



Journal Name : EASTERN ANATOLIAN JOURNAL OF SCIENCE
Managing Office : Ağrı İbrahim Çeçen University
Web Site : <https://dergipark.org.tr/eajs>
E-Mail : eaajs@agri.edu.tr
Managing Office Tel : +90 472 215 50 82
Publication Language : English
Publication Type : International Journal
Online Published : June, 2019

Owner on Behalf of Ağrı İbrahim Çeçen University

Prof. Dr. Abdulhalik KARABULUT

Rector

Editor-in-Chief

Prof. Dr. İbrahim HAN

ihan@agri.edu.tr

Associate Editor

Assist. Prof. Dr. Abdullah ÇAĞMAN

acagman@agri.edu.tr

HONORARY EDITOR

Prof. Dr. Abdulhalik KARABULUT, Rector, Ağrı İbrahim Çeçen University, Turkey

EDITOR-IN-CHIEF

Prof. Dr. İbrahim HAN, Ağrı İbrahim Çeçen University, Turkey

ASSOCIATE EDITOR

Assist. Prof. Dr. Abdullah ÇAĞMAN, Ağrı İbrahim Çeçen University, Turkey

EDITORIAL BOARD

Abdullah ÇAĞMAN, Ağrı İbrahim Çeçen University, Turkey
Ahmet Ocak AKDEMİR, Ağrı İbrahim Çeçen University, Turkey
Alper EKİNCİ, Ağrı İbrahim Çeçen University, Turkey
Attila HÁZY, University of Miskolc, Hungary
Binod Chandra TRIPATHY, Institute of Advanced Study in Science and Technology, India
Claudiu T. SUPURAN, University of Florence, Italy
Elvan AKIN, Missouri University of Science and Technology, USA
Ercan ÇELİK, Atatürk University, Turkey
Erhan SET, Ordu University, Turkey
Fatih DADAŞOĞLU, Atatürk University, Turkey
Fazile Nur EKİNCİ AKDEMİR, Ağrı İbrahim Çeçen University, Turkey
Feng QI, Tianjin Polytechnic University, China
Fikretin ŞAHİN, Yeditepe University, Turkey
Furkan ORHAN, Ağrı İbrahim Çeçen University, Turkey
Gabil YAGUB, Kafkas University, Turkey
George A. ANASTASSIOU, The University of Memphis, USA
Halit ORHAN, Atatürk University, Turkey
Harun GÜNEY, Ağrı İbrahim Çeçen University, Turkey
İbrahim CENGİZLER, Çukurova University, Turkey
İbrahim DEMİRKAN, Afyon Kocatepe University, Turkey
İbrahim HAN, Ağrı İbrahim Çeçen University, Turkey
İlhami GÜLÇİN, Atatürk University, Turkey
Kadirhan POLAT, Ağrı İbrahim Çeçen University, Turkey
Kenan KARAGÖZ, Ağrı İbrahim Çeçen University, Turkey
Mehmet Zeki SARIKAYA, Düzce University
Mikail ET, Fırat University, Turkey
Mohammad W. ALOMARI, Jerash University, Jordan
Mucip GENİŞEL, Ağrı İbrahim Çeçen University, Turkey
Murat GÜNEY, Ağrı İbrahim Çeçen University, Turkey
Necdet AYTAÇ, Çukurova University, Turkey
Nesip AKTAN, Necmettin Erbakan University
Olena Viktorivna SHYNKARENKO, V. Lashkaryov Institute of Semiconductor Physics of the National Academy of Science of Ukraine, Ukraine
Önder ŞİMŞEK, Atatürk University, Turkey
Ramazan DEMİRDAĞ, Ağrı İbrahim Çeçen University, Turkey
Rıdvan DURAK, Atatürk University, Turkey
Sanja VAROSANEC, University of Zagreb, Croatia
Selvinaz YAKAN, Ağrı İbrahim Çeçen University, Turkey
Sever Silvestru DRAGOMIR, Victoria University, Australia
Süleyman GÜL, Kafkas University, Turkey
Syed Abdul MOHIUDDINE, King Abdulaziz University, Saudi Arabia
Theodoros TSAPANNAOS, University of Thessaloniki, Greece
Yalçın KARAGÖZ, Ağrı İbrahim Çeçen University, Turkey

PREFACE

Dear scientist,

I am happy to announce that Volume V - Issue I of the Eastern Anatolian Journal of Science (EAJS) has been published. This issue is composed of 7 papers that possess some of the leading and advanced techniques of natural and applied sciences. On behalf of the owner of EAJS, I would like to thank all authors, referees, our editorial board members and section editors that provide valuable contributions for the publication of the issue.

EAJS will publish original and high-quality articles covering a wide range of topics in scientific research, dedicated to promoting high standards and excellence in the creation and dissemination of scientific knowledge. EAJS published in English is open access journal and abstracting and indexing by various international index services.

Authors are solicited to contribute to the EAJS by submitting articles that illustrate research results, projects, surveying works and industrial experiences that describe significant advances in the following areas, but are not limited to:

- Biology
- Chemistry
- Engineering
- Mathematics
- Nanoscience and Nanotechnology
- Physics

Our previous issues have an attraction in terms of scientific quality and impact factor of articles by favorable feedbacks of readers. Our editorial team lend wings to be an internationally reputable and pioneer journal of science by their outstanding scientific personality. I am hoping to work effectively with our editorial team in the future.

I'd like to express my gratitude to all authors, members of editorial board and contributing reviewers. My sincere thanks go to Prof. Dr. Abdulhalik KARABULUT, the rector of Ağrı İbrahim Çeçen University, sets the goal of being also a top-ranking university in scientific sense, for supporting and motivating us in every respect. I express my gratitude to the members of technical staff of the journal for the design and proofreading of the articles. Last but not least, my special thanks go to the respectable businessman Mr. İbrahim ÇEÇEN who unsparingly supports our university financially and emotionally, to his team and to the director and staff of IC foundation.

I invite scientists from all branches of science to contribute our journal by sending papers for publication in EAJS.

Prof. Dr. İbrahim HAN

Editor-in-Chief

CONTENTS

Enzyme Inhibition Studies of Antipyrine and Aminopyrine	1-6
<i>By N. STELLENBOOM and M. SENTURK</i>	
Measurement Of Electromagnetic Radiation Emitted By Dect Phones Used In Office Environments And Evaluation Of The Results In Terms Of Occupational Health And Safety	7-22
<i>By P. BAYKAN and E. S. ÜNAL</i>	
The Analysis of Glutathione Level and Superoxide Dismutase Activity in Normal and Preeclampsia Pregnant	23-29
<i>By N. UZUN</i>	
Finite Difference Scheme with a Linearization Technique for Numerical Solution of (MRLW) Equation	30-32
<i>By M. KARTA</i>	
Temperature Dependent Calculations of Optical Potential in Elastic Scattering Cross Section Basis: An Application to 10B + 120Sn	33-42
<i>By M. AYGÜN</i>	
Overview of The Targeted Treatment Through Nano-Drug Delivery Systems and Controlled-Drug Release Systems	43-49
<i>By B. N. CAM and M. GENİŞEL</i>	
Development and Evaluation of Epigenetic Regulation of Sucrose Metabolism in Saccharomyces cerevisiae by Using COBRA Technique and Selected CpG Islands in HXT10 and SUC2 genes	50-55
<i>By B. ALAYLAR , M. GÜLLÜCE and M. KARADAYI</i>	