

**ISSN 2224-4980**



**International  
Journal of Ecosystems and Ecology Science  
(IJEES)**

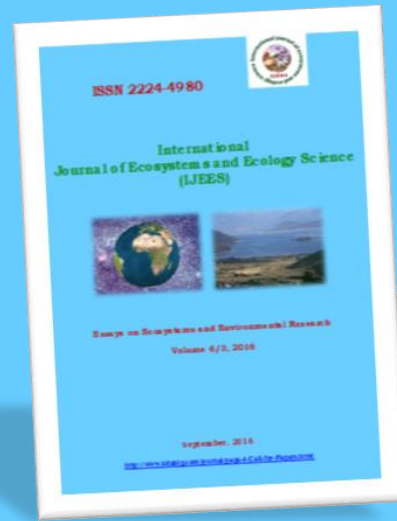


**Essays on Ecosystems and Environmental Research**

**Volume 6/4, 2016**

**September, 2016**

<http://www.kitabig.com/journal/page-4-Call-for-Papers.html>



**International  
Journal of Ecosystems and Ecology Science  
(IJEES)**



# International Journal of Ecosystems and Ecology Science (IJEES), ISSN: 2224-4980

Volume 6, Issue 4, September, 2016, (Serial Number 24)



## Editor - in - Chief:

**Hysen Mankolli**, Professor, Ecologist, Plainfield, Illinois, USA; Health and Environment Association, Tirana Albania; Earth System Science Interdisciplinary Center (ESSIC), University of Maryland College Park, USA, Consultant Scientist;

## Co-Editor - in - Chief:

**Sukru Dursun**, Professor, Selcuk University, Engineering and Architecture Faculty, Environmental Engineering Dep., Konya-Turkey;

**Massimo Zuchetti**, Professor, MIT, Massachusetts Institute of Technology, Cambridge MA, USA;

## International Scientific Editorial Board:

**Sukru Dursun**, Professor, Selcuk University, Engineering and Architecture Faculty, Environmental Engineering Dep., Konya-Turkey;

**Massimo Zuchetti**, Professor, MIT, Massachusetts Institute of Technology, Cambridge MA, USA;

**Veselin Alexandrov**, Professor, National Institute of Meteorology and Hydrology, Bulgaria;

**Nicola Senesi**, Professor, University of Bari, Bari, Italy;

**Wander Michelle M**, Professor, University of Illinois at Urbana-Champaign, Urbana, Urbana, IL 61801, USA;

**Vladimir Pesic**, Professor, University of Montenegro, Department of Biology, Podgorica Montenegro;

**Ibraim Dincer**, Professor, University of Ontario, Faculty of Engineering and Applied Science, Ontario, Canada;

**Ali Berktaş**, Professor, Selcuk University, Dept of Environmental Eng, 42031 Konya Turkey;

**Mariana Golumbeanu**, PhD, National Institute for Marine Research and Development "Grigore Antipa", Constanta, Romania;

**Antonis K. Kokkinakis**, Professor, Aristotle University of Thessaloniki, Faculty of Forestry and Natural Environment, Thessaloniki, Greece;

**Olivia Cioboiu, PhD**, The Oltenia Museum Craiova, Popa Şapcă str. No 8, Rumania;

**Nasser Modirshahla**, Professor, Islamic Azad University, Department of Applied Chemistry, Iran;

**Nina Liogchii**, Professor, Institut of Ecology and Geografy, Republic of Moldova;

**Trajce Talevski**, Professor, Hydrobiological Institute, Naum Ohidski 50, 6000 Ohrid - R.Macedonia;

**Alexander V. Derunkov**, Professor, Department of Entomology, National Museum of Natural History, MRC-168 Washington, DC, USA;

**Can Ozgur Colpan**, PhD, Ryerson University, Canada;

**Muhammad Ashraf**, Professor, University of Agriculture, Faculty of Sciences, Faisalabad 38040, Pakistan.;

**Roberto Mancinelli**, Professor, University of Tuscia, Viterbo, Italy;

**Bahrive Gulgun**, Professor, Ege University, Izmir, Turkey;

**Shukri Fetahu**, Professor, Pristine University, Kosovo;

**Insaf Mekki**, PhD, National Research Institute for Rural Engineering, Water, and Forestry (I.N.R.G.R.E.F), Ariana, Tunisia;

**Hany Gaber El Shaer**, PhD, IUCN Centre for Mediterranean Cooperation / Global Marine, Egypt;

**Ertugrul Esmeray**, Ph.D, Karabuk University, Engineering Faculty, Environmental Engineering Department Turkey;

**Violeta Vidaček-Hainš**, PhD, Ass. Professor, University of Zagreb, Croatia;

**Cezar Kongoli**, PhD, Research Scientist at Earth System Science Interdisciplinary Center (ESSIC), University of Maryland College Park, USA;

**Justas Kažys**, PhD, Ass. Professor, Vilnius University, Department of Hydrology and Climatology, Vilnius –Lithuania;

**Selim Dogan**, PhD, Selcuk University, Environmental Engineering Department, Konya Turkey;

**Hisham Mostafa Alidrisi**, PhD, Ass. Professor, Department of Industrial Engineering, Engineering College, King Abdulaziz University, Jeddah Saudi, Arabia;

**Khalid A. A. Al-Ghamdi**, PhD, Ass. Professor, Department of Industrial Engineering, Engineering College, King Abdulaziz University, Jeddah Saudi, Arabia;

**Osman Taylan, PhD**, Ass. Professor, Department of Industrial Engineering, Engineering College, King Abdulaziz University, Jeddah Saudi, Arabia;

**Robert J. Kuligowski**, National Oceanic and Atmospheric Administration (NOAA), National Environmental Satellite Data and Information Service (NESDIS), NOAA Center for Weather and Climate Prediction (NCWCP), College Park, MD, USA;

**Narayan Ramappa Birasal**, Associate Professor, Zoology Department, KLE Society's G H College, HAVERI – 581 110, Karnataka state, India;

**Rana P. Singh**, Professor, Department of Environmental Science, Babasaheb Bhimrao Ambedkar University, Lucknow-226025, U.P., India;

**Hayati AKMAN**, Dr., Selcuk University, Seed Department, 42430 Konya, Turkey;

**Durmuş Kaya**, Professor, Kocaeli University, Technology Faculty, Energy Systems Engineering Department, Kocaeli, Turkey;

**Fatma ÇANKA KILIÇ**, Associate Prof. Dr., Head of Electrical and Energy Department, Kocaeli Vocational School, Kocaeli University & International Student Coordinator, Kocaeli University, Turkey;

## Publication Information:

International journal of ecosystems and ecology science (IJEES), ISSN 2224-4980, publishing original articles, reviews and short communications of high scientific standard on ecosystems and science ecology. By: Hysen Mankolli, Professor, Ecologist, Plainfield, Illinois, USA; Health and Environment Association, Tirana, Albania;

ISSN International Centre, *Bibliographic Data Section*, PARIS, FRANCE;

Bib - ID 68337; ISO standard 3297;

Key title: International journal of ecosystems and ecology science

Abbreviated key title: *Int. j. ecosyst. ecol. sci.*

ISSN 2224-4980;

Frequency: four times a year. IJEES Electronic Journal Publication: Plainfield, Illinois, USA;

*This journal has the status of an international journal.*

## Aims and Scope:

The goals of the International journal of ecosystems and ecology science (IJEES), ISSN 2224-4980, are to bring together researchers and scientists with interests in the quality of the ecosystems research results, theories, technologies, systems, tools, applications, the work in progress and experiences on ecosystems used. The main topics of interest are:

- Ecosystems
- Agro ecosystems
- Forest ecosystems
- Ecology
- Lakes and Rivers ecosystems
- Applied Biology
- Applied Chemistry
- Biodiversity
- Energy
- Geology
- Bioaccumulation
- Desalination
- Water
- Soil
- Air pollution
- Climate Change
- Ecosystem restoration
- Environment toxicology
- Environment protection
- Environmental radioactivity;
- Environmental legislation;
- Environmental management;
- Environmental education.
- Green technology
- Socioeconomic aspects in ecosystems
- Agro tourism and National Park
- Health Care
- Food security
- Rights and Environmental Laws

## Abstracted / Indexed / Impact Factor in:

International journal of ecosystems and ecology science (IJEES), ISSN 2224-4980, is indexed, abstracted and have impact factors:

**Thomson Reuters:**

<http://ip-science.thomsonreuters.com/cgi-bin/jmlst/jlresults.cgi?PC=MASTER&Word=ijeess>

**EBSCO's library products, MA, USA**

<http://www.ebscohost.com/for-publishers/for-publishers>

**Indexed in Index Copernicus** ICV2014= **84.78 (7.93)**; ICV2013= **5.96**; ICV 2012=**5.68**; ICV 2011=**6.00**;

<http://jml2012.indexcopernicus.com/International+journal+of+ecosystems+and+ecology+science+IJEES.p241.3.html>

**Research Bible**

<http://paper.researchbib.com/?action=viewList&issn=22244980&vol=4&no=1>

**CAS Chemical Abstracts Service – CAS database**

<http://cassi.cas.org/search.jsp>

**Global Impact Factor (GIF):** IF= 2015: **0.765**; 2014: **0.675**; 2013: **0.541**; 2012: **0.425**;

<http://globalimpactfactor.com/international-journal-of-ecosystems-and-ecology-science/>

**Universal Impact Factor:** Impact Factor for year 2013 is = **0.541**

<http://www.uifactor.org/SearchJournal.aspx?q=2224-4980>; <http://www.uifactor.org/Certificate.aspx?jid=372>

**INFOBASE INDEX Impact factor IF: 2015=3.2**

<http://www.infobaseindex.com/journal-accepted.php>

**Electronic Journals Library**

<http://dispatch.opac.ddb.de/DB=1.1/SRT=YOP/LNG=DU/CMD?ACT=SRCHA&IKT=8506&TRM=2687819-7>

**Energy And Environmental Policy - Journals & Databases**

<http://udel.edu/~hunpark/journals.htm>

**Science and Ecology Articles**

[http://en.eannu.com/science\\_and\\_ecology\\_articles.3.html](http://en.eannu.com/science_and_ecology_articles.3.html)

**Efita International Directory of Agriculture, Food and the Environment**

<http://www.efita.org/all-companies.html>

**Environment-and-Nature/Biodiversity/Ecosystem.**

<http://www.efita.org/Environment-and-Nature/Biodiversity/Ecosystem-Biodiversity/IJEES-details-28892.html>

**NewJour : Electronic Journal&Newsletters**

<http://gulib.georgetown.edu/newjour/nj2/index.html>

**Environmental expert**

<http://www.environmental-expert.com/magazines/?keyword=ecosystem+science>

**Currently Indexing at Pro Quest**

[http://www.proquest.com/en-US/catalogs/databases/detail/periodicals\\_index.shtml](http://www.proquest.com/en-US/catalogs/databases/detail/periodicals_index.shtml)

**CABI**

<http://www.cabi.org/default.aspx?page=1016&site=170&pid=40&xsltab=2&newtitlesonly=1&search=>

**Academia.edu**

[http://www.academia.edu/3834422/\\_2013\\_Networking\\_approach\\_to\\_the\\_sustainable\\_development\\_of\\_European\\_Regions\\_bordering\\_major\\_rivers](http://www.academia.edu/3834422/_2013_Networking_approach_to_the_sustainable_development_of_European_Regions_bordering_major_rivers)

**EELinked**

<http://eelinked.naaee.net/n/eelinked>

**IRIS**

<http://www.iris-sostenibilita.net/iris/index.asp>

**BlogEcologia**

<http://www.blogecologia.it/2013/03/un-nuovo-articolo-scientifico-conferma-le-ragioni-dei-notav/>

**Cabdirect.org**

<http://cabdirect.org/abstracts/20133106128.html;jsessionid=A6F4735FC0EBE3D1368E947A2993074A>

**ISRA (JIF)** <http://www.israjif.org/raj.html>

**IIFS** <http://impactfactorservice.com/home/journal/133>

## **Manuscripts and correspondence are invited for publication.**

Dear Professors, PhD, researchers and scholars of the field of ecosystems and related areas to, such as environmental engineering, agriculture, bio-chemistry (soil, water, air), pollution, geology, forestry, urban ecology, resource economics, etc., at the moment, I declare the sending of scientific journal articles to International Journal of Ecosystems and Ecology Science (IJEES) is open. Sending of items can only be done electronically, to the following address: E-mail: [editorijeess@gmail.com](mailto:editorijeess@gmail.com); [2011jiese@gmail.com](mailto:2011jiese@gmail.com); [mjedisishendeti@yahoo.com](mailto:mjedisishendeti@yahoo.com); The confirmation of receiving these items will be announced within the period of three weeks after sending. Whether the article is accepted or not, will be announced within a period of six weeks. Only original articles will be accepted, validated, and not to have or be published in other journals. Publication lasts from three to six months. Submission guidelines and Web Submission system are available at: <https://sites.google.com/site/injournalofecosystems/template/guide-for-authors>.

## **Editorial Office:**

IJEES Electronic Journal Publication: Plainfield, Illinois, USA; E-mail: [editorijeess@gmail.com](mailto:editorijeess@gmail.com);  
Health and Environment Association, Tirana, Albania; E-mail: [mjedisishendeti@yahoo.com](mailto:mjedisishendeti@yahoo.com);

© IJEES copyright. All rights reserved. Health and Environment Association, Tirana, Albania Publisher; hold the exclusive copyright of all the contents of this journal. In accordance with the international convention, no part of this journal may be reproduced or transmitted by any media or publishing organs (including various websites) without the written permission of the copyright holder. Otherwise, any conduct would be considered as the violation of the copyright. The contents of this journal are available for any citation. However, all the citations should be clearly indicated with the title of this journal, serial number and the name of the author. Price per article published online Regular: \$170 or euro 150 and article published out of order in a short time: \$300 or euro 280, per standard pages; To send online full journal: \$600 or euro 500; \*Subscription for online access to a single article by non-authors has a price of \$170 or euro 150; Health and Environment Association, Tirana, Albania; Tel: 0035542258730; Fax:03554258730;E-mail: [mjedisishendeti@yahoo.com](mailto:mjedisishendeti@yahoo.com); Electronic Journal Publication:, Plainfield, Illinois, US; Tel:1-815-267-3458. Fax:1-815-267-3458; E-mail: [2011jiese@gmail.com](mailto:2011jiese@gmail.com); [editorijeess@gmail.com](mailto:editorijeess@gmail.com);

**International  
Journal of Ecosystems and Ecology Science  
(IJEES)  
Volume 6/4, 2016**

**Table of contents:**

**Begu Adam, Liogchii Nina, Donica Ala, Ajder Vitalie**, FAVORABLE ECOSYSTEMS FOR BIODIVERSITY CONSERVATION, page 461-466;

**Esin Erdoğan Yüksel**, INVESTIGATING CHANGES IN SOME SOIL PROPERTIES DEPENDING ON LAND USE AND DEPTH LAYERS: A CASE STUDY FOR THE GODRAHAV CREEK WATERSHED IN ARTVIN, TURKEY, page 467-472;

**Tahsin Tonkaz<sup>1</sup>, Sevda Ocak<sup>2</sup>**, PROBABILITY ANALYSIS OF AIR POLLUTANTS IN ORDU, TURKEY, page 473-476;

**Morsina Çipa<sup>1\*</sup>, Elda Marku<sup>1</sup>**, A POTENTIAL HEALTH RISK OF OCCUPATIONAL EXPOSED WORKERS IN PETROCHEMICAL INDUSTRY OF BALLSH, ALBANIA, page 477-482;

**Mentor Thaqi, Imer Rusinovci, Sali Aliu, Hysen Bytyqi**, EFFECT OF CULTIVAR AND MECHANIZATION USED ON ALFALFA HAY PRODUCTION, page 483-488;

**Liogchii Nina, Begu Adam, Brega Vladimir**, THE ECOLOGICAL STATUS OF NATURAL ELEMENTS IN SOME PROTECTED AREAS, page 489-494;

**Ali Rıza Kul<sup>1</sup>, Sevda Ocak<sup>2</sup>, Ahmet Selçuk<sup>3</sup>**, ACTIVATED CARBON PRODUCTION FROM VAN APPLE SHELL AND USE OF TEXTILE DYES ADSORPTION, page 495-498;

**Oylum Gökkurt BAKI\*, Muhammed YAKAN, Ahu NOGAY**, SOLID WASTE MANAGEMENT IN SINOP ORGANIZED INDUSTRIAL ZONES, page 499-504;

**Harallamb Paçe<sup>1</sup>, Hekuran Vrap<sup>1</sup>, Belul Gixhari<sup>2</sup>**, EVALUATION OF SOME REDUCED-RISK PRODUCTS FOR MANAGEMENT OF POWDERY MILDEW IN GREENHOUSE TOMATOES, page 505-508;

**Süleyman Sapmaz\*, Durmuş Kaya, Muharrem Eyidoğan**, ENERGY CONSERVATION AND EMISSION REDUCTION THROUGH WASTE HEAT RECOVERY ON COMPRESSED AIR SYSTEMS, page 509-514;

**Jonida Tahiraj<sup>1\*</sup>, Elda Marku<sup>1</sup>, Aurel Nuro<sup>1</sup>, Pranvera Lazo<sup>1</sup>**, DETERMINATION OF SOME AIR CHLORINATED ORGANIC POLLUTANTS IN KRRABA TUNNEL, ALBANIA, USING MOSS AS BIOINDICATOR, page 515-520;

**Fatma Kunt<sup>1\*</sup>, Senar Aydın<sup>1</sup>, Mehmet Emin Aydın<sup>1</sup>**, DETERMINATION OF HEAVY METALS IN INDOOR DUST, page 521-524;

**Nexhat Balaj**, PREFERENCES FOR STREET TREES PLANTING IN KOSOVO URBAN AREAS: CHALLENGES AND BENEFITS, page 525-530;

**Eda Güneş<sup>1</sup>, Fatma Kunt<sup>2</sup>**, THE EFFECT OF WHEAT GERM ON THE TOTAL OXIDATIVE STRESS *DROSOPHILA MELANOGASTER*, page 531-534;

**Ferdinand Bego\*, Mikeljan Rukaj, Kristi Bego, Mihallaq Qirjo**, FIVE YEAR MONITORING OF BREEDING SUCCESS OF THE WHITE STORK (*CICONIA CICONIA* L.) IN ALBANIA, page 535-542;

**Zeynep Cansu Ayturan, Sukru Dursun**, MODELLING OF SO<sub>2</sub> POLLUTION IN SELÇUKLU DISTRICT OF KONYA WITH ARTIFICIAL NEURAL NETWORKS, page 543-550;



**Belul Gixhari<sup>1</sup>, Hekuran Vrap<sup>2</sup>, Adriatik Çakalli<sup>1</sup>, Harallamb Paçe<sup>2</sup>**, DIVERSITY OF LOCAL LANDRACES COLLECTED DURING 2009-2010 PERIOD AND THEIR REPRESENTATIVENESS IN ABANIAN GENE BANK, page 551-558;

**Zeynep Cansu Ayturan<sup>1</sup>, Tayfun Çay<sup>2</sup>, Sukru Dursun<sup>1</sup>**, KONYA CITY URBAN SPRAWL AND ENVIRONMENTAL POLLUTION RELATION, page 559-564;

**Labinot Kastrati<sup>1</sup>, Gazmend Nafezi<sup>2</sup>, Gëzim Shehi<sup>3</sup>**, THE GRADIENT STUDY OF RADIATION USING LINEAR ACCELERATOR BASED IN THE TREATMENT PLANS OF CARCINOMAS BY RADIOTHERAPY, page 565-568;

**İlker Akyüz<sup>1</sup>, Nadir Ersen<sup>2\*</sup>, Kadri Cemil Akyüz<sup>1</sup>**, THE ESTIMATION OF TURKEY'S EXPORT VALUES TO ALBANIA FOR FIBREBOARD BY THE TIME SERIES METHOD, page 569-574;

**Ahmet Serhan Hergul<sup>\*</sup>, Durmus Kaya, Volkan Coban**, ENERGY, ENVIRONMENT AND ECONOMIC ANALYSIS OF DESIGNED TRIGENERATION SYSTEM, page 575-580;

**Zoran Sapuric<sup>1\*</sup>, Filip Ivanovski<sup>1</sup>**, THE IMPLEMENTATION OF EUROPEAN UNION ELECTRICAL AND ELECTRONIC WASTE LEGISLATION AND STANDARDS IN MACEDONIA, page 581-586;

**Ceren Yağcı, Fatih İşcan**, GEOGRAPHIC INFORMATION SYSTEMS (GIS) BASED APPROACH FOR SITE SELECTION OF MEDICAL WASTE LANDFILL IN KONYA, page 587-592;

**Fatih İşcan, Ceren Yağcı**, EVALUATION OF LAND TENURE FORMS AND SIZE OF AGRICULTURAL HOLDINGS IN TURKEY USING GEOGRAPHIC INFORMATION SYSTEM (GIS) TECHNOLOGIES, page 593-600;

**Gülgün Özkan, Kaan Yağlı, R. Yoldaş Satılmış, Kürşad Gençtürk, Ceren Yağcı**, POSITIONING WITH THE HELP OF GEOGRAPHICAL INFORMATION SYSTEMS FOR ALTERNATIVE TOURISM ACTIVITIES: KONYA PROVINCE EXAMPLE, page 601-606;

**Ani Tola (Panariti)<sup>1\*</sup>, Parashqevi Tashi<sup>1</sup>, Andrea Maliqari<sup>1</sup>, Paul Louis Meunier<sup>1,2</sup>, Ermir Gjoka<sup>1</sup>**, SHADING IN OUTDOOR THERMAL COMFORT CASE STUDY: DURRES' PROMENADE, page 607-614;

**Senar Aydın, Mehmet Emin Aydın, Havva Kilic, Arzu Tekinay**, DETERMINATION AND ENVIRONMENTAL RISK OF ANTI-INFLAMMATORY DRUGS IN URBAN WASTEWATER, page 615-620;

**Nasuf Abdii, Murat Xhulaj**, SPECIES MONOCOTYLEDONS (*MONOCOTILEDONAE*) ON FLORA MOUNTAIN SHARR, page 621-624;

**Fatih Ahmet Göktürk, Celalettin Özdemir**, HEAVY METAL ACCUMULATION IN THE SHEEP BLOOD GROWING AROUND SIZMA REGION, page 625-630;

**Juma A<sup>1\*</sup>, Haxha L, Cera I, Ali E<sup>2</sup>, Abazaj E<sup>2</sup>**, ASSOCIATION OF LEPTOSPIROSIS WITH ABORTION IN RUMINANTS IN FLOODED AREAS IN NORTHWEST ALBANIA, page 631-636;

**Dritan Alushani, Besa Hidri, Amarold Balliu**, OSTEOPLASTOMA: A RARE CASE IN A CHILD, page 637-642;

**Hortensia Gjergo<sup>1\*</sup>, Tamara Goda<sup>1</sup>, Artan Simaku<sup>2</sup>, P. Gjergo<sup>1</sup>, Spiro Qirko<sup>1</sup>**, CORRELATION OF TISSUE DOPPLER VARIABLES WITH LEFT VENTRICULAR FILLING PRESSURES, page 643-648;

**Dritan Alushani\*, Besa Hidri, Amarold Balliu**, PRIMARY MEGAURETER TREATMENT, page 649-652;

**Cezar Kongoli<sup>1,2</sup>**, LARGE - SCALE SNOW DEPTH – ELEVATION RELATIONSHIPS OF WORLD'S MAJOR MOUNTAIN REGIONS, page 653-658;

**Fiorentina Jorgji<sup>1\*</sup>, Lirika Kupe<sup>2</sup>**, ENVIRONMENTAL ASSESSMENT AND MANAGEMENT OF LIQENAS COMMUNE, page 659-664;