

ISSN 2224-4980



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

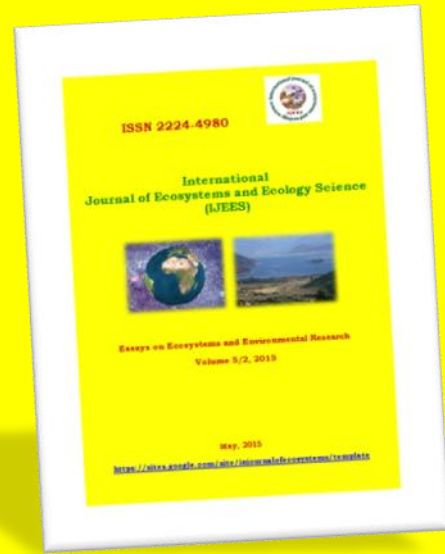
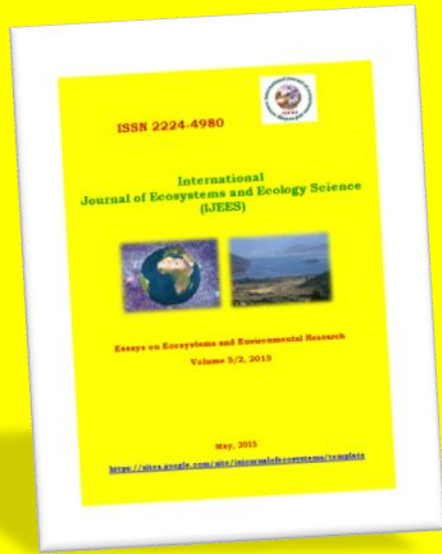


Essays on Ecosystems and Environmental Research

Volume 5/2, 2015

May, 2015

<https://sites.google.com/site/injournalofecosystems/template>



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



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

Volume 5, Issue 2, May, 2015, (Serial Number 18)



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;

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 Berktaç, 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;

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: three times a year. IJEES Electronic Journal Publication: 24354 Leski Ln. 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

Abstracted / Indexed in:

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

EBSCO's library products, MA, USA

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

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

Efta 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>

Indexed in Index Copernicus ICV= 2013 = 5.96; 2012: 5.68; 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= 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>

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

CABI

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

Academia.edu

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: 2011jiese@gmail.com; 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: 24354 Leski Ln. Plainfield, Illinois, USA; E-mail: editorijeess@gmail.com;
Health and Environment Association, Tirana, Albania; E-mail: 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: \$150 or euro 140 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 \$150 or euro 140; Health and Environment Association, Tirana, Albania; Tel: 0035542258730; Fax:03554258730;E-mail:mjedisishendeti@yahoo.com; Electronic Journal Publication:24354 Leski Ln., Plainfield, Illinois, US; Tel:1-815-267-3458. Fax:1-815-267-3458; E-mail:2011jiese@gmail.com;editorijeess@gmail.com;*

**International
Journal of Ecosystems and Ecology Science
(IJEES)
Volume 5/2, 2015**

Table of contents:

Aah Ahmad Almulqu, Flora Evalina Kleruk, THE ABILITY OF MANGROVE AREAS TO CONSERVES CARBON STOCK IN SEMI ARID REGION, page 153-160;

Solomon Sorsa^{1*}, Yadessa Chibssa², Girma Tilahun¹, Danial Fitamo¹, HEAVY METAL CONCENTRATIONS AND PHYSICOCHEMICAL CHARACTERISTICS OF EFFLUENT ALONG THE DISCHARGE ROUTE FROM HAWASSA TEXTILE FACTORY, ETHIOPIA, page 161-172;

Jelena Nikcevic Grdinic, RIGHTS AND OBLIGATIONS OF STATES IN PREVENTION OF MARINE POLLUTION FROM SHIPS THROUGH THE PRISM OF THE UNITED NATIONS CONVENTION ON THE LAW OF THE SEA (LOS CONVENTION), page 173-180;

Lavdie Moisiu¹, Sokol Mati², SUSTAINABILITY DEVELOPMENT OF AGGREGATES SUPPLY IN CROSS BORDER AREAS BASED ON THE NATIONAL, REGIONAL AND EU POLICIES, page 181-192;

Eda Bezhani, THIRD SECTOR AND YOUTH EMPLOYMENT, page 193-196;

Denisa Demi, FLY ASH - CEMENT MICROSTRUCTURE OBSERVED BY SEM IMAGES, page 197-206;

Ferizi Rrahman¹, Puto Klementina², Maxhuni Qenan³, Hulaj Beqe⁴, Bislimi Kemajl⁵, ANALYSES OF MICROBIOLOGICAL DATA INDICATES FROM PHYSIC-CHEMICAL PARAMETERS, IN FISH SPECIES FROM SITNICA, LEPENCI AND LUMBARDHI I PRIZRENIT RIVERS (KOSOVA), page 207-212;

Gazmend Bejtja¹, Alma Robo², Arjan Harxhi³, SEROEPIDEMIOLOGY OF VARICELLA-ZOSTER VIRUS INFECTION IN ALBANIA, page 213-216;

Anida Dukaj¹, Bilal Shkurta², Aurel Nuro³, CHLOROBENZENES, ORGANOCHLORINATED PESTICIDES AND PCB IN BIOTA SAMPLES OF KARAVASTA LAGOON, page 217-228;

Zoran Sapuric^{1*}, Marko Andonov¹, Kimo Cavdar¹, CHALLENGES OF THE HARMONIZATION OF MACEDONIAN ENVIRONMENTAL LEGISLATION WITH THE EU LEGISLATION, page 229-234;

Kopaçi Ermela¹, Rexha Tefta², THE RELATION BETWEEN HELICOBACTER PYLORI INFECTION AND GASTRIC MUCOSAL DAMAGES, page 235-240;

Abedin Dyl¹, Rigerta Sadikaj^{2*}, Dritan Arapi², Edlira Baraj³, Marsida Bllaca¹, Vladimir Spaho¹, ASSESSMENT OF NATURAL DIETS IN THE ADULTS OF TWO SMALL BODY NATIVE FISHES AND FINGERLINGS OF TWO EXOTIC SPECIES INHABITING THANA LAKE, LUSHNJA-ALBANIA, page 241-248;

Eralda Mariani¹, Polikron Pulluqi², Enver Roshi³, RISK FACTORS FOR HUMAN BRUCellosIS, p. 249-252;

Firdus Haveraj, THE IMPACT OF WOODEN CONSTRUCTION ELEMENTS IN THE ENERGY BALANCE OF THE WOODEN BUILDING IN ALBANIA, page 253-260;

Cezar Kongoli^{1,2}, Sean Helfrich², Robert J. Kuligowski², SATELLITE-BASED ESTIMATION OF HYDROLOGIC COMPONENTS – APPLICATION TO SNOW AND PRECIPITATION, page 261-268;

Ervin Myftaraj, THE POWER OF MIX COMMUNICATION IN RELATIONSHIP MARKETING OFFLINE VERSUS ONLINE: THE CASE OF THE ALBANIAN BANKING SECTOR, paper 269-276;

Elena Bebi¹, Jorgaq Kaçani², Edmond Ismaili³, THE ASSESSMENT OF WIND POTENTIAL IN MAMAJ, TEPELENË, ALBANIA, page 277-286;

Ardian Rugova¹, Tahir Arbneshi², Ilirjan Malollari³, ASSESSMENT OF HEAVY METAL POLLUTION IN SITNICA RIVER SEDIMENT, page 287-292;