

ISSN 2224-4980



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

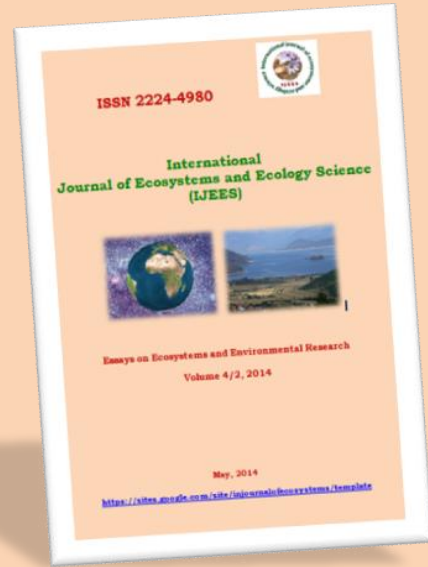
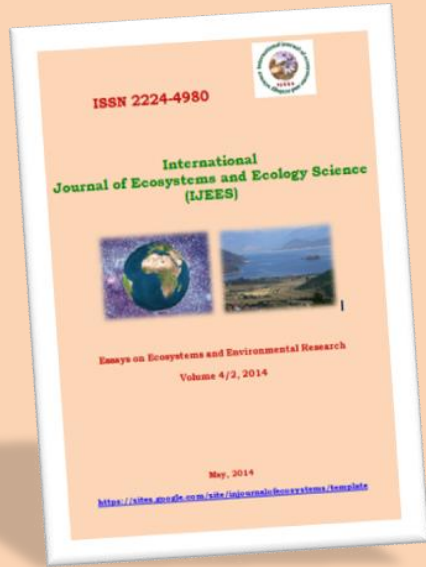


Essays on Ecosystems and Environmental Research

Volume 4/2, 2014

May, 2014

<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 4, Issue 2, May, 2014, (Serial Number 14)



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, King Abdulaziz University, College of Engineering, Industrial Engineering Dept., Jeddah, Saudi Arabia; Massimo Zuchetti, Professor, MIT, Massachusetts Institute of Technology, Cambridge MA, USA;

Editorial Board:

Sukru Dursun, Professor, King Abdulaziz University, College of Engineering, Industrial Engineering Dept., Jeddah, Saudi Arabia;
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;

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= 2011: 6.00; 2012: 5.68;

<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>

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>

Global Impact Factor (GIF) IF= 2012: 0.425; 2013: 0.541;

<http://globalimpactfactor.com/journals-list/?snap=1>

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: \$140 or euro 100 and article published out of order in a short time: \$280 or euro 200; To send online full journal: \$560 or euro 400; *Subscription for online access to a single article by non-authors has a price of \$140 or euro 100; 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;*

**International
Journal of Ecosystems and Ecology Science
(IJEES)
Volume 4/2, 2014**

Table of contents:

Dijana Blažeković Dimovska¹, Julijana Tomovska¹, Mohammad Ali Shariati², NEW STRAINS OF FUNGUS *SAPROLEGNIA PARASITICA* IN COMMON CARP (*CYPRINUS CARPIO* L.) FROM CYPRINID FISH BREEDING FACILITIES IN MACEDONIA, page 191-194;

Aurel Nuro, Elda Marku, Bledar Murtaj, DETERMINATION OF PAH AND BTEX LEVELS IN WATER SAMPLES USING GC/FID TECHNIQUE. CASE STUDY PATOKU LAGOON, page 195-200;

Halime Hajra¹, Naser Peci², Përparim Hoxha³, LAND DEGRADATION DUE COAL MINING IN KOSOVO BASIN, page 201-206;

¹Veledin Çako, ²Eriola (Zhuri) Hida, ³Fatbardha Babani, ⁴Theodhor Karaja, TREND OF TROPHIC STATE IN NARTA LAGOON, page 207-212;

Heiko Dirks¹, Randolf Rausch², Tobias Fuest¹, Siegfried Holtkemper³, Christoph Schüth⁴, INTEGRATED WATER MANAGEMENT IN ARID AND SEMIARID COUNTRIES – EXPERIENCES OF GIZ IS AND DORNIER CONSULTING IN THE MENA REGION, page 213-216;

Valbona Hoxha (Plaku)¹, Aurel Nuro², DETERMINATION OF SOME VOLATILE ORGANIC COMPOUNDS USING BIOINDICATOR SAMPLES, page 217-224;

Halime Hajra¹, Naser Peci², Përparim Hoxha³, SPONTANEOUS COMBUSTION OF LIGNITE IN BARDH MIRASH MINES IN KOSOVA, page 225-230;

Greta Angjeli, Sulo Haderi, BETTER AUDITING PERFORMANCE, HIGHER EFFECTIVENESS OF GOVERNMENT - ALBANIAN CASE, page 231-238;

JB Superales^{*1}, MT Zafaralla², JMA Sacala¹, JS Nabasca¹, WATER QUALITY AND FISH FAUNA IN LAKEWOOD LAKE ZAMBOANGA DEL SUR, PHILIPPINES, page 239-246;

Elton Zaka¹, Roland Pinguli², Edion Arapi², Dritan Prifti³, POTENTIAL SULFUR CONCENTRATION REDUCTION IN CLINKER BURNING PROCESSES, page 247-252;

Sheikh Saeed Ahmad^{1*}, Rabbia Murtaza¹, Muhammad Nauman Ahmed², Muhammad Tahir Shah³, RIPARIAN VEGETATION CLASSIFICATION ALONG KORANG RIVER, ISLAMABAD BY USING ORDINATION TECHNIQUE, page 253-262;

Elton Zaka¹, Roland Pinguli², Edion Arapi², Dritan Prifti³, INDUSTRIAL SCALE USAGE OF BITUMINOUS SAND IN CLINKER PRODUCTION PROCESS, page 263-268;

Alma Emiri¹, Entela Treska², Enkeleda Buzo³, DEPENDENCE OF ALUMINUM IONS UPON PH AND DOSAGE OF COAGULANT-FLOCCULANT IN THE WATER TREATED AT BOVILLE PLANT, page 269-274;

Andriela Vitić – Ćetković¹, Goran Radović², Bojan Krstić³, Nikolić Aleksandar⁴, Ivona Jovanović⁵, RETHINKING RURAL TOURISM IN MONTENEGRO: ARCHITECTURAL HERITAGE AND ATTRACTING ENVIRONMENTALLY RESPONSIBLE CONSUMERS, page 275-286;

Defrime Berisha¹, Nilollaq Bardhi², Imer Rusinovci³, Bakir Kelmendi¹, A STUDY OF POTATO TUBER QUALITY ACCORDING TO DIFFERENT TYPES OF CULTIVARS, page 287-292;

Cezar Kongoli¹², Robert J. Kuligowski², Sean Helfrich², Peter Romanov³², MONITORING PRECIPITATION AND SNOW COVER USING MULTI-SENSOR SATELLITE AND IN-SITU DATA, page 293-300;