

The Journal of **Macro**Trends in Technology and Innovation

Volume 3 Issue 1 2015 ISSN 2333-1011

Macrojournals Executive Editor-in-Chief

Damir Tokic, Macrotheme/Macrojournals

Macrojournals International Editorial Advisory Board - Technology

Lee E. Allen, University of Memphis, USA Adriana Restrepo Osorio, Universidad Pontificia Bolivariana Country, Colombia Jiahui Song, Wentworth Institute of Technology, Boston, MA, USA Mahin Esmaeil Zaei, Indian Institute of Technology Delhi, India

ISSN: ISSN 2333-1011

Issued by the US Library of Congress

Publisher

Macrojournals JMTI is published in-house by the Macrotheme Capital Management, LLC, a Commodity Trading Advisor. Macrotheme Capital Management, LLC was formed as a Texas Limited Liability Company on June 19, 2009. Macrotheme Capital Management, LLC became registered with the Commodity Futures Trading Commission ("CTFC") as a Commodity Trading Advisor ("CTA") and approved as an NFA member on July 17, 2009. Macrotheme Capital Management, LLC is registered in the state of Texas, USA as a limited liability company. The registered agent office is located at: 815 Brazos Street Suite 500, Austin, TX 78701, USA.

Aims and Scope

The Journal of MacroTrends in Technology and Innovation JMTI (ISSN 2333-1011 ISSN Online 2333-102x) aims to publish high quality articles discussing the broader trends in academic research and applied practical developments related to all areas of technology and innovation. The target audience for JMTI includes the academic scholars, as well as practitioners, in the field of technology, computing, engineering, biotechnology, networking, nanotechnology, robotics, computer applications, Internet, space technology, design, image processing, and other areas of technology and innovation. The scope of JMTI also extends to a multidisciplinary understanding of the technology and innovation related to the areas such as finance and investments, economy, demography, culture, and others. Thus, the JMTI's mission is to become a leading journal where technology developers and innovators, technology users and customers, and technology investors, all gain valuable information about the broader trends and themes in the field of technology and innovation.

Online version

http://www.macrojournals.com/journals/the journal of macrotrends in technology and innovation

Online ISSN 2333-102x Issued by the US Library of Congress

Editorial Contact information

tokicd@macrojournals.com

Contents

Articles	Page
Biodiesel Production From Opium Poppy Oil and Determination of Its Effects on Engine Performance and Emissions of a Compression Ignition Engine Erdi Tosun, Erinç Uludamar, Gökhan Tüccar, Ali Can Yılmaz, Kadir Aydın	1-8
Emissions of a Diesel Engine Fueled with False Flax Biodiesel – Diesel Fuel Blends Hasan Serin, Şafak Yıldızhan, Alper Burgaç, Mustafa Özcanlı	9-14
Geospatial Technology Approach to Suitable Landfill Determination Based on Spatial Multi-Criteria Evaluation for Bauchi Metropolis in Bauchi State of Nigeria Shuaibu, A. M., Musa, A. A. and Idowu, T. O.	15-27
Forecasting the Demand for the Open Source Motion System Using Bass Diffusion Models with Patent Information	28-36
Soondong Kwon, Yangsoo Lee, Seungryul Lee	
Analysis of Thailand's ICT Competitiveness in Online Commerce, Banking, and Content Business	37-47
Settapong Malisuwan, Wassana Kaewphanuekrungsi and Nattakit Suriyakrai	
Sensitivity analysis of a winding system with unwinding-idle-winding rollers for steel plate	48-64
Yonghui Park, Kyutae Park, Sungyuen Won, Wankee Hong, Myeongsik Cheon, and Hyunchul Park	
Mapping Agricultural Land use Conversion and Management on Food Supply (Food Crops) in Saki West Local Government, Oyo State, Nigeria. Michael Ajide Oyinloye	65-80
Digital Economy Plan: Analysis and Recommendations Settapong Malisuwan and Wassana Kaewphanuekrungsi	81-91
A decision support model for task assignment in home health care	92-99

Mist Characterization in Drilling 1018 Steel Nourredine Boubekri and Ian Cole	100-112
Development strategies for the French construction sector Zakaria DAKHLI and Zoubeir LAFHAJ	113-129
A Technology Enabler in Machining: Nanofluid in Minimum Quantity Lubrication Nourredine Boubekri and Amr Najjar	130-135
Creative visions of modern technology within the framework of the educational process service in the of faculties of Fine Arts "Cooperative learning and interior design"	136-158
Fayza Mohamed Ahmed Eldlaal	