

## **Prof. Nihal Ömür BULAN**

### **Personal Information**

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**Address:** İstanbul Üniversitesi, Fen Fakültesi, Biyoloji Bölümü, 34134, Vezneciler, İstanbul

### **International Researcher IDs**

ORCID: 0000-0002-6591-7317

Publons / Web Of Science ResearcherID: AAD-1906-2020

Yoksis Researcher ID: 37902

### **Education Information**

Doctorate, İstanbul University, Institute of Graduate Studies In Sciences, Biyoloji Anabilim Dalı, Turkey 1991 - 1998

Postgraduate, İstanbul University, Institute of Graduate Studies In Sciences, Biyoloji Anabilim Dalı, Turkey 1988 - 1990

Undergraduate, İstanbul University, Faculty Of Science, Depertment of Biology, Turkey 1983 - 1987

### **Foreign Languages**

English, B2 Upper Intermediate

### **Certificates, Courses and Trainings**

Education Management and Planning, Oksidatif stres, DNA hasarı, DNA onarımı ve Hastalıklar, İstanbul Kültür Üniversitesi MOBİGEN, 2013

Education Management and Planning, Mikroskopi Teknikleri ve Uygulamaları, İ.Ü.Fen Fak. Biyoloji Böl. ve Leica Gantenbein, 2008

Education Management and Planning, Introduction to confocal microscopy and its application, Leica Microsystems, 2006

Education Management and Planning, UYGULAMALI DENEY HAYVANLARI KURSU, İ.Ü. DETAE, 2006

### **Dissertations**

Doctorate, Effects of thyroid hormones on the small intestine, İstanbul University, Institute of Graduate Studies In Sciences, Fen Fakültesi Bölümü, 1998

Postgraduate, Relationships between aging and cell kinetics in Ehrlich ascites tumor cells, İstanbul University, Faculty Of Science, Depertment of Biology, 1990

### **Research Areas**

Life Sciences, Biochemistry, Biochemical Toxicology, Animal Physiology, Natural Sciences

## **Academic Titles / Tasks**

Professor, İstanbul University, Faculty of Science, Department of Biology, 2016 - Continues  
Associate Professor, İstanbul University, Faculty of Science, Department of Biology, 2012 - 2016  
Assistant Professor, İstanbul University, Faculty of Science, Department of Biology, 2001 - 2012  
Research Assistant, İstanbul University, Faculty of Science, Department of Biology, 1987 - 2001

## **Academic and Administrative Experience**

Head of Department, İstanbul University, Faculty Of Science, Department of Biology, 2022 - Continues  
İstanbul Üniversitesi, Faculty of Science, 2016 - Continues  
İstanbul Üniversitesi, Faculty of Science, Department of Biology, 2012 - 2015

## **Courses**

CELL SURFACE; MOLECULAR APPROACH, Postgraduate, 2019 - 2020  
TÜMÖR İMMÜNOLOJİSİ, Doctorate, 2019 - 2020  
MICROSCOPY TECHNIQUES, Undergraduate, 2019 - 2020, 2016 - 2017, 2015 - 2016, 2013 - 2014  
SELECTED TOPICS IN IMMUNOLOGY, Undergraduate, 2019 - 2020  
CELL BIOLOGY, Undergraduate, 2019 - 2020, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008  
CELL BIOLOGY, Undergraduate, 2019 - 2020, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014  
Cell, Undergraduate, 2019 - 2020  
SİTOLOJİK TEKNİKLER, Postgraduate, 2016 - 2017, 2015 - 2016, 2013 - 2014  
STRES FİZYOLOJİSİ, Undergraduate, 2016 - 2017, 2015 - 2016, 2013 - 2014  
ELEMENTLERİN ORGANİZMALARDAKİ ETKİLERİ, Doctorate, 2012 - 2013, 2011 - 2012  
MİKROSKOPİ TEKNİKLERİ, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010  
SİTOLOJİK TEKNİKLER, Postgraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2001 - 2002  
TÜMÖR İMMÜNOLOJİSİ, Doctorate, 2012 - 2013  
STRES FİZYOLOJİSİ, Undergraduate, 2012 - 2013  
İMİMMÜNOLOJİDE SEÇME KONULAR, Undergraduate, 2012 - 2013  
İMİMMÜNOLOJİ, Undergraduate, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003  
MİKROPREPARASYON, Undergraduate, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003

## **Advising Theses**

Bulan N. Ö., Organofosforlu Pestisitlerin Neden Olduğu İnce Bağırsak Toksisitesine Karşı Lupeolün Koruyucu Etkileri, Doctorate, H.US(Student), Continues  
Bulan N. Ö., The Effects of Apocynin Against Chloroquine and Gamma Radiation Induced Intestinal Injury, Doctorate, A.Sezen(Student), Continues  
Bulan N. Ö., THE ROLE OF LUPEOL AGAINST PESTICIDES INDUCED OXIDATIVE LIVER DAMAGE, Postgraduate, M.ÇÖREMEN(Student), 2020  
Bulan N. Ö., Evaluation as Nav1.7 Voltage Gated Sodium Channel (VGSC) Blocker of Ranolazine and Riluzole Combination, Postgraduate, C.Önen(Student), 2019  
Bulan N. Ö., THE EFFECTS OF METFORMİN IN VIVO RAT DUNNING PROSTATE CANCER CELLS AND DIABETES MODEL, Doctorate, P.KÖROĞLU(Student), 2017  
Bulan N. Ö., The role of melatonin and carnosine on intestinal injury induced by gamma irradiation in rats, Postgraduate,

H.US(Student), 2014

Bulan N. Ö., The role of melatonin on rat small intestinal toxicity induced by aluminum, Postgraduate,  
G.SARIKAYA(Student), 2011

## Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Üniversitesi, June, 2020  
Post Graduate, Post Graduate, İstanbul Üniversitesi, June, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Üniversitesi, June, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Üniversitesi, June, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Üniversitesi, February, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Üniversitesi, February, 2020

Associate Professor Exam, Associate Professor Exam, İstanbul Üniversitesi, August, 2019

Post Graduate, Post Graduate, İstanbul Üniversitesi, August, 2019

Doctorate, Doctorate, İstanbul Üniversitesi, June, 2019

Academic Staff Examination, Academic Staff Examination, İstanbul Üniversitesi, February, 2019

Doctorate, DOKTORA TEZ SAVUNMA JÜRİSİ, İSTANBUL ÜNİVERSİTESİ, May, 2017

Doctoral Examination, YETERLİLİK JÜRİSİ, FEN BİLİMLERİ ENSTİTÜSÜ, June, 2014

Post Graduate, TTEZ SAVUNMA JÜRİSİ, FEN BİLİMLERİ ENSTİTÜSÜ, March, 2014

Post Graduate, Tez savunma Jürisi, FEN BİLİMLERİ ENSTİTÜSÜ, January, 2014

Doctoral Examination, YETERLİLİK JÜRİSİ, FEN BİLİMLERİ ENSTİTÜSÜ, June, 2013

Post Graduate, Ttez SAVUNMA JÜRİSİ, FEN BİLİMLERİ ENSTİTÜSÜ, June, 2013

Doctoral Examination, YETERLİLİK JÜRİSİ, FEN BİLİMLERİ ENSTİTÜSÜ, December, 2012

Doctoral Examination, YETERLİLİK JÜRİSİ, FEN BİLİMLERİ ENSTİTÜSÜ, December, 2012

Post Graduate, Tez Savunma Jürisi, FEN BİLİMLERİ ENSTİTÜSÜ, October, 2012

Doctoral Examination, YETERLİLİK JÜRİSİ, FEN BİLİMLERİ ENSTİTÜSÜ, May, 2012

Doctorate, Tez Savunma Jürisi,, FEN BİLİMLERİ ENSTİTÜSÜ, November, 2011

Post Graduate, Tez Savunma Jürisi,, FEN BİLİMLERİ ENSTİTÜSÜ, June, 2011

Post Graduate, Tez Savunma Jürisi, FEN BİLİMLERİ ENSTİTÜSÜ, June, 2011

Post Graduate, Tez Savunma Jürisi, FEN BİLİMLERİ ENSTİTÜSÜ, June, 2011

Post Graduate, Tez Savunma Jürisi,, FEN BİLİMLERİ ENSTİTÜSÜ, December, 2010

Post Graduate, Tez Savunma Jürisi, FEN BİLİMLERİ ENSTİTÜSÜ, April, 2010

Post Graduate, Tez Savunma Jürisi, FEN BİLİMLERİ ENSTİTÜSÜ, January, 2009

Post Graduate, Tez Savunma Jürisi, FEN BİLİMLERİ ENSTİTÜSÜ, October, 2008

Post Graduate, Tez Savunma Jürisi, FEN BİLİMLERİ ENSTİTÜSÜ, January, 2007

Post Graduate, Tez Savunma Jürisi, , FEN BİLİMLERİ ENSTİTÜSÜ, June, 2006

Post Graduate, Tez Savunma Jürisi, FEN BİLİMLERİ ENSTİTÜSÜ, January, 2006

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

### I. Glycoprotein Levels and Oxidative Stomach Damage in Diabetes and Prostate Cancer Model: Protective Effect of Metformine

Ertik O., Köroğlu P., Bulan N. Ö., Yanardağ R.

ACTA CHIMICA SLOVENICA, vol.70, pp.574-587, 2023 (SCI-Expanded)

### II. Oxidative brain and cerebellum injury in diabetes and prostate cancer model: Protective effect of metformin

Dağsuyu E., Köroğlu P., Bugan Güll İ., Bulan N. Ö., Yanardağ R.

- JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.0, 2023 (SCI-Expanded)
- III. **Protective effect of melatonin and carnosine against radiation induced kidney injury**  
TÜRKYILMAZ İ. B., Us H., Sezen Us A., Karabulut-Bulan O., YANARDAĞ R.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.331, no.9, pp.3551-3561, 2022 (SCI-Expanded)
- IV. **Lupeol inhibits pesticides induced hepatotoxicity via reducing oxidative stress and inflammatory markers in rats**  
Çöremen M., Türkyılmaz İ. B., Us H., Sezen Us A., Çelik S., Özel A., Bulan N. Ö., Yanardağ R.  
FOOD AND CHEMICAL TOXICOLOGY, 2022 (SCI-Expanded)
- V. **Brain Boron Level, DNA Content, and Myeloperoxidase Activity of Metformin-Treated Rats in Diabetes and Prostate Cancer Model**  
Ozel A. B., Dagsuyu E., Aydin P. K., Bugan I., Bulan O. K., Yanardag R., YARAT A.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.200, no.3, pp.1164-1170, 2022 (SCI-Expanded)
- VI. **The protective effect of metformin against testicular damage in diabetes and prostate cancer model**  
Aydin P. K., Karabulut-Bulan O., Bugan I., Turkyilmaz I. B., Altun S., Yanardag R.  
CELL BIOCHEMISTRY AND FUNCTION, vol.40, no.1, pp.60-70, 2022 (SCI-Expanded)
- VII. **Metformin protects against diabetes-induced heart injury and dunning prostate cancer model**  
BAYRAK B. B., Koroglu P., BULAN N. Ö., Yanardag R.  
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.40, no.2, pp.297-309, 2021 (SCI-Expanded)
- VIII. **Histological and biochemical investigation of the renoprotective effects of metformin in diabetic and prostate cancer model**  
Koroglu-Aydin P., BAYRAK B. B., Bugan I., Karabulut-Bulan O., YANARDAĞ R.  
TOXICOLOGY MECHANISMS AND METHODS, vol.31, no.7, pp.489-500, 2021 (SCI-Expanded)
- IX. **Effects of microplastics and mercury on manila clam *Ruditapes philippinarum*: Feeding rate, immunomodulation, histopathology and oxidative stress**  
Sık dokur E., Belivermiş M., Sezer N., Pekmez M., Bulan Ö. K., Kılıç Ö.  
Environmental Pollution, vol.262, 2020 (SCI-Expanded)
- X. **Galectin-1 exhibits a protective effect against hepatotoxicity induced by dextran sulfate sodium in mice.**  
Arda-Pirincci P., Sacan O., Ozal-Coskun C., Aykol-Celik G., Karabulut-Bulan O., Yanardag R., Bolkent S.  
Human & experimental toxicology, vol.39, pp.423-432, 2020 (SCI-Expanded)
- XI. **The role of melatonin and carnosine in prevention of oxidative intestinal injury induced by gamma irradiation in rats**  
Karabulut-Bulan O., Us H., Bayrak B. B., Sezen-Us A., Yanardag R.  
BIOLOGIA, vol.72, no.8, pp.935-945, 2017 (SCI-Expanded)
- XII. **THE EFFECT OF OXYTOCIN TREATMENT ON THE ADULT LIVER OF STREPTOZOTOCIN (STZ) - INDUCED DIABETIC RATS**  
Koroglu P., Bulan O. K., Ozakpinar O. B., Uras F., ARBAK S.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.8, pp.5013-5020, 2017 (SCI-Expanded)
- XIII. **Protective Effects of Vitamin E and Selenium Administration on Small Intestinal Damage Prior to Abdominal Radiation**  
Karabulut-Bulan O., Bolkent S., Kizir A., Yanardag R.  
PAKISTAN JOURNAL OF ZOOLOGY, vol.48, no.5, pp.1225-1232, 2016 (SCI-Expanded)
- XIV. **Role of Exogenous Melatonin on Cell Proliferation and Oxidant/Antioxidant System in Aluminum-Induced Renal Toxicity**  
Karabulut-Bulan O., Bayrak B. B., Arda-Pirincci P., Sarikaya-Unal G., Us H., Yanardag R.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.168, no.1, pp.141-149, 2015 (SCI-Expanded)
- XV. **Melatonin is a potent modulator of antioxidative defense and cellular proliferation against aluminum toxicity in rats**  
Bulan N. Ö., Sarikaya-Unal G., Tunali S., Arda-Pirincci P., Yanardag R.  
TURKISH JOURNAL OF BIOLOGY, vol.39, no.6, pp.911-924, 2015 (SCI-Expanded)
- XVI. **The Role of Vitamin C, Vitamin E, and Selenium on Cadmium-Induced Renal Toxicity of Rats**

- Karabulut-Bulan O., Bolkent S., Yanardag R., Bilgin-Sokmen B.  
 DRUG AND CHEMICAL TOXICOLOGY, vol.31, no.4, pp.413-426, 2008 (SCI-Expanded)
- XVII. **The effects of combined alpha-tocopherol, ascorbic acid, and selenium against cadmium toxicity in rat intestine.**  
 BOLKENT Ş., KOYUTÜRK M., KARABULUT-BULAN O., TUNALI S., Yanardağ R., OĞUZ TABAKOĞLU A.  
 JOURNAL OF ENVIRONMENTAL PATHOLOGY TOXICOLOGY AND ONCOLOGY, vol.26, no.1, pp.21-27, 2007 (SCI-Expanded)
- XVIII. **Protective role of *Melissa officinalis* L. extract on liver of hyperlipidemic rats: A morphological and biochemical study**  
 Bolkent S., Yanardag R., Karabulut-Bulan O., Yesilyaprak B.  
 JOURNAL OF ETHNOPHARMACOLOGY, vol.99, no.3, pp.391-398, 2005 (SCI-Expanded)
- XIX. **Protective effects of metformin treatment on the liver injury of streptozotocin-diabetic rats**  
 Yanardag R., Ozsoy-Sacan O., Bolkent S., Orak H., Karabulut-Bulan O.  
 HUMAN & EXPERIMENTAL TOXICOLOGY, vol.24, no.3, pp.129-135, 2005 (SCI-Expanded)
- XX. **Effects of parsley (*Petroselinum crispum*) on the liver of diabetic rats: a morphological and biochemical study**  
 Bolkent S., Yanardag R., Ozsoy-Sacan O., Karabulut-Bulan O.  
 PHYTOTHERAPY RESEARCH, vol.18, no.12, pp.996-999, 2004 (SCI-Expanded)
- XXI. **Effects of chard (*Beta vulgaris* L. var *cicla*) on the liver of the diabetic rats: A morphological and biochemical study**  
 Ozsoy-Sacan O., Karabulut-Bulan O., Bolkent S., Yanardag R., Ozgey Y.  
 BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY, vol.68, no.8, pp.1640-1648, 2004 (SCI-Expanded)
- XXII. **The morphological and biochemical effects of glibornuride on rat liver in experimental diabetes**  
 Bolkent S., Yanardag R., Karabulut-Bulan O., Ozsoy-Sacan O.  
 HUMAN & EXPERIMENTAL TOXICOLOGY, vol.23, no.5, pp.257-264, 2004 (SCI-Expanded)
- XXIII. **Effects of vanadyl sulfate on kidney in experimental diabetes**  
 Yanardag R., Bolkent S., Karabulut-Bulan O., Tunali S.  
 BIOLOGICAL TRACE ELEMENT RESEARCH, vol.95, no.1, pp.73-85, 2003 (SCI-Expanded)
- XXIV. **Effects of vanadyl sulphate on kidney in experimental diabetes.**  
 Yanardağ R., BOLKENT Ş., BULAN N. Ö., TUNALI S.  
 BIOLOGICAL TRACE ELEMENT RESEARCH, vol.95, pp.73-84, 2003 (SCI-Expanded)
- XXV. **The effects of chard (*Beta vulgaris* L. var. *cicla*) extract on the kidney tissue, serum urea and creatinine levels of diabetic rats**  
 Yanardag R., Bolkent S., Ozsoy-Sacan O., Karabulut-Bulan O.  
 PHYTOTHERAPY RESEARCH, vol.16, no.8, pp.758-761, 2002 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Evaluation of the Antiproliferative Effect of Safranal in C-4 I Cervical Cancer Cell Line**  
 ATHOUMANI ALI S., ÖZCAN F. G., BULAN N. Ö.  
 Doğu Karadeniz Sağlık Bilimleri Dergisi, East Black Sea Journal of Health Sciences C, vol.2, no.1, pp.117-138, 2023  
 (Peer-Reviewed Journal)
- II. **Drug repurposing: Metformin's effect against liver tissue damage in diabetes and prostate cancer model**  
 Aydin P. K., TÜRKYILMAZ İ. B., Gul İ., BULAN N. Ö., YANARDAĞ R.  
 Journal of Diabetes and Metabolic Disorders, vol.22, no.1, pp.225-236, 2023 (ESCI)
- III. **Hepatoprotective Activity of Melatonin against Aluminium-Induced Toxicity and Oxidative Damage**  
 Tunali S., Bulan N. Ö., Sarıkaya Ünal G., Yanardağ R.  
 Kafkas Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.13, no.1, pp.25-34, 2020 (Peer-Reviewed Journal)
- IV. **The influence of melatonin supplementation against aluminum-induced toxicity in brains of male rats**

- Karabulut Bulan O., Bayrak B. B., Sarikaya-Unal G., Yanardag R.  
 JOURNAL OF RESEARCH IN PHARMACY, vol.23, no.2, pp.275-283, 2019 (ESCI)
- V. A New Insight Into Metformin Action: Diabetes, Prostate Cancer, and Ion Channels  
 Karabulut-Bulan O.  
 MARMARA PHARMACEUTICAL JOURNAL, vol.20, no.2, pp.216-223, 2016 (ESCI)
- VI. The Role of Insulin-Like Growth Factor-I and Polyamines in Developing Rat Small Intestine.  
 KARABULUT-BULAN O., BOLKENT S.  
 IUFS J Biol, vol.70, no.2, pp.13-24, 2011 (Peer-Reviewed Journal)
- VII. The effects of prophythiouracil on small intestine of mice: A light and electron microscobical study.  
 KARABULUT-BULAN .  
 IUFS J Biol., vol.67, no.2, pp.129-134, 2008 (Peer-Reviewed Journal)
- VIII. Sıçan tiroid bezinde kadmiyum hasarına karşı C vitamini, E vitamini ve selenyumun kombinasyonlarının etkileri  
 Karabulut-Bulan O., Koyuturk M., Bolkent S., YANARDAĞ R., Tabakoglu-Oguz A.  
 CERRAHPAŞA TIP DERGİSİ, vol.35, no.4, pp.174-180, 2004 (Peer-Reviewed Journal)
- IX. Karabulut-Bulan Ö., "The effects of thyroid hormones on the epithelial cells of the small intestine.  
 KARABULUT- BULAN O.  
 IUFS J Biol, vol.61/62, pp.1-23, 2001 (Peer-Reviewed Journal)
- X. Deneysel diabette karaciğer üzerine metforminin ultrastrüktürel etkileri", , 8 (2), 14-17 (2000).  
 BOLKENT S., Yanardağ R., KARABULUT-BULAN „, ÖZSOY-SAÇAN Ö.  
 Morfoloji Dergisi, vol.8, no.2, pp.14-17, 2000 (Peer-Reviewed Journal)
- XI. The effects of pentachloronitrobenzene and pentachloronitrobenzene + vitamin E on the rat liver  
 YANARDAĞ R., Bolkent S., Bulan O.  
 Chimica Acta Turcica, vol.26, pp.105-111, 1998 (Peer-Reviewed Journal)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. The role of apocynin against the effects of chloroquine-enhanced radiotherapy on healthy tissues  
 Sezen Us A., Dağsuyu E., Us H., Çöremen M., Bulan N. Ö., Yanardağ R.  
 6TH INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Ankara, Turkey, 11 - 13 October 2023, pp.226
- II. Ameliorative Effects of Apocynin on Histopathological and Biochemical Changes Induced by Chloroquine and Gamma Radiation in Testes Experimental Model  
 Köroğlu P., Ertik O., Sezen Us A., Us H., Çöremen M., Bulan N. Ö., Yanardağ R.  
 26. Ulusal Elektron Mikroskopı Kongresi, Eskişehir, Turkey, 20 - 23 September 2023, pp.104
- III. ÇEŞİTLİ PESTİSİTLERİN RAT TESTİS DOKUSUNDA MEYDANA GETİRDİĞİ HASARA KARŞI LUPEOLÜN ROLÜ  
 Çöremen M., Köroğlu P., Türkyılmaz İ. B., Us H., Sezen Us A., Bulan N. Ö., Yanardağ R.  
 26. ULUSAL ELEKTRON MİKROSKOPİ KONGRESİ, Eskişehir, Turkey, 21 - 23 September 2023, pp.77
- IV. IMMUNOLOGICAL AND HISTOLOGICAL EFFECTS OF MORINGA OLEIFERA EXTRACT IN DRUG INDUCED RENAL DAMAGE  
 Magaji U. F., Çöremen M., Bulan N. Ö., Saçan Ö., Yanardağ R.  
 MAIDEN FOOD SAFETY AND NUTRITION SUMMIT, Birnin Kebbi, Nigeria, 07 June 2023, pp.32
- V. The Role of Metformin Against Diabetes and Cancer-induced Small Intestinal Damage  
 Dağsuyu E., Bugan Güllü İ., Köroğlu P., Bulan N. Ö., Yanardağ R.  
 4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), Ankara, Turkey, 14 - 16 December 2022, pp.28
- VI. The Role of Apocynin Against Radiation and Chloroquine-Induced Testicular Damage  
 Ertik O., Köroğlu P., Sezen Us A., Us H., Çöremen M., Bulan N. Ö., Yanardağ R.  
 5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Ankara,

- Turkey, 23 - 25 November 2022, pp.1664
- VII. **Protective effects of metformin against diabetes-induced lens damage and dunning prostate cancer model**  
TÜRKYILMAZ İ. B., KÖROĞLU AYDIN P., BUGAN İ., BULAN N. Ö., YANARDAĞ R.  
3. EBAT Congress, Antalya, Turkey, 04 November 2021, pp.80
- VIII. **Melatonin and carnosine ameliorate ionizing radiation-induced oxidative brain damage in rats**  
TÜRKYILMAZ İ. B., Us H., Sezen Us A., BULAN N. Ö., YANARDAĞ R.  
3. EBAT Congress, Antalya, Turkey, 04 November 2021, pp.29
- IX. **The role of lupeol against pesticides induced oxidative damage.**  
ÇÖREMEN M., TÜRKYILMAZ İ. B., Us H., Sezen Us A., BULAN N. Ö., YANARDAĞ R.  
MC 2021 Digital Microscopy Conference, Wien, Austria, 22 August 2021, pp.369
- X. **Metformin protects against diabetes-induced pancreas injury and dunning prostate cancer model**  
ERTİK O., KÖROĞLU AYDIN P., BUGAN İ., BULAN N. Ö., YANARDAĞ R.  
2nd International Congress on Medical Sciences and Biotechnology, Uşak, Turkey, 1 - 03 October 2020, pp.380
- XI. **PROTECTIVE EFFECTS OF MELATONIN AND CARNOSINE AGAINST RADIATION-INDUCED LIVER INJURY IN RATS**  
SAÇAN Ö., BULAN N. Ö., Us H., CAN A., YANARDAĞ R.  
“XI. Aziz Sancar DETAЕ Günleri”, İstanbul, Turkey, 28 - 29 January 2020, pp.12
- XII. **Metforminin Dunning Prostat Kanser Modelinde Karaciğer Hasarı Üzerine Etkileri**  
Türkyilmaz İ. B., Köroğlu P., Bugan İ., Bulan N. Ö., Yanardağ R.  
“XI. Aziz Sancar DETAЕ Günleri”, İstanbul, Turkey, 28 - 29 November 2019, pp.17-18
- XIII. **Dunning Sıçan Prostat Kanser Modelinde Beyin Hasarına Karşı Metforminin Koruyucu Etkisi**  
Dağsuyu E., Köroğlu P., BULAN N. Ö., YANARDAĞ R.  
“XI. Aziz Sancar DETAЕ Günleri”, İstanbul, Turkey, 28 - 29 November 2019, pp.0-10
- XIV. **PROTECTIVE EFFECTS OF MELATONIN AND CARNOSINE AGAINST RADIATION-INDUCED LIVER INJURY IN RATS**  
Saçan Ö., Bulan N. Ö., Us H., Can A., Yanardağ R.  
“XI. Aziz Sancar DETAЕ Günleri”, İstanbul, Turkey, 28 - 29 November 2019, pp.12
- XV. **Dunning Prostat Kanser Modelinde Kalp Doku İlaşarr Ye Metibrminin Rolü**  
BAYRAK B. B., KÖROĞLU P., BULAN N. Ö., YANARDAĞ R.  
31.Uluslararası Kimya Kongresi, İstanbul, Turkey, 10 September - 13 October 2019
- XVI. **Dunning Prostat Kanser Modelinde Kalp Doku Hasarı ve Metforminin Rolü**  
BAYRAK B. B., Köroğlu P., BULAN N. Ö., YANARDAĞ R.  
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, pp.76
- XVII. **Protective effects of metformin against liver damage in Dunning rat prostate cancer model**  
TÜRKYILMAZ İ. B., Köroğlu P., BULAN N. Ö., BUGAN İ., YANARDAĞ R.  
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- XVIII. **New Study on Metformin Action Against Testicular Injury: Prostate ,Cancer, Diabetes and Diabtes - Cancer Connection**  
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- XIX. **The Role of Metformin on the Rat Prostate Cancer Cells: Proliferation and Lateral Motility**  
BUGAN İ., ALTUN S., BULAN N. Ö., DJAMGOZ M.  
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- XX. **Protective effect of metformin against kidney damage in Dunning rat prostate cancer model**  
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- XXI. **Dunning prostat kanser modelinde karaciğer hasarı ve metformin**  
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- XXIII. **Protective Effect of Metformin Againsts Gastric Damage in Diabetes and Dunning Rat Prostate Cancer Model**  
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- XXIV. **Propertive Properties of Melatonin Against Aluminum Induced Brain Injury**  
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II International Turkic World Conference on Chemical Sciences and Technology, Skopje, Macedonia, 26 - 30 October 2016, vol.OR 111, pp.113
- XXV. **Protective Effect of Metformin Against Heart Damage in Dunning Rat Prostate Cancer Model**  
BAYRAK B. B., Koroglu P., BULAN N. Ö., YANARDAĞ R.  
2nd International Turkic World Conference on Chemical Sciences and Technologies (2nd ITWCSST 2016), Üsküp, Macedonia, 26 - 30 October 2016, pp.167
- XXVI. **Meformin diyabet ve Prostat kanser modelinde testiküler hasarı düzeltir**  
Köroğlu P., Bulan N. Ö., Türkyılmaz İ. B., Bugan İ., Altun S., Yanardağ R.  
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- XXVII. **Prostat kanserli sığanların testislerinde metforminin anti-oksidatif etkisi**  
Köroğlu P., BULAN N. Ö., TÜRKYILMAZ İ. B., Bugan İ., Altun S., YANARDAĞ R.  
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- XXVIII. **Protective Effects of Carnosine And Melatonin Against Nephrotoxicity Caused By Gamma Radiation in Rats**  
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- XXIX. **Melatonin and Carnosine Ameliorate Ionizing Radiation -Induced Oxidative Small Intestinal Damage in Rats**  
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- XXX. **EFFECTS OF RILUZOLE ON HISTOPATHOLOGY OF TESTES IN RAT PROSTATE CANCER MODEL**  
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12. Mutinational Congress on Microscopy, Eger, Hungary, 23 - 28 August 2015, pp.145
- XXXI. **Antioxidant Effects of Carnosine and Melatonin Against Gamma Radiation-Induced Small Intestine Injury**  
Karabulut Bulan O., Bayrak B. B., Us H., Sezen A., YANARDAĞ R., BULAN N. Ö.  
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- XXXII. **Melatonin Ameliorates Aluminum Induced testicular damage by Affecting Antioxidant Defense System in Rat**  
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- XXXIII. **The effect of oxytocin treatment on streptozotocin (STZ) - induced diabetic adult rat liver.**  
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- XXXIV. **Hepatoprotective activity of melatonin against aluminium-induced liver injury in rats.**  
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44th World Chemistry Congress, Turkey, 1 - 04 August 2013, pp.932
- XXXV. **Melatonin prevents rat kidney injury caused by exposure to aluminium**  
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38th Congress of the Federation-of-European-Biochemical-Societies (FEBS), Saint Peter, Guernsey And Alderney, 6 - 11 July 2013, vol.280, pp.560-561
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Federation of European Biochemical Societies CONGRESS 2013 "Mechanisms in Biology", S.Petersburg, Russia, 1 - 04 July 2013
- XXXVII. **Melatonin is a potent modulator of antioxidative defense and cell proliferation against aluminum toxicity in rats**  
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38th Congress of the Federation-of-European-Biochemical-Societies (FEBS), Saint Peter, Guernsey And Alderney, 6 - 11 July 2013, vol.280, pp.561
- XXXVIII. **Alüminyumla oluşturulan sıçan ince bağırsak toksisitesi üzerinde melatonin rolü**  
SARIKAYA-ÜNAL G., BULAN N. Ö., ARDA - PİRİNÇİ P.  
21. Ulusal Biyoloji Kongresi, İzmir, Turkey, 1 - 04 September 2012, pp.209
- XXXIX. **The role of insulin-like growth factor -I and polyamines in developing rat small intestine.**  
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XIII International Congress of Histochemistry and Cytochemistry, Poland, 1 - 04 August 2008, vol.46, pp.41
- XL. **The effects of vitamin C, vitamin E and selenium againts cadmium toxicity on intestine of rats.**  
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- XLI. **The effects of vitamin C, vitamin E and selenium against cadmium toxicity on intestine of rats**  
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- XLII. **Abdominal radyasyon öncesi verilen E vitamini ve selenyumun ince barsak hasarı üzerindeki koruyucu etkileri**  
Karabulut Ö., Bolkent \$., Yanardağ R., Kizir A.  
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- XLIII. **Oğul otu (*Melissa officinalis*) ekstraktının hiperlipidemili sıçanların karaciğer lipid peroksidasyonu ve glutatyon düzeyleri üzerine etkileri**  
YANARDAĞ R., Bolkent \$., Yeşilyaprak B., Karabulut Bulan Ö., KARABULUT-BULAN Ö.  
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- XLIV. **Propylthiouracil and small intestine: A light and electron microscopical study**  
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15th International Congress on Electron Microscopy, South Africa, 1 - 04 September 2002, pp.429-430
- XLV. **The effect of vanadyl sulphate on kidney in experimental diabetes.**  
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- XLVII. **Pazı (*Beta vulgaris var cicla*) ekstraktının diabetik sıçanların böbrek dokusu, serum üre ve kreatinin düzeyleri üzerine etkileri**

- YANARDAĞ R., Bolkent S., Saçan Ö., Karabulut-Bulan Ö.  
 XIII. Bitkisel İlaç Hammaddeleri Toplantısı, İstanbul, Turkey, 20 - 22 September 2000, pp.15
- XLVIII. Deneysel diabette karaciğer üzerine metforminin etkileri**  
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 26. Ulusal Fizyoloji Kongresi, Eskişehir, Turkey, 4 - 08 September 2000, pp.1
- XLIX. Oğul Otu'nun (*Melissa officinalis*) Hiperlipidemili Sıçanların Karaciğeri Üzerine Etkileri.**  
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 XIII. Bitkisel İlaç Hammaddeleri Toplantısı, İstanbul, Turkey, 1 - 04 September 2000, pp.70
- L. The effects of glibornuride on ultrastructural changes of liver in streptozotocin diabetes**  
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- LI. Diyabetli sıçanların karaciğeri üzerine pazı (*Beta vulgaris L. var. cicla*)'nın etkileri: Işık ve elektron mikroskopik bir çalışma**  
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 14. Ulusal Elektron Mikroskopi Kongresi, Bursa, Turkey, 29 September - 02 October 1999, pp.1
- LII. Maydonoz'un (*Petroselinum crispum*) diyabetik sıçanların karaciğeri üzerine etkileri. Morfolojik ve biyokimyasal çalışma.**  
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 25. Ulusal Fizyoloji Kongresi (Uluslararası Katılımlı, Elazığ, Turkey, 1 - 04 September 1999, pp.191
- LIII. Diabetli sıçanların karaciğeri üzerine pazı (*Beta vulgaris L. var cicla*) nın etkileri. Işık ve elektron mikroskopik bir çalışma 40, Bursa, 1999.**  
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 YANARDAĞ R., Bolkent S., Karabulut-Bulan Ö.  
 Hayvan Fizyolojisi, Hayvan Morfolojis, Anatomisi ve Sistematigi Seksyonu, İstanbul, Turkey, 17 - 20 September 1996, pp.1
- LV. Ehrlich Ascites Tümör hücrelerinde yaşlanma ile hücre kinetiği arasındaki ilişkiler.**  
 KARABULUT-BULAN .  
 XIII.Uluslararası Biyoloji Kongresi, İstanbul, Turkey, 1 - 04 September 1996, vol.3, pp.470-479
- LVI. Porcellio laevis (Crustacea: Isopoda) hepatopankreası mikroorganizmalarının mikrobiyolojik-sitolojik yöntemlerle saptanması**  
 özmutlu Ö, Ang Kücüker M, Şan T, ERKAN M, KİMİRAN ERDEM A, BULAN N. Ö.  
 XI. Ulusal Elektron Mikroskobu Kongresi, Edirne, Turkey, 1 - 04 September 1993, pp.155-156

## Supported Projects

- BULAN N. Ö., Project Supported by Higher Education Institutions, GAMA RADYASYONUNUN NEDEN OLDUĞU KARACİĞER HASARI ÜZERİNE KARNOZİN VE MELATONİNİN KORUYUCU ETKİLERİ, 2015 - 2017
- BULAN N. Ö., Project Supported by Higher Education Institutions, İn Vivo Sıçan Dunning Prostat Kanser Hücreleri ve Diyabet Modelinde Metforminin Etkileri, 2014 - 2017
- BAYRAK B. B., YANARDAĞ R., BULAN N. Ö., SARIKAYA ÜNAL G., Project Supported by Higher Education Institutions, Protective Properties of Melatonin Against Aluminum Induced Brain Injury, 2016 - 2016
- BULAN N. Ö., Project Supported by Higher Education Institutions, Melatonin and Carnosine Ameliorate Ionizing Radiation-Induced Oxidative Small Intestinal Damage in Rats, 2015 - 2016
- BULAN N. Ö., Project Supported by Higher Education Institutions, ANTIOXIDANT EFFECTS OF CARNOSINE AND MELATONIN AGAINST GAMMA RADIATION-INDUCED SMALL INTESTINE INJURY, 2015 - 2015
- BULAN N. Ö., Project Supported by Higher Education Institutions, Gama Radyasyonun Neden Olduğu İnce Bağırsak Hasarına Karşı Karnozin ve Melatoninin Etkileri, 2011 - 2014
- BULAN N. Ö., Project Supported by Higher Education Institutions, Melatonin Prevents Rat Kidney Caused by

Exposure to Aluminium, 2013 - 2013

BULAN N. Ö., Project Supported by Higher Education Institutions, Aluminyumla oluşturulan sıçan böbrek hasarı üzerinde melatoninin rolü, 2010 - 2012

BULAN N. Ö., Project Supported by Higher Education Institutions, Aluminyum ile Oluşturulan Sıçan İnce Bağırsak Toksisitesi Üzerinde Melatoninin Rolü, 2009 - 2011

BULAN N. Ö., Project Supported by Higher Education Institutions, Gelişmekte olan sıçan karaciğeri üzerinde a-difluoromethylornitine'nin etkisi, 2009 - 2011

BULAN N. Ö., Project Supported by Higher Education Institutions, The role of Insulin-Like Growth Factor-I and Poliamins in Developing Rat Small Intestine, 2008 - 2008

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

Türk Elektron Mikroskopi Derneği, Principal Member, 2016 - Continues, Turkey

European Microscopy Society (EMS), Member, 2002 - Continues

International Federation of Societies for Histochemistry and Cytochemistry, Member, 2002 - Continues

Biyologlar Derneği, Member, 1998 - Continues

Türk Elektron Mikroskopi Derneği, Member, 1998 - Continues

## **Scientific Refereeing**

Eurjbiol, National Scientific Refreed Journal, November 2019

Project Supported by Higher Education Institutions, June 2014

Toxicology and Industrial Health, SCI Journal, May 2014

Toxicology and Industrial Health, SCI Journal, April 2014

TUBITAK Project, August 2013

TURKISH JOURNAL OF BIOLOGY , National Scientific Refreed Journal, March 2011

## **Metrics**

Publication: 92

Citation (WoS): 446

Citation (Scopus): 557

H-Index (WoS): 10

H-Index (Scopus): 10

## **Congress and Symposium Activities**

31. uLUSAL kİMYA kONGRESİ, Attendee, İstanbul, Turkey, 2019

7.Multidisipliner Kanser Araştırma & 1.Temel Onkoloji Kongresi Uluslararası katılımlı, Attendee, İzmir, Turkey, 2018

XXVIII World Congress World Association of Societies of Pathology and Laboratory Medicine, Attendee, Cancún, Mexico, 2016

15th International Conference on Oxidative Stress Reduction, redox homeostasis and antioxidants, Attendee, Paris, France, 2015

Deneysel Tasarım ve Ön Biyoistatistik Sempozyumu, Attendee, İstanbul, Turkey, 2014

18TH International Microscopy Congress, Attendee, Prag, Czech Republic, 2014

İyon Kanalları Kanser Sempozyumu, Attendee, İstanbul, Turkey, 2014

44th World Chemistry Congress, Attendee, İstanbul, Turkey, 2013

Federation of European Biochemical Societies CONGRESS "Mechanisms in Biology" 2013, Attendee, St. Petersburg,

Russia, 2013

Federation of European Biochemical Societies CONGRESS 2013 "Mechanisms in Biology", Attendee, St. Petersburg, Russia, 2013

21. Ulusal Biyoloji Kongresi, Attendee, İzmir, Turkey, 2012

Joint Congress of FEPS and Turkish Society of Physiological Sciences, Attendee, İSTANBUL, Turkey, 2011

Programlı Hücre Ölümü: Güncel Yaklaşımlar "Sempozyumu", Attendee, İSTANBUL, Turkey, 2011

II. DETAЕ Günleri, Attendee, İSTANBUL, Turkey, 2010

I. Kök Hücre Sempozyumu, Attendee, İSTANBUL, Turkey, 2010

I. DETAЕ Günleri, Attendee, İSTANBUL, Turkey, 2009

Programlı Hücre Ölümü Sempozyumu, Attendee, İSTANBUL, Turkey, 2008

XIII International Congress of Histochemistry and Cytochemistry, Attendee, GDANSK, Poland, 2008

12th International Congress of Histochemistry and Cytochemistry, Attendee, SAN DIEGO, United States Of America, 2004

Uluslararası Katılımlı 16. Elektron Mikroskopi Kongresi, Attendee, İZMİR, Turkey, 2003

Birinci Ulusal Glikobiyoloji Kongresi, Attendee, İZMİR, Turkey, 2003

XVI. Ulusal Kimya Kongresi, Attendee, KONYA, Turkey, 2002

15th International Congress on Electron Microscopy, Attendee, DURBAN, South Africa, 2002

15th International Congress on Electron Microscopy, Attendee, DURBAN, South Africa, 2002

10th Scientific Conference Electron Microscopy Society of Malaysia, Attendee, Malaysia, 2001

XIII. Bitkisel İlaç Hammaddeleri Toplantısı, Attendee, İSTANBUL, Turkey, 2000

XIII. Bitkisel İlaç Hammaddeleri Toplantısı, Attendee, İSTANBUL, Turkey, 2000

Türk Fizyolojik Bilimler Derneği 26. Ulusal Kongresi (Uluslararası Katılımlı), Attendee, ESKİŞEHİR, Turkey, 2000

12th European Congress on Electron Microscopy, Attendee, BRNO, Czech Republic, 2000

14. Ulusal Elektron Mikroskopi Kongresi (Uluslararası Katılımlı), Attendee, BURSA, Turkey, 1999

25. Ulusal Fizyoloji Kongresi (Uluslararası Katılımlı), Attendee, ELAZIĞ, Turkey, 1999

Uluslararası katılımlı 13.Uluslararası Elektron Mikroskopi Kongresi, Attendee, ANKARA, Turkey, 1997

XIII.Uluslararası Biyoloji Kongresi, Attendee, İSTANBUL, Turkey, 1996

XIII.Uluslararası Biyoloji Kongresi, Attendee, İSTANBUL, Turkey, 1996

XII. Ulusal Elektron Mikroskopi Kongresi (Uluslararası Katılımlı), Attendee, ANTALYA, Turkey, 1995

XII. Ulusal Biyoloji Kongresi, Attendee, EDİRNE, Turkey, 1994

XI. Ulusal Elektron Mikroskopi Kongresi, Attendee, EDİRNE, Turkey, 1993

## Awards

BULAN N. Ö., İstanbul Üniversitesi Bilimsel Araştırma Projeleri Başarılı Araştıracı Ödülü, İstanbul Üniversitesi Bilimsel Araştırma Projeleri, April 2009

KALKAN N., BULAN N. Ö., TÜbitak Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, July 2008

ARDA PİRİNÇİ B. P., BULAN N. Ö., İstanbul Üniversitesi Bilimsel Araştırma Projeleri Başarılı Araştıracı Ödülü, İstanbul Üniversitesi Bilimsel Araştırma Projeleri, April 2006

KALKAN N., BULAN N. Ö., BULAN N. Ö., TÜbitak Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, August 2005

ARDA PİRİNÇİ B. P., BULAN N. Ö., İstanbul Üniversitesi Bilimsel Araştırma Projeleri Başarılı Araştıracı Ödülü, İstanbul Üniversitesi Bilimsel Araştırma Projeleri, April 2004

BULAN N. Ö., TÜBİTAK Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, September 2003

BULAN N. Ö., İstanbul Üniversitesi Bilimsel Araştırma Projeleri Başarılı Araştıracı Ödülü, İstanbul Üniversitesi Bilimsel Araştırma Projeleri, April 2003

BULAN N. Ö., TÜBİTAK Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, September 2002