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International Researcher IDs

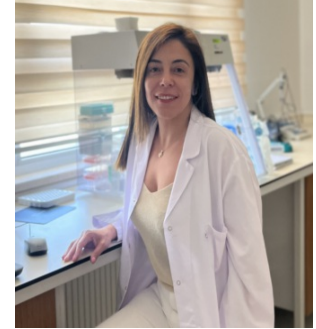
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Publons / Web Of Science ResearcherID: AAA-4789-2020

ScopusID: 37116506200

Yoksis Researcher ID: 53978



Education Information

- I. Doctorate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ve Genetik (Dr), Turkey 2012 - 2018
- II. Postgraduate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ve Genetik (YI) (Tezli), Turkey 2009 - 2012
- III. Postgraduate, Hacettepe University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 2001 - 2007

Foreign Languages

- I. German, B2 Upper Intermediate
- II. English, C1 Advanced

Certificates, Courses and Trainings

- I. Other, TÜBİTAK Bilim Söyleşileri-Steam (Fen, Teknoloji, Mühendislik, Sanat Ve Matematik) -DOKU VE ORGANLARIN 3 BOYUTLU BİYOBASKISI, Ticaret Borsası Ortaokulu ESKİŞEHİR , ODUNPAZARI, 2023
- II. Health&Medicine, INVESTIGATION OF THE RELATIONSHIP BETWEEN GLUCOSE AND INSULIN/INSULIN-LIKE GROWTH FACTORS IN COLORECTAL CANCER STEM CELLS, Erciyes Universty, Genom and Stem Cell Center (Kayseri/Turkey), 2016
- III. Foreign Language, English B2.2 Upper-Intermediate 2, Erasmus University (Rotterdam/The Netherlands), 2015
- IV. Health&Medicine, INVESTIGATION OF THE RELATIONSHIP BETWEEN GLUCOSE AND INSULIN/INSULIN-LIKE GROWTH FACTORS IN COLORECTAL CANCER CELLS - Erasmus Student Internship Mobility, Erasmus Medical Center (Rotterdam/The Netherlands), 2014
- V. Health&Medicine, The training seminar of the applied live cell imaging and cell analysis system, Sivas Cumhuriyet Üniversitesi, 2014
- VI. Foreign Language, English Speaking Course-ABIGEM, Sivas Cumhuriyet University, 2013

Dissertations

- I. Doctorate, Interplay between glucose and insulin/insulin-like growth factors in colorectal cancer (stem) cells. Thesis ID:490254 (in English), Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ve Genetik, 2017
- II. Postgraduate, Determination of the antioxidant, antimicrobial and DNA damage protection potentials of *Myrtus communis*, *Pistacia vera*, *Arum maculatum*, *Ceterach officinarum*, *Inula oculus-christi*. Thesis ID:302651, Sivas Cumhuriyet University, Moleküler Biyoloji Ve Genetik (YI) (Tezli), 2012

Research Areas

Health Sciences, Medical Biology, Molecular Biology and Genetics, Natural Sciences

Academic Titles / Tasks

- I. Assistant Professor, Sivas Cumhuriyet University, Fen Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2018 - Continues
- II. Research Assistant PhD, Sivas Cumhuriyet University, Fen Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2018 - 2018
- III. Research Assistant, Sivas Cumhuriyet University, Fen Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2010 - 2018

Academic and Administrative Experience

- I. Deputy Head of Department, Sivas Cumhuriyet University, Fen Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2024 - Continues
- II. Member of Department Quality Commission, Sivas Cumhuriyet University, Fen Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2019 - Continues
- III. Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Moleküler Biyoloji ve Genetik Bölümü, 2015 - Continues
- IV. Deputy Head of Department, Sivas Cumhuriyet University, Fen Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2019 - 2022
- V. Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Moleküler Biyoloji ve Genetik Bölümü, 2012 - 2014

Courses

- I. EĞİTİMDE ÖLÇME VE DEĞERLENDİRME (FOR304), Undergraduate, 2023 - 2024
- II. DEVELOPMENTAL BIOLOGY, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
- III. CELL CULTURE AND APPLICATIONS, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2018 - 2019
- IV. MASTER'S THESIS, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
- V. STEM CELL ISOLATION, CHARACTERIZATION AND CULTURE TECHNIQS, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
- VI. Seminar Course, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
- VII. BASIC CELL CULTURE TECHNIQS, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

- VIII. Introduction to Education, Undergraduate, 2023 - 2024
- IX. Growth Factors and IGF System, Postgraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020
- X. STEM CELL BIOLOGY, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019
- XI. CYTOGENETIC, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019
- XII. HUMAN GENETICS AND CANCER BIOLOGY, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
- XIII. Öğretmenlik Uygulaması (FOR404), Undergraduate, 2023 - 2024
- XIV. Bechalor Thesis, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
- XV. CAREER PLANNING, Undergraduate, 2021 - 2022
- XVI. MOLECULAR DIAGNOSIS METHODS, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2017 - 2018
- XVII. INTRODUCTION TO MOLECULAR BIOLOGY AND GENETICS 2 LAB, Undergraduate, 2019 - 2020
- XVIII. INTRODUCTION TO MOLECULAR BIOLOGY AND GENETICS 1 LAB, Undergraduate, 2019 - 2020
- XIX. BIOINFORMATICS, Undergraduate, 2018 - 2019
- XX. SIGNAL TRANSMISSION SYSTEMS , Undergraduate, 2017 - 2018

Advising Theses

- I. Berk Ş., Nematod caenorhabditis elegans (C. elegans) model organizmasında mTOR inhibitörlerinin rolünün araştırılması, Postgraduate, T.DEMİREL(Student), 2023
- II. Berk Ş., IDENTIFICATION OF ENDOGENIC REFERENCE GENES FOR REAL-TIME RT-QPCR NORMALIZATION IN Blaptica dubia (SERVILLE, 1838) (BLATTIDAE, BLABERINAE) AND ASSESSMENT OF EXPRESSION STABILITY, Postgraduate, E.UFUK(Student), 2022
- III. Berk Ş., IDENTIFICATION AND VALIDATION OF REFERENCE GENES FOR RT-qPCR NORMALIZATION IN Nauphoeta cinerea (OLIVIER, 1789) (BLATTODEA, BLABERIDAE), Postgraduate, K.ÖZCAN(Student), 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Insulin and IGF-1 extend the lifespan of Caenorhabditis elegans by inhibiting insulin/insulin-like signaling and mTOR signaling pathways: C. elegans - Focused cancer research**
BERK Ş.
Biochemical and Biophysical Research Communications, vol.729, 2024 (SCI-Expanded)
- II. **Lifespan extension with mTOR inhibitors rapamycin, everolimus, and temsirolimus in Caenorhabditis elegans (Maupas, 1899)**
Demirel T., Özdemir Ö. Ü., Berk Ş.
RUSSIAN JOURNAL OF NEMATOLOGY, vol.32, no.11, pp.15-30, 2024 (SCI-Expanded)
- III. **Evaluation and normalization of a set of reliable reference genes for quantitative sgk-1 gene expression analysis in Caenorhabditis elegans-focused cancer research**
Özdemir Ö. Ü., Yurt K., PEKTAŞ A. N., BERK Ş.
Nucleosides, Nucleotides and Nucleic Acids, 2024 (SCI-Expanded)
- IV. **A comprehensive and current review on the role of flavonoids in lung cancer–Experimental and theoretical approaches**
BERK Ş., KAYA S., Akkol E. K., BARDAKCI H.
Phytomedicine, vol.98, 2022 (SCI-Expanded)
- V. **Modifying Effects of Glucose and Insulin/Insulin-Like Growth Factors on Colon Cancer Cells**
Berk Ş., Janssen J. A. M. J. L., Van Koetsveld P. M., Dogan F., Değerli N., Özcan S., Kelestimur F., Hofland L. J.
FRONTIERS IN ONCOLOGY, vol.11, 2021 (SCI-Expanded)
- VI. **Amoebicidal activity of the rhizomes and aerial parts of Allium sivasicum on Entamoeba histolytica**
Değerli S., Berk Ş., Tepe B., Malatyali E.

PARASITOLOGY RESEARCH, vol.111, no.1, pp.59-64, 2012 (SCI-Expanded)

- VII. **In vitro amoebicidal activities of *Satureja cuneifolia* and *Melissa officinalis* on *Acanthamoeba castellanii* cysts and trophozoites**
Malatyali E., Tepe B., Degerli S., Berk Ş.
PARASITOLOGY RESEARCH, vol.110, no.6, pp.2175-2180, 2012 (SCI-Expanded)
- VIII. **In vitro amoebicidal activity of *Origanum syriacum* and *Origanum laevigatum* on *Acanthamoeba castellanii* cysts and trophozoites**
DEĞERLİ S., TEPE B., ÇELİKSÖZ A., BERK Ş., MALATYALI E.
EXPERIMENTAL PARASITOLOGY, vol.131, no.1, pp.20-24, 2012 (SCI-Expanded)
- IX. **In vitro amoebicidal activities of *Teucrium polium* and *T. chamaedrys* on *Acanthamoeba castellanii* trophozoites and cysts**
TEPE B., MALATYALI E., DEĞERLİ S., BERK Ş.
PARASITOLOGY RESEARCH, vol.110, no.5, pp.1773-1778, 2012 (SCI-Expanded)
- X. **Screening of the in vitro amoebicidal activities of *Pastinaca armena* (Fisch & CAMEy.) and *Inula oculus-christi* (L.) on *Acanthamoeba castellanii* cysts and trophozoites**
DEĞERLİ S., BERK Ş., MALATYALI E., TEPE B.
PARASITOLOGY RESEARCH, vol.110, no.2, pp.565-570, 2012 (SCI-Expanded)
- XI. **In vitro amoebicidal activity of four *Peucedanum* species on *Acanthamoeba castellanii* cysts and trophozoites**
MALATYALI E., TEPE B., DEĞERLİ S., BERK Ş., AKPULAT H. A.
PARASITOLOGY RESEARCH, vol.110, no.1, pp.167-174, 2012 (SCI-Expanded)
- XII. **Screening of the antioxidant, antimicrobial and DNA damage protection potentials of the aqueous extract of *Inula oculus-christi***
BERK Ş., TEPE B., ARSLAN S.
AFRICAN JOURNAL OF PHARMACY AND PHARMACOLOGY, vol.5, no.14, pp.1695-1702, 2011 (SCI-Expanded)
- XIII. **Screening of the antioxidant, antimicrobial and DNA damage protection potentials of the aqueous extract of *Asplenium ceterach* DC**
BERK Ş., TEPE B., ARSLAN S., Sarikurkcü C.
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.10, no.44, pp.8902-8908, 2011 (SCI-Expanded)
- XIV. **Chemical Composition, Radical Scavenging and Antimicrobial Activity of the Essential Oils of *Thymus boveii* and *Thymus hymalis***
TEPE B., Sarikurkcü C., BERK Ş., Alim A., AKPULAT H. A.
RECORDS OF NATURAL PRODUCTS, vol.5, no.3, pp.208-220, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Visualization of scientific production in *Caenorhabditis elegans*: a bibliometric analysis (1980–2023)**
BERK Ş., ÖZDEMİR S., PEKTAŞ A. N.
Genomics and Informatics, vol.22, no.3, 2024 (Scopus)
- II. ***Aloe vera* Gel Extract Prolongs Lifespan in *Caenorhabditis elegans***
BERK Ş.
CUMHURİYET SCIENCE JOURNAL, vol.45, no.1, pp.40-46, 2024 (Peer-Reviewed Journal)
- III. **DNA Barcoding of Commercial Cockroaches in Turkey**
BERK Ş., PEKTAŞ A. N.
CUMHURİYET SCIENCE JOURNAL, vol.44, no.1, pp.28-35, 2023 (Peer-Reviewed Journal)
- IV. **A Review on Biomaterials for Organoid Modeling and Tumor Spheroids**
BERK Ş.
Journal of Physical Chemistry and Functional Materials, vol.5, no.2, pp.1-6, 2022 (Peer-Reviewed Journal)
- V. **Identification and Validation of Reference Genes for RT-qPCR Normalization in *Nauphoeta cinerea***

(Olivier, 1789) (Blattodea, Blaberidae)

Özcan K., Pektaş A. N., Berk Ş.

Bilge International Journal of Science and Technology Research, vol.6, no.1, pp.62-72, 2022 (Peer-Reviewed Journal)

VI. Selection and Validation of Potential Reference Genes for Quantitative Real-Time PCR Analysis in Blaptica Dubia (Serville, 1838) (Blattidae, Blaberidae)

KARAKAŞ E. U., PEKTAŞ A. N., BERK Ş.

CUMHURİYET SCIENCE JOURNAL, vol.43, no.2, pp.176-182, 2022 (Peer-Reviewed Journal)

VII. Selection and Validation of Reference Genes for Quantitative Real-time PCR in the Mealworm Beetle, Tenebrio molitorL. (Coleoptera: Tenebrionidae)

Berk Ş., Pektaş A. N.

IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS) (2020), vol.13, pp.44-50, 2020 (Peer-Reviewed Journal)

Books & Book Chapters

I. MicroRNAs in Colorectal Cancer Metastasis

Berk Ş.

in: Current Debates in Molecular Biology and Genetics, Assist. Prof. Dr. Metin ERTAŞ, Editor, BİDGE Yayınları, Ankara, pp.120-145, 2023

II. Glucose Metabolism and Cancer

Berk Ş.

in: Current Debates in Molecular Biology and Genetics, Assist. Prof. Dr. Metin ERTAŞ, Editor, BİDGE Yayınları, Ankara, pp.64-91, 2023

III. IN SILICO ANALYSIS OF BIOACTIVE PEPTIDES

Pektaş A. N., Berk Ş.

in: Academic Research and Reviews in the Field of Science and Mathematics, Prof. Dr. Hüsniye Sağlıkler, Editor, Platanus Publishing, Ankara, pp.558-571, 2023

IV. EPIGENETICS AND CANCER

Berk Ş., Pektaş A. N.

in: Academic Research and Reviews in the Field of Science and Mathematics, Prof. Dr. Hüsniye Sağlıkler, Editor, Platanus Publishing, Ankara, pp.572-585, 2023

V. TRANSCRIPTOME AND METABOLOME ANALYSIS IN CAENORH ABDITIS ELEGANS MODEL ORGANISM

Berk Ş., Pektaş A. N.

in: International Research in Science and Mathematics, Filiz ÖZBAŞGERÇEKER, Hasan AKGÜL, Hayri BABA, Editor, SERÜVEN YAYINEVİ, İzmir, pp.131-144, 2022

VI. Caenorhabditis elegans as a model for anti-cancer drug discovery

Berk Ş.

in: CURRENT RESEARCH IN THE SCIENCE AND MATHEMATICAL SCIENCES, Prof. Dr. Cansu FİLİK İŞÇEN, Editor, Livre de Lyon, Lyon, pp.73-90, 2022

VII. DNA BARCODING AS A TOOL FOR MOLECULAR SPECIES IDENTIFICATION

Pektaş A. N., Berk Ş.

in: THEORETICAL AND APPLIED ACADEMIC STUDIES IN THE FIELD OF BIOLOGY, Şifa TÜRKOĞLU, Editor, İksad Yayınevi, Ankara, pp.233-262, 2022

VIII. Colorectal cancer stem cell isolation, identification and culture

Berk Ş.

in: SPECIAL TOPICS IN BIOLOGICAL SCIENCES, Nimet YILDIRIM TİRGİL, Editor, İksad Yayınevi, Ankara, pp.63-90, 2022

- I. **Creation of Lipidomic Profiles of Some Model Organisms**
Özdemir Ö. Ü., Berk Ş.
5th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2024), Ankara, Turkey, 26 - 28 June 2024, pp.1079-1087
- II. **Approaches to Modeling Biological Experimental Data with GraphPad Prism 6**
Özdemir Ö. Ü., Berk Ş.
5th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2024), Ankara, Turkey, 26 - 28 June 2024, pp.1072-1078
- III. **Analysis of the effects of combinations of OSI-906, which is an inhibitor of insulin and insulin-like growth factor 1 receptors (IR/IGF-IR), and mTOR inhibitors (rapamycin, everolimus, temsirolimus) on the egg production of Caenorhabditis elegans and imaging with Scanning Electron Microscopy.**
Özdemir Ö. Ü., Başyıldız B., Kaleli R., Yurt K., Berk Ş.
6. INTERNATIONAL ANTALYASCIENTIFIC RESEARCH AND INNOVATIVE STUDIES CONGRESS, Antalya, Turkey, 2 - 04 December 2023, pp.228-242
- IV. **Investigation of the effects of combinations of the antidiabetic drug metformin and mTOR inhibitors (rapamycin, everolimus, temsirolimus) on Caenorhabditis elegans fertilization and imaging with Scanning Electron Microscopy**
Özdemir Ö. Ü., Bayram H. S., Duman İ., Karasakız E., Berk Ş.
6. INTERNATIONAL ANTALYASCIENTIFIC RESEARCH AND INNOVATIVE STUDIES CONGRESS, Antalya, Turkey, 2 - 04 December 2023, pp.213-227
- V. **Caenorhabditis elegans: EFFECTS OF LIQUID CULTURE MEDIA ON EGG PRODUCTION**
Özdemir Ö. Ü., Berk Ş.
2. INTERNATIONAL PARIS CONGRESS ON MEDICAL & HEALTH SCIENCES, Paris, France, 24 - 26 October 2023, pp.118-135
- VI. **GENOMIC IMPRINTING AND EPIGENETIC CHANGES IN THE EARLY EMBRYO**
Emlik N. N., Berk Ş.
2. INTERNATIONAL PARIS CONGRESS ON MEDICAL & HEALTH SCIENCES, Paris, France, 24 - 26 October 2023, pp.154-168
- VII. **INVESTIGATION OF THE EFFECTS OF EVEROLIMUS, AN INHIBITOR OF mTOR, ON C. elegans FERTILIZATION**
Demirel T., Berk Ş.
ÇANKAYA INTERNATIONAL CONGRESS ON SCIENTIFIC RESEARCH, Ankara, Turkey, 10 - 12 April 2023, pp.892-893
- VIII. **THE RELATIONSHIP BETWEEN METFORMIN, TYPE 2 DIABETES, COLON CANCER**
Bayram H. S., Berk Ş.
INTERNATIONAL PARIS CONGRESS ON APPLIED SCIENCES, Paris, France, 1 - 03 April 2023, pp.172-181
- IX. **TUMOR SUPPRESSOR GENES AND ONCOGENES**
Demirkoparan G., Berk Ş.
7th International Innovative Studies of Contemporary Scientific Research Congress, Tokyo, Japan, 21 - 23 April 2023, pp.1038-1048
- X. **Caenorhabditis elegans: LABORATORY GROWTH AND MAINTENANCE**
Duman İ., Berk Ş.
7th International Conference on Innovative Studies of Contemporary Sciences, Tokyo, Japan, 21 - 23 April 2023, pp.1028-1037
- XI. **INDUCED PLURIPOTENT STEM CELLS**
Başyıldız B., Berk Ş.
INTERNATIONAL PARIS CONGRESS ON APPLIED SCIENCES, Paris, France, 1 - 03 April 2023, pp.160-171
- XII. **THE MOLECULAR MECHANISM OF CANCER METASTASIS**
Kaleli R., Berk Ş.

Latin American International Congress on Natural and Applied Sciences -IV, Rio De Janeiro, Brazil, 13 - 15 March 2023, pp.28-40

- XIII. **GLUCOSE TRANSPORTERS IN CANCER METABOLISM**
Özdemir Ö. Ü., Berk Ş.
Latin American International Congress on Natural and Applied Sciences -IV, Rio De Janeiro, Brazil, 13 - 15 March 2023, pp.16-27
- XIV. **CONSIDERATIONS FOR NORMALISATION OF RT-QPCR IN BIOLOGICAL RESEARCH**
Berk Ş.
3RD INTERNATIONAL ANATOLIAN CONGRESS ON SCIENTIFIC RESEARCH, Kayseri, Turkey, 27 - 29 December 2022, vol.1, pp.222-226
- XV. **EPIGENETIC CHANGES IN COLON CANCER**
Berk Ş.
7th ASIA PACIFIC INTERNATIONAL MODERN SCIENCES CONGRESS, Jakarta, Indonesia, 4 - 05 November 2022, pp.183-193
- XVI. **INSULIN-LIKE GROWTH FACTOR SYSTEM AS A THERAPEUTIC TARGET IN COLORECTAL CANCER**
Berk Ş.
CUKUROVA 9 th INTERNATIONAL SCIENTIFIC RESEARCHES CONFERENCE, Adana, Turkey, 9 - 11 October 2022, vol.2, pp.1292-1301
- XVII. **mTOR SIGNALING PATHWAY AND ITS ROLE IN COLORECTAL CANCER TREATMENT**
Berk Ş.
INTERNATIONAL CONFERENCE ON CHEMICAL AND BIOLOGICAL SCIENCES, Katsina, Nigeria, 20 - 21 September 2022, pp.80-88
- XVIII. **CAENORHABDITIS ELEGANS: A MODEL SYSTEM FOR CANCER RESEARCH**
Berk Ş.
II-INTERNATIONAL CONFERENCE ON GLOBAL PRACTICE OF MULTIDICIDPLINARY SIENTIFIC STUDIES, Batumi, Georgia, 26 - 28 July 2022, pp.857-866
- XIX. **CHARACTERISTICS OF CANCER STEM CELLS AS THERAPEUTIC TARGETS**
Berk Ş.
INTERNATIONAL CAPITAL CONFERENCE ON MULTIDISCIPLINARY SCIENTIFIC RESEARCH, Lisbon, Portugal, 13 - 14 July 2022, pp.129-136
- XX. **THREE-DIMENSIONAL CELL CULTURE SYSTEMS IN CANCER RESEARCH**
Berk Ş.
2. INTERNATIONAL CAPPADOCIA SCIENTIFIC RESEARCH CONGRESS, Nevşehir, Turkey, 17 - 19 June 2022, pp.462-478
- XXI. **Investigation of phenolic acid content, cytotoxic and DNA damage protection potentials of *Lycopodium clavatum***
Berk Ş., Ergül M., Ergül M., Baltaş H., Altun A.
22. Ulusal Farmakoloji Kongresi, Antalya, Turkey, 4 - 07 November 2013
- XXII. **Investigation of the phenolic acid content, cytotoxic and DNA damage protection potentials of *Thymus herba-borano***
Ergül M., Berk Ş., Ergül M., Baltaş H., Altun A.
22. Ulusal Farmakoloji Kongresi, Antalya, Turkey, 4 - 07 November 2013
- XXIII. **Investigation of *Punica granatum* and *Olea europoea* for their phenolic acid content and DNA damage protection potentials.**
Berk Ş., Ergül M., Ergül M., Baltaş H., Altun A.
22. Ulusal Farmakoloji Kongresi, Antalya, Turkey, 4 - 07 November 2013
- XXIV. **Investigation of *Punica granatum* and *Olea europoea* for their cytotoxic activity**
Ergül M., Ergül M., Berk Ş., Baltaş H., Altun A.
22. Ulusal Farmakoloji Kongresi, Antalya, Turkey, 4 - 07 November 2013
- XXV. **Investigation of the cytotoxic and DNA damage protection potentials of *O. syriacum* and *S. tomentosa***
Ergül M., Berk Ş., Ergül M., Baltaş H., Tutar Y.

25. Ulusal Biyokimya Kongresi, İzmir, Turkey, 3 - 06 September 2013
- XXVI. **Thymus herba barona türünün sitotoksik ve DNA koruyucu aktivitelerinin araştırılması**
ERGÜL M., BERK Ş., ERGÜL M., BALTAŞ H.
25. Ulusal Biyokimya Kongresi, İzmir, Turkey, 3 - 06 September 2013
- XXVII. **Investigation of antioxidant antimicrobial and DNA protective activities of Myrtus communis Ceterach officinarum Inula oculus christi.**
Berk Ş., Çetinkaya S., Harun B., Hüsünet M. T., Çilkiz M., Tepe B.
2. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Antalya, Turkey, 15 - 18 November 2012
- XXVIII. **Screening of antimicrobial, antioxidant and DNA damage protection potentials of Pistacia khinjuk**
Karagöz I. D., Kiliç I. H., Çakmak A., Tepe B., Hüsünet M. T., Çilkiz M., Akgül H., Özaslan M., Berk Ş.
. 21. Ulusal Biyoloji Kongresi, İzmir, Turkey, 3 - 07 September 2012
- XXIX. **Screening of antimicrobial, antioxidant and DNA damage protection potentials of Pistacia vera**
Mustafa Ç., Kiliç I. H., Tepe B., Karagöz I. D., Hüsünet M. T., İşler D., Berk Ş., Bozkurt Güzel Ç., Akgül H., Özaslan M.
21. Ulusal Biyoloji Kongresi, İzmir, Turkey, 3 - 07 September 2012

Supported Projects

- I. Berk Ş., Demirkoparan G., TÜBİTAK Project, Sivas ili yöresel tıbbi bitkilerinden Madımak (*Polygonum cognatum*-Meissn.) ve Sirken (*Chenopodium album*-L.) türlerinin moleküler tanımlanması için DNA barkodlama teknolojisinin potansiyel uygulaması, 2024 - 2025
- II. Berk Ş., Özdemir Ö. Ü., Project Supported by Higher Education Institutions, Examination of lipidomic change of *Caenorhabditis elegans* after glucose, insulin and metformin administration., 2023 - 2024
- III. Berk Ş., Çetin A., Durna Daştan S., Yurtcu N., Özdemir Ö. Ü., Project Supported by Higher Education Institutions, Investigation of the effects of the antidiabetic drug metformin and the dual IGF1 / insulin receptor antagonist OSI-906 in the nematode *Caenorhabditis elegans* model and determination of the expression levels of insulin / IGF-1 signaling (IIS) pathway components Project No: F-636, 2021 - 2024
- IV. Berk Ş., Özdemir Ö. Ü., Karasakız E., Bayram H. S., Project Supported by Higher Education Institutions, Investigation of the effects of the antidiabetic drugs metformin and mTOR inhibitors (rapamycin, everolimus, temsirolimus) individually and in combination on fertilization of *Caenorhabditis elegans* individuals and Imaging with Scanning Electron Microscopy, 2022 - 2023
- V. Berk Ş., Kaleli R., Başyıldız B., Yurt K., Project Supported by Higher Education Institutions, Analysis and Scanning Electron Microscopy of the effects of combinations of insulin and insulin-like growth factor 1 receptors (IR/IGF-IR) inhibitors OSI-906 and mTOR inhibitors (rapamycin, everolimus, temsirolimus) on egg production of *Caenorhabditis elegans* individuals, 2022 - 2023
- VI. Berk Ş., Kaleli R., Başyıldız B., TÜBİTAK Project, Investigation of the effects of combinations of insulin and insulin-like growth factor 1 receptors (IR/IGF-IR) inhibitors OSI-906 and mTOR inhibitors (rapamycin, everolimus, temsirolimus) on aging in *Caenorhabditis elegans* and insulin/insulin-like growth factor (IGF) and determination of gene expression levels of mTOR pathway components, 2022 - 2023
- VII. Berk Ş., Yurt K., Özdemir Ö. Ü., TÜBİTAK Project, Selection and validation of reliable reference genes for gene expression analysis of quantitative insulin/insulin-like growth factor (IGF) and mTOR pathway components by real-time RT-qPCR in the nematode *Caenorhabditis elegans* model, 2022 - 2023
- VIII. Berk Ş., Karasakız E., Bayram H. S., TÜBİTAK Project, Investigation of the effects of the combination of the antidiabetic drug metformin and mTOR inhibitors (rapamycin, everolimus, temsirolimus) on aging in the Nematode *Caenorhabditis elegans* model and determining the gene expression levels of the mTOR pathway components., 2022 - 2023
- IX. Berk Ş., Yurtçu N., Çetin A., Durna Daştan S., Özkaraca M., Project Supported by Higher Education Institutions, "Sıçan Batın içi Endometriozis Modelinde VEGFR1-3 Kinaz İnhibitörü Frukuntinibin Etkisi: VEGF/VEGFR ve Hippo-Yap Moleküllerinin Rolü" adlı 221S049 numaralı TÜBİTAK projesi kapsamında immünohistokimya deneylerinin yapılması Proje No:T-2022-953, 2022 - 2023

- X. Berk Ş., Demirel T., Project Supported by Higher Education Institutions, Investigation of the role of mTOR inhibitors in the nematode *Caenorhabditis elegans* (*C. elegans*) model organism. Project No: F-652, 2021 - 2023
- XI. Berk Ş., Project Supported by Higher Education Institutions, Investigation of the effects of insulin/insulin-like growth factors in the nematode *Caenorhabditis elegans* (*C. elegans*) model organism. Project No: F-651, 2021 - 2023
- XII. Durna Daştan S., Çetin A., Berk Ş., Özkara M., Yurtcu N., TÜBİTAK Project, Sıçan Batın içi Endometriyozis Modelinde VEGFR1-3 Kinaz İnhibitörü Frukuintinibin Etkisi: VEGF/VEGFR ve Hippo-Yap Moleküllerinin Rolü, 2021 - 2023
- XIII. BERK Ş., Project Supported by Higher Education Institutions, Ülkemizde yetişen bazı bitki türlerinin anti parazitik ve DNA koruyucu aktivitelerinin incelenmesi Proje No F 346, 2011 - 2013

Activities in Scientific Journals

- I. Jove-Journal of Visualized Experiments, Editor, 2024 - Continues

Scientific Refereeing

- I. TÜBİTAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Sivas Cumhuriyet University, Turkey, February 2024
- II. INTERNATIONAL JOURNAL OF GERONTOLOGY, Journal Indexed in SCI-E, December 2023
- III. Türk Doğa ve Fen Dergisi, National Scientific Refreed Journal, November 2023
- IV. MICROBIAL PATHOGENESIS, Journal Indexed in SCI-E, November 2023
- V. Gümüşhane Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, September 2023
- VI. FRONTIERS IN ONCOLOGY, SCI Journal, July 2023
- VII. TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, SCI Journal, December 2022
- VIII. CUMHURİYET SCIENCE JOURNAL, National Scientific Refreed Journal, October 2022
- IX. CUMHURİYET SCIENCE JOURNAL, National Scientific Refreed Journal, July 2022
- X. Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, June 2021
- XI. TÜRK DOĞA VE FEN DERGİSİ, National Scientific Refreed Journal, April 2021
- XII. TÜBİTAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Sivas Cumhuriyet University, Turkey, February 2020
- XIII. Türk Biyoçeşitlilik Dergisi, Other Journals, October 2019
- XIV. Turkish Journal of Agriculture - Food Science and Technology, Other Indexed Journal, October 2019
- XV. Cumhuriyet Science Journal, National Scientific Refreed Journal, February 2019
- XVI. Sinop Üniversitesi Fen Bilimleri Dergisi, Other Journals, February 2019
- XVII. Cumhuriyet Science Journal, National Scientific Refreed Journal, October 2018
- XVIII. Cumhuriyet Science Journal, National Scientific Refreed Journal, February 2018
- XIX. Pharmaceutical Biology, SCI Journal, March 2014
- XX. PHARMACEUTICAL BIOLOGY, SCI Journal, February 2014
- XXI. PHARMACEUTICAL BIOLOGY, SCI Journal, November 2013
- XXII. PHARMACEUTICAL BIOLOGY, SCI Journal, September 2013

Mobility Activity

- I. Other, Seminar, Eskişehir Ticaret Borsası Ortaokulu, Turkey, 2023 - 2023
- II. Erasmus Programme, Lecturing, Arnavutluk Tiran Üniversitesi, Albania, 2023 - 2023
- III. Erasmus Programme, Lecturing, Addis Ababa University, Ethiopia, 2021 - 2021
- IV. Erasmus Programme, Lecturing, Université Abdelmalek Essadi, Morocco, 2018 - 2018

- V. Other, Research During Graduate Education, Erciyes University, Turkey, 2016 - 2017
- VI. Erasmus Programme, Student Mobility, Erasmus Universiteit Rotterdam, Netherlands, 2014 - 2015

Metrics

Publication: 59
Citation (WoS): 283
Citation (Scopus): 312
H-Index (WoS): 9
H-Index (Scopus): 9

Congress and Symposium Activities

- I. Novel Developments in the management of pituitary and Adrenal tumors, Working Group, Rotterdam, Netherlands, 2015
- II. Science Days, Working Group, Antwerp, Belgium, 2015
- III. 2. National Congress of Molecular Biology and Biotechnology, Working Group, Antalya, Turkey, 2012
- IV. 9. Ankara Biotechnology Days, Microbial Biotechnology, Working Group, Ankara, Turkey, 2011
- V. 1st International Symposium of Secondary Metabolites, Working Group, Denizli, Turkey, 2011
- VI. 1.National Congress of Molecular Biology and Biotechnology, Working Group, Antalya, Turkey, 2010

Coaching Duties

Refereeing Duties

Non Academic Experience

- I. The Language Training Centre, Erasmus University, Rotterdam/Hollanda
- II. ABİGEM (EU Business Development Center) Sivas/Türkiye
- III. Pıanalitik Dershaneleri Çubuk/Ankara
- IV. Ankara Kampüs Dershaneleri