Poland, 30 August - 03 September 2015, pp.1
- XIII. **Design of a Functional Degradable Wound Dressing for Acute Injuries**  
Özdabak Sert A. B., Şen B., Akarsubaşı A., Kök F. N.  
European Society of Biomaterials (ESB2015), Krakow, Poland, 30 August - 03 September 2015, pp.1
- XIV. **Design of a Functional Degradable Wound Dressing System For Effective Pain Relief**  
Şen B., Özdabak Sert A. B., Kök F. N.  
European Society of Biomaterials (ESB2015), Krakow, Poland, 30 August - 03 September 2015, pp.1
- XV. **Modification of Magnesium Coated Titanium Surfaces to Control Its Corrosion Rate**  
Mazmanoğlu O., ÖNDER S., Kök F. N., Kazmanlı M. K., Ürgen M. K.  
26th European Society of Biomaterials (ESB2014), Liverpool, United Kingdom, 31 August - 03 September 2014, pp.1
- XVI. **Double Layer Nanofiber Sandwich System in Effective Delivery of Growth Factors for Osteogenic Differentiation**  
GUNGOR-OZKERIM P. S., Bektaş E., SARAC A. S., KÖSE G., Kök F. N.  
26th European Society of Biomaterials (ESB2014), Liverpool, United Kingdom, 31 August - 03 September 2014, pp.1
- XVII. **Osteoblast Cell Proliferation on Magnesium-Substituted Hydroxyapatite (Mg-HA) Coatings**  
Kök F. N., ÖNDER S., Çalkoğlu A. C., Kazmanlı M. K., Ürgen M. K., KÖSE G.  
16th European Congress on Biotechnology, Edinburg, Scotland, 13 - 16 July 2014, pp.52-53
- XVIII. **The Effect of Complex Coacervation Technique on The Viability of Lactobacillus acidophilus LA5 and Saccharomyces cerevisiae CEN PK 113-70**  
Gülsünoğlu Z., Kök F. N., Aran N.  
3rd International Conference on Food Digestion, Wageningen, Netherlands, 11 - 13 March 2014, pp.1

- XIX. Statistical Multiplexing for Neural Nanonetworks in case of Neuron Specific Faults**  
Tezcan H., Oktug S. F. , Kök F. N.  
6th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT), St Petersburg, Russia, 6 - 08 October 2014, pp.254-259
- XX. Microfluidic Nonwoven-Based Device as a Potential Biosensor for Sweat Analysis**  
BAYSAL G., Kök F. N. , Trabzon L., Kızıl H., Göcek İ., KAYAOGLU B. K.  
2nd International Conference on Mechanical Design and Power Engineering (ICMDPE 2013), Beijing, China, 29 - 30 November 2013, pp.274-276
- XXI. Fabrication of a Textile-Based Platform for Rapid Analyte Detection**  
ONDER S., Kök F. N. , Trabzon L., Kızıl H., KAYAOGLU B. K. , Göcek İ.  
2nd International Conference on Mechanical Design and Power Engineering (ICMDPE 2013), Beijing, China, 29 - 30 November 2013, pp.1611-1612
- XXII. Characterization of (Ti,Mg)N Thin Film Coatings Produced via Physical Vapor Deposition**  
ÖNDER S., KÖSE G., Kök F. N. , Kazmanlı M. K. , Ürgen M. K.  
TMS 2013 142nd Annual Meeting & Exhibition, Biological Materials Science Symposium, San Antonio, United States Of America, 3 - 07 March 2013, pp.1
- XXIII. Polyblend nanofibers as tissue engineering matrices, 15th European Congress in Biotechnology**  
GUNGOR-OZKERIM P. S. , Balkan T., KÖSE G., Saraç S., Kök F. N.  
15th European Congress in Biotechnology, İstanbul, Turkey, 1 - 05 September 2012, pp.112
- XXIV. Development of optical laccase-based biosensors for phenolic compound detection**  
BILIR K., WEIL M., LOCHEAD J., Kök F. N. , WERNER T.  
15th European Congress in Biotechnology, İstanbul, Turkey, 1 - 04 September 2012, pp.180
- XXV. Integration of microspheres to polymeric nanofibers for tissue engineering applications**  
GUNGOR-OZKERIM P. S. , Balkan T., KÖSE G., Saraç S., Kök F. N.  
The fourth International NanoBio Conference, Seattle, United States Of America, 23 - 26 July 2012, pp.1
- XXVI. Neural Delay Lines for TDMA Based Molecular Communication in Neural Networks**  
Tezcan H., Oktuğ S. F. , Kök F. N.  
IEEE International Conference on Communications (ICC), Ottawa, Canada, 10 - 15 June 2012, pp.6209-6213
- XXVII. Integration of p-glycoprotein into artificial membranes and its interaction with drugs**  
İnci F., Türken B., Çelik Ü., Özer H. Ö. , Kök F. N.  
BIOSENSORS2012, 22nd Anniversary World Congress on Biosensors, Cancun, Mexico, 15 - 18 May 2012, pp.1
- XXVIII. Construction of (Ti,Mg) thin film coatings via physical vapor deposition technique and their properties**  
ÖNDER S., Kök F. N. , Kazmanlı M. K. , Ürgen M. K.  
4th International Symposium: Interface Biology of Implants, Warnemünde, Germany, 09 May 2011 - 11 May 2012, pp.1
- XXIX. Use of artificial lipid membranes in the study of cell membrane related proteins**  
İnci F., Türken B., Çelik Ü., Özer H. Ö. , Kök F. N.  
International Conference for Enzyme Science and Technology, Antalya, Turkey, 31 October - 04 November 2011, pp.16
- XXX. Encapsulation of food flavors via coacervation method**  
Buldur P., Kök F. N.  
European Biotechnology Congress, İstanbul, Turkey, 28 September - 01 October 2011, pp.96
- XXXI. Investigating of interactions between statin-based cholesterol lowering drugs with p-glycoprotein membrane protein by molecular modeling**  
Karasu D., Kök F. N. , Selçuki C.  
European Biotechnology Congress, İstanbul, Turkey, 28 September - 01 October 2011, pp.124
- XXXII. Construction of an in vitro Drug-Protein Interaction Platform Using Artificial Lipid Bilayers**  
İnci F., Çelik Ü., Özer H. Ö. , Kök F. N.  
24th European Conference on Biomaterials, Dublin, Ireland, 4 - 09 September 2011, pp.1
- XXXIII. Encapsulation of food flavors using a natural crosslinker**

- Buldur P., Kök F. N.  
15th European Congress in Biotechnology, İstanbul, Turkey, 2 - 05 September 2011, pp.166
- XXXIV. **Encapsulation of food flavors via coacervation method**  
Buldur P. M. , Kök F. N.  
European Biotechnology Congress, İstanbul, Turkey, 28 September - 01 October 2011, vol.22
- XXXV. **Investigating of interactions between statin-based cholesterol lowering drugs with p-glycoprotein membrane protein by molecular modeling**  
Karasu D., Kök F. N. , SELÇUKİ C.  
European Biotechnology Congress, İstanbul, Turkey, 28 September - 01 October 2011, vol.22
- XXXVI. **The effect of liposome phospholipid content on the formation of tethered bilayer lipid membranes**  
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36th FEBS Congress of the Biochemistry for Tomorrows Medicine, Torino, Italy, 25 - 30 June 2011, pp.379
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- Kök F. N. , Project Supported by Higher Education Institutions, Osteogenik Farklılaşmada Büyüme Faktörlerinin Etkili Kullanımı İçin İki Katmanlı Nanofiber Sandviç Sistem Tasarımı, 2014 - 2018
- Kök F. N. , Project Supported by Higher Education Institutions, Memeli Hücresi-Yüzey Etkileşimlerinin SPR ile Tespiti, 2012 - 2018
- Kök F. N. , Project Supported by Higher Education Institutions, Integration of P-Glycoprotein into Artificial Membranes and its interaction with drugs, 2012 - 2018
- Kök F. N. , Project Supported by Higher Education Institutions, Construction of an in vitro drug protein interaction platform using artificial lipid bilayers, 2011 - 2018
- Kök F. N. , Project Supported by Higher Education Institutions, FENOLİK BİLEŞİKLERİN TAYİN İÇİN LAKKAZ BİYOSENSÖRÜ YAPIMI, 2010 - 2018
- Kök F. N. , Project Supported by Higher Education Institutions, İpek fibroin ile oluşturulacak doku iskelelerinin performansının belirlenmesi, 2015 - 2017



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Kök F. N. , Project Supported by Higher Education Institutions, Ağrı kesici salımı yapan değişik gözeneklilikte yara örtüleri hazırlanması ve karakterizasyonu, 2015 - 2016

Kök F. N. , Project Supported by Higher Education Institutions, pH'ya duyarlı antibiyotik salımı yapan yara örtüsü geliştirilmesi, 2015 - 2016

Kök F. N. , Project Supported by Higher Education Institutions, Nanodesenli Yapıların Doku Mühendisliğinde Kullanımı, 2011 - 2016

Kök F. N. , Project Supported by Higher Education Institutions, Yapay Lipid Membranlar Hazırlanması ve Karakterizasyonu, 2010 - 2016

Kök F. N. , Project Supported by Higher Education Institutions, Sert Doku Biyomalzeme Yüzey Özelliklerinin İyileştirilmesi, 2014 - 2015

Kök F. N. , Project Supported by Higher Education Institutions, Koaservasyon Mikroorganizmalarda Canlılık Korunumunun Arttırılması, 2012 - 2013

Kök F. N. , Project Supported by Higher Education Institutions, Aromaların Koaservasyon Yolu ile Enkapsülasyonu, 2011 - 2013

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## **Memberships / Tasks in Scientific Organizations**

Biyomalzeme ve Doku Mühendisliği Derneği, Member, 2010 - Continues

Biyoteknoloji Derneği, Member, 2007 - Continues

Yönetim Kurulu, Secretary General, 2011 - 2014

## **Scientific Refereeing**

TUBITAK Project, July 2017

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Nature Scientific Reports, SCI Journal, May 2017

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### **Scientific Consultations**

TUBITAK TEYDEP 1511, Project Consultancy, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, Turkey, 2013 - 2015

### **Edit Congress and Symposium Activities**

The East-West Asia Biomaterials Symposium, Invited Speaker, Taoyuan, Taiwan, 2017  
Tıp Teknolojileri Ulusal Kongresi TIPTEKNO14, Invited Speaker, Nevşehir, Turkey, 2014  
24th European Conference on Biomaterials, Session Moderator, Dublin, Ireland, 2011

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Total Citations (WOS):515  
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### **Scholarships**

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