

Prof. SREEPARNA BANERJEE

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAZ-6742-2020

ScopusID: 57208644760

Yoksis Researcher ID: 205089

Education Information

Doctorate, University of Leeds, Gıda Bilimleri, United Kingdom 1998 - 2002

Postgraduate, University of Leeds, Gıda Bilimleri, United Kingdom 1997 - 1998

Undergraduate, Fizyoloji, India 1994 - 1997

Foreign Languages

English, C2 Mastery

Research Areas

Life Sciences, Molecular Biology and Genetics, Molecular Biology of Cancer, Natural Sciences

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 2017 - Continues

Academic and Administrative Experience

Ethics Committee Member, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 2015 - Continues

Courses

Molecular Cell Biology, Undergraduate, 2023 - 2024

BIOLOGY 2, Undergraduate, 2019 - 2020

Cell Biology Laboratory, Undergraduate, 2019 - 2020

CELL BIOLOGY, Undergraduate, 2018 - 2019

MOLECULAR BIOLOGY OF INFLAMMATORY PATHWAYS, Postgraduate, 2017 - 2018

PHYSIOLOGY, Undergraduate, 2018 - 2019

Advising Theses

Banerjee S., Activation of survival pathways in nutrient restricted colorectal cancer cells, Postgraduate, G.ORAL(Student), 2023

BANERJEE S., Induction of partial EMT with nutrient restriction and lysosomal alkalinization in caco-2 colorectal cancer cells, Doctorate, H.HAZAL(Student), 2022

BANERJEE S., The role of AKR1B10 in oxidative stress response in hepatocellular carcinoma, Postgraduate, H.TUĞRAL(Student), 2022

BANERJEE S., Analysis of transcriptome data for the evaluation of metabolic deregulation in cancer, Doctorate, I.SHERAJ(Student), 2021

BANERJEE S., Evaluation of functional changes in AKR overexpressing colorectal cell line SW480, Postgraduate, Ç.ERMİŞ(Student), 2021

BANERJEE S., Evaluation of functional changes in AKR1B1 and AKR1B10 overexpressing colorectal cancer cell lines, Postgraduate, İ.GÜDERER(Student), 2021

BANERJEE S., Synthetic biology approach for the design of butyrate producing bacteria for colon cancer therapy, Postgraduate, C.Burak(Student), 2019

Erel Göktepe İ., Banerjee S., A comparison on protein, bacterial anti-adhesive and anti-bacterial properties of zwitterionic block copolymer micelle containing ultra-thin films of varying compositions, Postgraduate, S.ULUSAN(Student), 2019

BANERJEE S., Role of butyrate in post-transcriptional regulation of inflammatory genes by regulating RNA binding proteins, Postgraduate, A.Torun(Student), 2019

YILMAZ A., BANERJEE S., Surface and modification of LP-SBA-15 with polyethyleneimine for celecoxib delivery, Postgraduate, A.FARID(Student), 2017

BANERJEE S., The functional effects of AKR1B10 overexpression in colorectal cancer cell lines, Postgraduate, E.GÜLCE(Student), 2017

ERSON BENSAN A. E., BANERJEE S., Alternative polyadenylation in a differentiation model: Caco-2, Postgraduate, O.BEĞİK(Student), 2017

BANERJEE S., The effect of 15-lipoxygenase-1 (15-LOX-1) on angiogenesis in colorectal and prostate cancer, Postgraduate, M.ÇOLAKOĞLU(Student), 2017

Erel Göktepe İ., Banerjee S., Hydrogen-bonded layer-by-layer films of poly(d,l-lactic-co-glycolic acid)-b-poly(ethylene glycol) polymersomes and tannic acid, Postgraduate, G.ÇALIŞ(Student), 2017

ÖZEN C., BANERJEE S., Induction of apoptosis and cell cycle arrest on u266 multiple myeloma cell line by prochlorperazine, Postgraduate, H.HAZAL(Student), 2016

BANERJEE S., Effects of quercetin serivative CHNQ, a potent aldo-keto reductase inhibitor, on AKR1B1 silenced HCT-116 colorectal cancer cells, Postgraduate, B.TAŞKOPARAN(Student), 2016

BANERJEE S., Effects of the quercetin derivative CHNQ, a potent aldo- keto reductase inhibitor, on akr1b1 silenced HCT-116 colorectal cancer cells, Postgraduate, B.Taşkoparan(Student), 2016

Erel Göktepe İ., Banerjee S., Effects of 15-lipoxygenase-1 on the angiogenic properties of colorectal cancer cell line SW480, Postgraduate, C.YENER(Student), 2016

BANERJEE S., Investigation of the effect of sodium butyrate on the regulation of cyclooxygenase-2 in colon cancer cell lines CACO-2 and HT-29, Postgraduate, D.HAZAR(Student), 2015

BANERJEE S., KESKİN D., Celecoxib delivery with epidermal growth factor receptor-targeted immunoliposomes for cancer therapy / , Postgraduate, Y.DWI(Student), 2015

BANERJEE S., Investigation of antioxidant properties and anticarcinogenic effects of ethanolic extract from bark of salix aegyptiaca and its fractions, Postgraduate, M.Şeyma(Student), 2014

EVİS Z., BANERJEE S., Selenium doped calcium phosphate biomimetic coating on Ti6Al4V orthopedic implant material for anti-cancer and anti-bacterial purposes, Doctorate, B.YILMAZ(Student), 2014

BANERJEE S., Structural and functional effects of non-steroidal anti-inflammatory drugs Rofecoxib and Valdecoxib on

DSPC model membranes, Postgraduate, R.RACHKAUSKAS(Student), 2014
SEVERCAN F., BANERJEE S., Molecular characterization of the effects of valdecoxib on colon cancer cell lines (ht29 & sw620) using ATR-FTIR spectroscopy, Postgraduate, A.İnan(Student), 2014
BANERJEE S., Investigation of the molecular pathways involved in intestinal epithelial differentiation, Doctorate, A.Sade(Student), 2014
BANERJEE S., Anticarcinogenic effects of the ethanolic extract from salix aegyptiaca l. in colon cancer, involvement of akt pathway, Doctorate, S.Enayat(Student), 2013
SEVERCAN F., BANERJEE S., Macromolecular characterization of adipose tissues in inbred obese mouse models, Postgraduate, İ.Şen(Student), 2012
BANERJEE S., Investigation of the effect of sodium butyrate induced differentiation on inflammatory pathways in colon cancer cells, Postgraduate, M.Küçükdemir(Student), 2012
BANERJEE S., The Mechanism of anti tumorigenic effects of 15-lox-1 in colon cancer, Doctorate, İ.Çimen(Student), 2012
SEVERCAN F., BANERJEE S., Investigation of drug-related changes on bone tissues of rat animal models in healthy and disease states, Doctorate, Ş.Garip(Student), 2012
BANERJEE S., ÇORUH N., Association of the CYP2E1, FMO3,NQO1,GST,NOS3 genetic polymorphisms with ischemic stroke risk in Turkish population, Doctorate, A.Özçelik(Student), 2011
BANERJEE S., interaction of the non steroidal anti-inflammatory drug celecoxib with pure and cholesterol-containing model membranes, Postgraduate, A.Sade(Student), 2009
BANERJEE S., Functional characterization of 15-lipoxygenase-1 expression in human colorectal carcinoma cell line ht-29, Postgraduate, S.Tunçay(Student), 2009

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Yeditepe Üniversitesi, October, 2023
Associate Professor Exam, Associate Professor Exam, Erzurum Teknik Üniversitesi, October, 2023
Associate Professor Exam, Associate Professor Exam, Hitit Üniversitesi, August, 2023
Associate Professor Exam, Associate Professor Exam, Erzurum Technical University, August, 2021
Associate Professor Exam, Associate Professor Exam, Bartın University, August, 2021
Associate Professor Exam, Associate Professor Exam, Mugla Sitki Kocman University, April, 2021
Award, BAGEP, Middle East Technical University, March, 2021
Associate Professor Exam, Associate Professor Exam, Firat University, November, 2020
Award, ODTÜ PROF. DR. MUSTAFA N. PARLAR EĞİTİM VE ARAŞTIRMA VAKFI ÖDÜLÜ, Middle East Technical University, November, 2020
Associate Professor Exam, Associate Professor Exam, Koc University, July, 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis and photoluminescence properties of Ce³⁺/Tb³⁺ and Eu³⁺ ions doped GdB₃O₆/Ca₁₀(PO₄)₆(OH)₂ Core/Shell particles as well as its cytotoxicity against colon cancer cells**
Yılmaz A., Banerjee S., Güderer İ., Uzun M. B.
JOURNAL OF MOLECULAR STRUCTURE, vol.1321, pp.139921-139932, 2025 (SCI-Expanded)
- II. **Glutamine withdrawal leads to the preferential activation of lipid metabolism in metastatic colorectal cancer**
Güleç Taşkıran A. E., Karaoğlu D. A., EYLEM C. C., Ermiş Ç., Güderer İ., NEMUTLU E., DEMİRKOL CANLI S., BANERJEE S.
Translational Oncology, vol.48, 2024 (SCI-Expanded)
- III. **Effect of Periodate-Induced Cross-linking on Dual Anticancer Drug Release from Poly(2-isopropyl-2-oxazoline)/Tannic Acid-Based Layer-by-Layer Microparticles**
Ugur E., Tidim G., GÜNDOĞDU D., Alemdar C., Oral G., HÜSNÜGİL H. H., BANERJEE S., Erel-Goktepe I.

ACS OMEGA, no.38, pp.39626-39642, 2024 (SCI-Expanded)

- IV. **Post-Transcriptional Regulation of Rab7a in Lysosomal Positioning and Drug Resistance in Nutrient-Limited Cancer Cells**
Güleç Taşkıran A. E., HÜSNÜGİL H. H., Soltani Z. E., Oral G., Menemenli N. S., Hampel C., Huebner K., Erlenbach-Wuensch K., SHERAJ I., Schneider-Stock R., et al.
Traffic, vol.25, no.9, 2024 (SCI-Expanded)
- V. **A partial epithelial-mesenchymal transition signature for highly aggressive colorectal cancer cells that survive under nutrient restriction**
Pastorino G. A., Sheraj I., Huebner K., Ferrero G., Kunze P., Hartmann A., Hampel C., HÜSNÜGİL H. H., Maiuthed A., Gebhart F., et al.
Journal of Pathology, vol.262, no.3, pp.347-361, 2024 (SCI-Expanded)
- VI. **Lysosomal alkalinization in nutrient restricted cancer cells activates cytoskeletal rearrangement to enhance partial epithelial to mesenchymal transition**
HÜSNÜGİL H. H., Güleç Taşkıran A. E., GÜDERER İ., Nehri L. N., Oral G., Menemenli N. Ş., Özcan Ö., Noghreh A., AKYOL A., BANERJEE S.
Translational Oncology, vol.41, 2024 (SCI-Expanded)
- VII. **Tuning stimuli-responsive properties of alginate hydrogels through layer-by-layer functionalization for dual-responsive dual drug release**
Gündoğdu D., Alemdar C., Turan C., Hazal Husnugil H. H., Banerjee S., Erel Göktepe İ.
Colloids and Surfaces A: Physicochemical and Engineering Aspects, vol.676, 2023 (SCI-Expanded)
- VIII. **The indispensability of macrophage adaptor proteins in chronic inflammatory diseases**
Atre R., Sharma R., Vadim G., Solanki K., Wadhonkar K., Singh N., Patidar P., Khabiya R., Samaur H., Banerjee S., et al.
International Immunopharmacology, vol.119, 2023 (SCI-Expanded)
- IX. **ATF2 loss promotes tumor invasion in colorectal cancer cells via upregulation of cancer driver TROP2**
Huebner K., Erlenbach-Wuensch K., Prochazka J., Sheraj I., Hampel C., Mrazkova B., Michalcikova T., Tureckova J., Iatsiuk V., Weissmann A., et al.
Cellular and Molecular Life Sciences, vol.79, no.8, 2022 (SCI-Expanded)
- X. **Structural and functional evaluation mammalian and plant lipoxygenases upon association with nanodics as membrane mimetics.**
Ulusan S., Sheraj I., Stehling S., Ivanov I., Das A., Kühn H., Banerjee S.
Biophysical chemistry, vol.288, pp.106855, 2022 (SCI-Expanded)
- XI. **Editorial: Epithelial to Mesenchymal Plasticity in Colorectal Cancer**
Bocci F., Schneider-Stock R., BANERJEE S.
Frontiers in Cell and Developmental Biology, vol.10, 2022 (SCI-Expanded)
- XII. **Boron Cage Triggered Micellization of a Neutral-Cationic Block Copolymer and Preparation of Boron-Containing Layer-by-Layer Microparticles**
Aydemir U., Ugur E., Ermis C., Aydemir F. N., Ozdemir E., Banerjee S., Yildirim E., Akdağ A., Erel Göktepe I.
ACS Applied Polymer Materials, vol.4, no.5, pp.3448-3461, 2022 (SCI-Expanded)
- XIII. **Development of ACE2 loaded decoy liposomes and their effect on SARS-CoV-2 for Covid-19 treatment**
Arisoy S., Kocas M., Çomoğlu T., Güderer İ., Banerjee S.
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.27, no.3, pp.290-300, 2022 (SCI-Expanded)
- XIV. **A Novel Therapeutic Peptide Blocks SARS-CoV-2 Spike Protein Binding with Host Cell ACE2 Receptor**
Rajpoot S., Ohishi T., Kumar A., Pan Q., Banerjee S., Zhang K. Y. J., Baig M. S.
DRUGS IN R&D, vol.21, no.3, pp.273-283, 2021 (SCI-Expanded)
- XV. **A pan-cancer transcriptomic study showing tumor specific alterations in central metabolism.**
Sheraj I., Guray N. T., Banerjee S.
Scientific reports, vol.11, no.1, pp.13637, 2021 (SCI-Expanded)
- XVI. **Investigation of the effects of nutrient restriction on endolysosomal signaling in colorectal cancer (CRC) cells.**

- Gulec A. E., HÜSNÜGİL H. H., Oral G., Sheraj I., BANERJEE S.
CANCER RESEARCH, vol.81, no.13, 2021 (SCI-Expanded)
- XVII. **Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition)**
Klionsky D. J., Abdel-Aziz A. K., Abdelfatah S., Abdellatif M., Abdoli A., Abel S., Abeliovich H., Abildgaard M. H., Abudu Y. P., Acevedo-Arozena A., et al.
Autophagy, vol.17, no.1, pp.1-382, 2021 (SCI-Expanded)
- XVIII. **Aldo Keto Reductases AKR1B1 and AKR1B10 in Cancer: Molecular Mechanisms and Signaling Networks.**
Banerjee S.
Advances in experimental medicine and biology, vol.1347, pp.65-82, 2021 (SCI-Expanded)
- XIX. **Core/shell type, Ce³⁺ and Tb³⁺ doped GdBO₃ system: Synthesis and Celecoxib drug delivery application**
Akman P., Ulsan S., Banerjee S., Yilmaz A.
Microporous and Mesoporous Materials, vol.308, 2020 (SCI-Expanded)
- XX. **Evaluation of an aldo-keto reductase gene signature with prognostic significance in colon cancer via activation of epithelial to mesenchymal transition and the p70S6K pathway**
Canli S. D., Seza E. G., Sheraj I., Gomceli I., Turhan N., Carberry S., Prehn J. H. M., Güre A. O., Banerjee S.
CARCINOGENESIS, vol.41, no.9, pp.1219-1228, 2020 (SCI-Expanded)
- XXI. **Low-dose curcumin reduced TNBS-associated mucin depleted foci in mice by scavenging superoxide anion and lipid peroxides, rebalancing matrix NO synthase and aconitase activities, and recoupling mitochondria**
Mouzaoui S., Banerjee S., Djerdjouri B.
INFLAMMOPHARMACOLOGY, vol.28, no.4, pp.949-965, 2020 (SCI-Expanded)
- XXII. **Enhanced expression of HNF4 alpha during intestinal epithelial differentiation is involved in the activation of ER stress**
Tuncer S., Sade-Memisoglu A., Keskus A. G., Sheraj I., GÜNER G., AKYOL A., BANERJEE S.
FEBS JOURNAL, vol.287, no.12, pp.2504-2523, 2020 (SCI-Expanded)
- XXIII. **Tumor-derived exosomes in the regulation of macrophage polarization**
Baig M. S., Roy A., Rajpoot S., Liu D., Savai R., Banerjee S., Kawada M., Faisal S. M., Saluja R., Saqib U., et al.
INFLAMMATION RESEARCH, vol.69, no.5, pp.435-451, 2020 (SCI-Expanded)
- XXIV. **15-LOX-1 has diverse roles in the resensitization of resistant cancer cell lines to doxorubicin**
Kazan H. H., Urfali-Mamatoglu C., Yalcin G. D., Bulut O., Sezer A., Banerjee S., Gündüz U.
JOURNAL OF CELLULAR PHYSIOLOGY, vol.235, no.5, pp.4965-4978, 2020 (SCI-Expanded)
- XXV. **Butyrate mediated regulation of RNA binding proteins in the post-transcriptional regulation of inflammatory gene expression**
Torun A., Enayat S., Sheraj I., Tuncer S., Ulgen D. H., Banerjee S.
CELLULAR SIGNALLING, vol.64, 2019 (SCI-Expanded)
- XXVI. **Synthesis, Characterization and Evaluation of Cytotoxic Activities of Novel Aziridinyl Phosphonic Acid Derivatives**
Khan R., ULUSAN S., BANERJEE S., DOĞAN Ö.
CHEMISTRY & BIODIVERSITY, vol.16, no.11, 2019 (SCI-Expanded)
- XXVII. **Biodegradable polymer promotes osteogenic differentiation in immortalized and primary osteoblast-like cells**
Onat B., Tuncer S., Ulsan S., Banerjee S., Erel-Goktepe I.
BIOMEDICAL MATERIALS, vol.14, 2019 (SCI-Expanded)
- XXVIII. **Inhibition of the TIRAP-c-Jun interaction as a therapeutic strategy for AP1-mediated inflammatory responses**
Srivastava M., Saqib U., Banerjee S., Wary K., Kizil B., Muthu K., Baig M. S.
INTERNATIONAL IMMUNOPHARMACOLOGY, vol.71, pp.188-197, 2019 (SCI-Expanded)
- XXIX. **Effect of side chain variation on surface and biological properties of poly(2-alkyl-2-oxazoline) multilayers**

- Çağlı E., Uğur E., Uluşan S., Banerjee S., Erel-Göktepe I.
European Polymer Journal, vol.114, pp.452-463, 2019 (SCI-Expanded)
- XXX. **Multifunctional layer-by-layer modified chitosan/poly(ethylene glycol) hydrogels**
Onat B., Uluşan S., Banerjee S., Erel Göktepe İ.
EUROPEAN POLYMER JOURNAL, vol.112, pp.73-86, 2019 (SCI-Expanded)
- XXXI. **NOS1-derived nitric oxide facilitates macrophage uptake of low-density lipoprotein.**
Roy A., Banerjee S., Saqib U., Baig M.
Journal of cellular biochemistry, 2019 (SCI-Expanded)
- XXXII. **Biologically Functional Ultrathin Films Made of Zwitterionic Block Copolymer Micelles**
Uluşan S., Bütün V., Banerjee S., Erel Göktepe İ.
LANGMUIR, vol.35, pp.1156-1171, 2019 (SCI-Expanded)
- XXXIII. **Drug repositioning as an effective therapy for protease-activated receptor 2 inhibition**
Saqib U., Savai R., Liu D., Banerjee S., Baig M. S.
JOURNAL OF CELLULAR BIOCHEMISTRY, vol.120, no.2, pp.1522-1526, 2019 (SCI-Expanded)
- XXXIV. **Determination of Autophagy in the Caco-2 Spontaneously Differentiating Model of Intestinal Epithelial Cells.**
Tunçer S., Banerjee S.
Methods in molecular biology (Clifton, N.J.), vol.1854, pp.55-70, 2019 (SCI-Expanded)
- XXXV. **Low dose dimethyl sulfoxide driven gross molecular changes have the potential to interfere with various cellular processes**
Tuncer S., Gurbanov R., Sheraj I., Solel E., Esentürk O., Banerjee S.
SCIENTIFIC REPORTS, vol.8, 2018 (SCI-Expanded)
- XXXVI. **Emerging cellular functions of the lipid metabolizing enzyme 15-Lipoxygenase-1**
Colakoglu M., Tuncer S., BANERJEE S.
CELL PROLIFERATION, vol.51, no.5, 2018 (SCI-Expanded)
- XXXVII. **Identification of biomarkers associated with partial epithelial to mesenchymal transition in the secretome of slug over-expressing hepatocellular carcinoma cells**
Karaosmanoglu O., BANERJEE S., SIVAS H.
CELLULAR ONCOLOGY, vol.41, no.4, pp.439-453, 2018 (SCI-Expanded)
- XXXVIII. **Osteoconductive layer-by-layer films of Poly(4-hydroxy-L-proline ester) (PHPE) and Tannic acid**
Onat B., Özçubukçu S., Banerjee S., Erel-Göktepe I.
EUROPEAN POLYMER JOURNAL, vol.103, pp.101-115, 2018 (SCI-Expanded)
- XXXIX. **Opposing roles of the aldo-keto reductases AKR1B1 and AKR1B10 in colorectal cancer**
TASKOPARAN B., SEZA E. G., Demirkol S., TUNCER S., Stefek M., Gure A. O., BANERJEE S.
CELLULAR ONCOLOGY, vol.40, no.6, pp.563-578, 2017 (SCI-Expanded)
- XL. **15-Lipoxygenase-1 re-expression in colorectal cancer alters endothelial cell features through enhanced expression of TSP-1 and ICAM-1**
Tuncer S., Keskus A. G., Colakoglu M., Cimen I., Yener C., KONU KARAKAYALI Ö., BANERJEE S.
CELLULAR SIGNALLING, vol.39, pp.44-54, 2017 (SCI-Expanded)
- XLI. **Valdecoxib Recovers the Lipid Composition, Order and Dynamics in Colon Cancer Cell Lines Independent of COX-2 Expression: An ATR-FTIR Spectroscopy Study.**
Inan G., GOK S., Banerjee S., SEVERCAN F.
Applied spectroscopy, vol.71, pp.105-117, 2017 (SCI-Expanded)
- XLII. **Improved solubility of celecoxib by inclusion in SBA-15 mesoporous silica: Drug loading in different solvents and release**
Eren Z. S., Tuncer S., Gezer G., Yildirim L. T., BANERJEE S., YILMAZ A.
MICROPOROUS AND MESOPOROUS MATERIALS, vol.235, pp.211-223, 2016 (SCI-Expanded)
- XLIII. **Surface Characterization and Biocompatibility of Selenium-Doped Hydroxyapatite Coating on Titanium Alloy**
Yilmaz B., EVİS Z., TEZCANER A., BANERJEE S.
INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY, vol.13, no.6, pp.1059-1068, 2016 (SCI-

Expanded)

- XLIV. **Bacterial anti-adhesive and pH-induced antibacterial agent releasing ultra-thin films of zwitterionic copolymer micelles**
Onat B., Butun V., Banerjee S., Erel-Goktepe I.
ACTA BIOMATERIALIA, vol.40, pp.293-309, 2016 (SCI-Expanded)
- XLV. **Interplay between 15-lipoxygenase-1 and metastasis-associated antigen 1 in the metastatic potential of colorectal cancer**
Tuncer S., ÇAĞATAY S., Keskus A. G., Colakoglu M., KONU KARAKAYALI Ö., BANERJEE S.
CELL PROLIFERATION, vol.49, no.4, pp.448-459, 2016 (SCI-Expanded)
- XLVI. **CHNQ, a novel 2-Chloro-1,4-naphthoquinone derivative of quercetin, induces oxidative stress and autophagy both in vitro and in vivo**
Enayat S., Ceyhan M. S., Taskoparan B., Stefek M., BANERJEE S.
ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, vol.596, pp.84-98, 2016 (SCI-Expanded)
- XLVII. **Surface Characterization and Biocompatibility of SeleniumDoped Hydroxyapatite Coating on Titanium Alloy**
YILMAZ B., TEZCANER A., EVİS Z., BANERJEE S.
Ceramics International, 2016 (SCI-Expanded)
- XLVIII. **Ethanollic Extract of Bark from Salix aegyptiaca Ameliorates 1,2-dimethylhydrazine-induced Colon Carcinogenesis in Mice by Reducing Oxidative Stress**
Bounaama A., Enayat S., Ceyhan M. S., Moulahoum H., Djerdjouri B., BANERJEE S.
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.68, no.3, pp.495-506, 2016 (SCI-Expanded)
- XLIX. **Eicosanoid pathway in colorectal cancer: Recent updates**
Tuncer S., BANERJEE S.
WORLD JOURNAL OF GASTROENTEROLOGY, vol.21, no.41, pp.11748-11766, 2015 (SCI-Expanded)
- L. **Epidermal growth factor receptor-targeted immunoliposomes for delivery of celecoxib to cancer cells**
LIMASALE Y. D. P., TEZCANER A., ÖZEN C., KESKİN D., BANERJEE S.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.479, no.2, pp.364-373, 2015 (SCI-Expanded)
- LI. **2-Chloro-1,4-naphthoquinone derivative of quercetin as an inhibitor of aldose reductase and anti-inflammatory agent**
Milackova I., Prnova M. S., Majekova M., Sotnikova R., Stasko M., Kovacikova L., BANERJEE S., Veverka M., Stefek M.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.30, no.1, pp.107-113, 2015 (SCI-Expanded)
- LII. **[5-(Benzyloxy)-1H-indol-1-yl]acetic acid, an aldose reductase inhibitor and PPAR gamma ligand**
Prnova M. S., Majekova M., Milackova I., Diez-Dacal B., Perez-Sala D., Ceyhan M. S., BANERJEE S., Stefek M.
ACTA BIOCHIMICA POLONICA, vol.62, no.3, pp.523-528, 2015 (SCI-Expanded)
- LIII. **Epigenetic Mechanisms Underlying the Dynamic Expression of Cancer-Testis Genes, PAGE2, -2B and SPANX-B, during Mesenchymal-to-Epithelial Transition**
Yilmaz-Ozcan S., Sade A., Kucukkaraduman B., Kaygusuz Y., Senses K. M., BANERJEE S., GÜRE A. O.
PLOS ONE, vol.9, no.9, 2014 (SCI-Expanded)
- LIV. **The Ethanollic Extract of Bark from Salix Aegyptiaca L. Inhibits the Metastatic Potential and Epithelial to Mesenchymal Transition of Colon Cancer Cell Lines**
Enayat S., BANERJEE S.
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.66, no.6, pp.999-1008, 2014 (SCI-Expanded)
- LV. **In Vitro Characterization of a Liposomal Formulation of Celecoxib Containing 1,2-Distearoyl-sn-Glycero-3-Phosphocholine, Cholesterol, and Polyethylene Glycol and its Functional Effects Against Colorectal Cancer Cell Lines**
ERDOĞ A., Limasale Y. D. P., KESKİN D., TEZCANER A., BANERJEE S.
JOURNAL OF PHARMACEUTICAL SCIENCES, vol.102, no.10, pp.3666-3677, 2013 (SCI-Expanded)
- LVI. **Anticarcinogenic Effects of the Ethanollic Extract of Salix aegyptiaca in Colon Cancer Cells: Involvement of Akt/PKB and MAPK Pathways**
Enayat S., Ceyhan M. S., BAŞARAN A. A., GÜRSEL M., BANERJEE S.

- NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.65, no.7, pp.1045-1058, 2013 (SCI-Expanded)
- LVII. **2-Chloro-1,4-naphthoquinone derivative of quercetin as an efficient inhibitor of AKR1B1 and AKR1B10. Implications for diabetic complications, inflammatory disorders and cancer**
Soltesova-Prnova M., Milackova I., Majekova M., Sotnikova R., Kovacikova L., Rackova L., Diez-Dacal B., Perez-Sala D., Enayat S., BANERJEE S., et al.
FREE RADICAL BIOLOGY AND MEDICINE, vol.65, 2013 (SCI-Expanded)
- LVIII. **MTA-1 expression is associated with metastasis and epithelial to mesenchymal transition in colorectal cancer cells**
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FOOD RESEARCH INTERNATIONAL, SCI Journal, May 2019
CELL DEATH & DISEASE, SCI Journal, April 2019
PLOS ONE, SCI Journal, April 2019
JOURNAL OF PHARMACY AND PHARMACOLOGY, SCI Journal, February 2019
FRONTIERS IN ONCOLOGY, SCI Journal, January 2019
JOURNAL OF TRANSLATIONAL MEDICINE, SCI Journal, December 2018
TOXICOLOGY AND APPLIED PHARMACOLOGY, SCI Journal, November 2018
CELL COMMUNICATION AND SIGNALING, SCI Journal, October 2018
H2020 Project, MSCA Marie Skłodowska-Curie Individual Fellowships Project, University College Dublin, Ireland, October 2018
H2020 Project, MSCA Marie Skłodowska-Curie Individual Fellowships Project, ElveFlow, France, October 2018
H2020 Project, MSCA Marie Skłodowska-Curie Individual Fellowships Project, Universiteit Leiden, Netherlands, October 2018
H2020 Project, MSCA Marie Skłodowska-Curie Individual Fellowships Project, Université Libre de Bruxelles, Belgium, October 2018
H2020 Project, MSCA Marie Skłodowska-Curie Individual Fellowships Project, Universiteit van Amsterdam, Netherlands, October 2018
H2020 Project, MSCA Marie Skłodowska-Curie Individual Fellowships Project, Université Paul Sabatier: Toulouse III, France, October 2018
H2020 Project, MSCA Marie Skłodowska-Curie Individual Fellowships Project, Lund University, Sweden, October 2018
H2020 Project, MSCA Marie Skłodowska-Curie Individual Fellowships Project, Massachusetts General Hospital, United States Of America, October 2018
Project Supported by Other Official Institutions, Bilim Akademisi, Turkey, October 2018
H2020 Project, MSCA Marie Skłodowska-Curie Individual Fellowships Project, Institute of Organic Chemistry and Biochemistry, Czech Republic, October 2018

H2020 Project, MSCA Marie Skłodowska-Curie Individual Fellowships Project, King's College London, United Kingdom, October 2018
H2020 Project, MSCA Marie Skłodowska-Curie Individual Fellowships Project, University of Bristol, United Kingdom, October 2018
CELL CYCLE, SCI Journal, September 2018
TUBITAK Project, 2224 - International Scientific Activities Support Program, Sabanci University, Turkey, August 2018
JOURNAL OF CELLULAR BIOCHEMISTRY, SCI Journal, July 2018
PLOS ONE, SCI Journal, June 2018
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, SCI Journal, April 2018
CELLULAR ONCOLOGY, SCI Journal, March 2018
ONCOTARGET, SCI Journal, February 2018
JOURNAL OF CELLULAR BIOCHEMISTRY, SCI Journal, February 2018

Scientific Consultations

Kobay Deneý Hayvanları , Scientific Consultancy, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, Turkey, 2021 - 2021
KOBAY DENEY HAYVANLARI LABORATUARI SANAYİ VE TİCARET A.Ş, Scientific Consultancy, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, Turkey, 2020 - 2020

Mobility Activity

Erasmus Programme, Lecturing, Jadavpur University, India, 2018 - 2018

Metrics

Publication: 105
Citation (WoS): 1589
Citation (Scopus): 1686
H-Index (WoS): 22
H-Index (Scopus): 23

Invited Talks

VI. Lipit Çalıştayı, Workshop, Hacettepe Üniversitesi, Turkey, November 2024
TuPA 2024 International Proteomics Congress, Conference, Türkiye Proteomics Association, Turkey, October 2024
2nd International Workshop on Cancer and Lipidomics, Workshop, Medipol Üniversitesi, Turkey, September 2024
3rd International Yeditepe University Genetics and Bioengineering Student Congress, Conference, Yeditepe University, Turkey, March 2020
Masterclass-3 Sempozyumu Kolorektal Tümörler, Seminar, Gastroenteroloji Cerrahisi Derneği, Turkey, March 2020
Istanbul Üniversitesi Genetik Kulübü Kış Okulu, Conference, Istanbul University, Turkey, February 2018

Awards

ODTÜ FEF En İyi Tez Ödülü, Orta Doğu Teknik Üniversitesi, October 2024
Banerjee S., Mustafa Parlar Eğitimde Üstün Başarı Ödülü, Parlar Vakfı, December 2022
Banerjee S., ODTU FEF En İyi Tez Ödülü, Middle East Technical University, July 2022

Banerjee S., ODTU FEF En İyi Tez Odulu, Middle East Technical University, October 2020

Banerjee S., Yılın Eğitimci Ödülü, Mustafa Parlar Vakfi, December 2018

Banerjee S., Yılın Eğitimci Ödülü, Mustafa Parlar Vakfi, December 2017

Banerjee S., Science Academy's Young Scientist Awards Program (BAGEP), Bilim Akademisi, May 2016

Banerjee S., Kocaeli Üniversitesi Prof Dr Baki Komsuoglu Genç Arastirmaci Odulu, Kocaeli Üniversitesi, June 2012

TÜBA Young Scientists Award, Tüba, March 2011

Banerjee S., METU Faculty of Science and Letters Best Thesis Award (Supervisor), Odtü, June 2009