Dr. Karwan Hama Faraj Jwamer
Faculty of Science and Science Education-School of Science, University of Sulaimani, Iraq

Prof. Mustafa Kamal
Faculty of Science, Mansoura University, Egypt

Dr. Mohsen Kazemi
Department of Animal Science, Excellence Center for Animal Science, Ferdowsi University of Mashhad, Iran

Dr. Mohamed Kchau
Higher Institute of Applied Sciences and Technology, University Of Sousse, Tunisia

Dr. Teerawong Laosuwan
Department of Physics, Faculty of Science, Mahasarakham University, Thailand

Dr. Lamri Laouamer
Faculty of Sciences, European University of Brittany, France

Dr. Nazar Elamin Ahmed Mahjoub
College of Applied and Industrial Sciences, University of Bahri, Sudan

Dr. Muhammad Naufal Bin Mansor
School of Mechatronic, University Malaysia Perlis, Malaysia

Dr. V. E. Nethaji Mariappan
Centre for Remote Sensing & Geoinformatics, Sathyabama University, India

Dr. Waled Sayed Koko Mohamed
Medical and Aromatic Plants Research Institute (MAPRI), Sudan

Dr. Tola Ahmed Mirza Mohammed
Department of Geology College of Science, University of Sulaimani, Iraq

Dr. Marmar Abdel Rahman El Siddig Mohammed
Department of Botany, Faculty of Science, University of Khartoum, Sudan

Dr. Titus A.M. Msagati
Department of Applied Chemistry, University of Johannesburg, South Africa

Dr. Manishita Mukherji
Amity Institute of Biotechnology, Amity University Rajasthan, Jaipur, Rajasthan, India

Dr. Rana Mukherji
Faculty of Science and Technology, The ICFAI University Jaipur, India

Dr. Ali Elnaeim Musa
University of Bahri-College of Applied and Industrial Sciences, Sudan

Dr. Mohamed Mujithaba Mohamed Najim
Department of Zoology, University of Kelaniya, Sri Lanka

Dr. Kanduri Venkata Lakshmi Narasimhacharyulu
Dept. of Maths, Bapatla Engineering College, Bapatla

Dr. El Mamoun Haroun Osman
College of Natural Resources and Environmental Studies, University of Bahri, Sudan

Dr. Zeinab Abdelrahim Osman
National Center for Research, Khartoum, Sudan

Dr. Venkata Kanthi Penmetsa
Department of Forest Products, Mississippi State University, USA

Dr. Suahir Sayed Mohammed A/Al Rahman
College of Veterinary Medicine University of Bahri, Sudan

Dr. Khaled Nabih Zaki Rashed
National Research Centre (NRC), Egypt

Dr. Mohammad Mehdi Rashidi
University of Michigan-Shanghai Jiao Tong University, China

Prof. El-Metwally Mahmoud Abedel Razek
Faculty of Science, Mansoura University, Egypt

Dr. Amir Samimi
Young Researchers and Elit Club, Islamic Azad University, Tehran, Iran

Dr. Moinuddin Sarker
Natural State Research, USA

Dr. Sukumar Senthilkumar
Vellore Institute of Technology-University, India

Dr. Shamshuritawati Sharif
School of Quantitative Sciences, College of Art and Sciences, Universiti Utara, Malaysia

Dr. Mohammad Israr Mohammad Suleman
Principal, Balaji Engineering College, Junagadh, Gujarat, India

Dr. Kamal Khalifa Taha
College of Applied and Industrial Sciences, University of Bahri, Sudan

Dr. Sakina M. A. Yagi
University of Khartoum, Sudan

Prof. Dr. K. S. Zakiuddin
College of Engineering, University of Nagpur, India

Assistant Editor

Nadia Abdrabo Abd El-Khalek Samak
Cairo University, Egypt

Mohamed Ahmed Mosleh Hefni
Nuclear Research Center, Atomic Energy Authority, Egypt

Safaa Hassan Omer El Hassan
China University of Geosciences, China

Magdi Elsheikh Idriss Mohammed
University of Bahri-College of Applied and Industrial Sciences, Sudan

Copyright © 2014 Research Publisher Inc. USA
TABLE OF CONTENTS

Volume 2  Number 6  December 2014

Isolation of a Flavone from the Sudanese Material of Cassia Kordofania (Leguminoseae)
Abdel Karim, M., Adil ,A.M. , Abd Elrazig, E .H. and Inas, O. .................................................................244

Characterization and Some Biological Activity of A Flavonol Isolated from Cassia Occidentalis Leaves

Study the Effects of Naphthenic Acid in Crude Oil Equipment Corrosion
Mohamed M. Elnour, Ibrahim M. Ahmed and Mahmoud T. Ibrahim .................................................................255

Contaminated Water in Industrial Areas in Khartoum State: Physical-Chemical Properties and Seasonal Variations
Isam Eldin Hussein Egailani and Ahmed Mohammed Elhassan .....................................................................261

Effects of Soil Media and Seed Origin on Germination Rate and Seedling Propagation of Acacia polycantha (Wild) subsp. campylacantha (Hochst. ex A.Rich.) Brenan.
Hamdon A. Abdelrhman, Heba.A.Noureldeen, Daldoum Mohammed Ahmed, Mohd Shahwahid and Paridah M.T. ....267

Copyright © 2014 Research Publisher Inc. USA
Journal of Applied and Industrial Sciences

Journal Information

SUBSCRIPTIONS

Journal of Applied and Industrial Sciences (online at www.researchpub.org/journal/jais/jais.html) is published bi-monthly by Research Publisher Inc., USA.

A subscription to the electronic version of JAIS is free and easy. Simply email your name and email address to subscribe@researchpub.org. To order the print, please print and complete 2014 subscription form. Then scan the signed form and send it to subscribe@researchpub.org. When you pay your total subscription fee, please send the scan of receipt to us as proof of payment. The printed journal should be sent to you quickly.

Subscription rates (2014):

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic</td>
<td>Free</td>
</tr>
<tr>
<td>Print</td>
<td>$299</td>
</tr>
</tbody>
</table>

COPYRIGHT

Copyright©2014, Research Publisher Inc. USA.
All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Research Publisher Inc.. We assumes no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

Copyright © 2014 Research Publisher Inc. USA