



American Scientific Research Journal for

Engineering, Technology, and Sciences

(ASRJETS)

Print & Online

Published by :



Visit: www.gssrr.org

ISSN



Members of the Editorial Board

Editor in chief

Dr. Mohammad Othman Nassar, Faculty of Computer Science and Informatics, Amman Arab University for Graduate Studies.

Editorial Board

- Prof. Dr. Ayhan Esi, Adiyaman University, Science and Art Faculty, Department of Mathematics, Turkey. aesi23@hotmail.com
- Prof. Dr. Iryna Morozova, Romance-Germanic Faculty, Odesa Mechnikov University, Ukraine.
- Prof. Dr. Ramel Tomaquin, Dean, CAS Surigao Del Sur State University Tandag City Surigao Del Sur, Philippines.
- Prof. Dr. Akbar Masood, Dean, Faculty of Biological Sciences Head, Department of Biochemistry, the University of Kashmir, India.
- Prof. Dr. Mahmoud Taha, Department of Dental Basic Sciences, College of Dentistry, Mosul University, Iraq.
- Dr. Aleksandra K. Nowicka, MD Anderson Cancer Center, Houston, Texas, USA.
- Prof. Dr. Aghareed Tayeb, Chemical Engineering Dept., Faculty of Engineering, Minia University, Egypt.
- Dr. Maria Luisa A. Valdez, Dean of Colleges and Head of Graduate School Batangas State University ARASOF Nasugbu Campus Nasugbu, Batangas, Philippines.
- Prof. Dr. Manu Rathee, Head of Department Department of Prosthodontics and Crown & Bridge Post Graduate Institute of Dental Sciences Pt. B. D. Sharma University of Health Sciences Rohtak, Haryana, India, ratheemanu@gmail.com
- Asso. Prof. Evangelos P. Hinis, National Technical University of Athens – NTUA, Greece.
- Asso. Prof. Fateh Mebarek-Oudina, Département des Sciences de la Matière, Faculté des Sciences, (Skikda University, Algeria), Algeria.
- Dr. Joseph Djeugap Fovo, University of Dschang, Faculty of Agronomy and Agricultural Science (FASA), Department of Plant Protection, Cameroon.
- Prof. Dr. Indrani Kelkar, Department of Mathematics, Acharya Institute of Technology, India.
- Dr. Agustin Nuñez Arceña, School Administrator/Dean of Colleges/Principal - University of the Visayas – Danao City Campus, Philippines.
- Dr. Tahira Naz, Centre of excellence in Marine biology, Karachi University, Pakistan.
- Prof. Dr. Smriti Agarwal, Head of Department, Amity School of Fashion Technology, Amity University Jaipur, India.
- Dr. Nimish H. Vasoya, Head - General Department, SANJAYBHAI RAJGURU COLLEGE OF ENGINEERING (Previously Om Shanti Engineering College), India.
- Dr. Hulela Keba, Botswana College of Agriculture. Faculty of Agriculture, Botswana.
- Prof. Dr. Hamed Kassem, Department of Zoology, Faculty of Science, Benghazi University, Libya. - Asso. Prof. Mario Fetalver, College of Arts & Sciences, Romblon State University, Philippines.
- Dr. Fazal Shirazi MD Anderson, Cancer Center, Texas, USA.
- Dr. Lowida L. Alcalde, Northwestern Mindanao State College of Science and Technology, Philippines.
- Dr. Daniel Haile, Wollo University, Dessie, Ethiopia.
- Dr. Salman Shahzad, Institute of Clinical Psychology University of Karachi, Pakistan.
- Dr. Kabita Satapathy, O.P. Jindal Institute of Technology, Raigarh, C.G., India.
- Dr. Ankur Rastogi, O.P. Jindal Institute of Technology, Raigarh (C.G.), India.
- Asso. Prof. Girish Mishra, O.P. Jindal Institute of Technology, Raigarh (C.G.), India.
- Dr. Esther Archibong, Dept. of Sociology, University of Calabar, Nigeria.
- Prof. Dr. Samir El-Sherif, College of Agriculture, Cairo University, Egypt.
- Asso. Prof. Zakaria Ahmed, Primeasia University, microbiology department, Bangladesh.
- Dr. Arfan Yousaf, Department of Clinical Sciences, Faculty of Veterinary and Animal Sciences, PMAS-Arid Agriculture University Rawalpindi, Pakistan. arfanyousaf@uaar.edu.pk
- Dr. Daniela Roxana Andron, Lucian Blaga University of Sibiu, Romania. daniela.andron@ulbsibiu.ro
- Dr. Florian Marcel Nuta, Faculty of Economics/Danubius University of Galati, Romania. floriann@univ-danubius.ro
- Dr. Rasmeh Ali AlHuneiti, Brunel University, United Kingdom. Rasmeh.AI-huneiti@brunel.ac.uk
- Dr. Rabindra Prasad Kayastha, Kathmandu University, Nepal. rkayastha@ku.edu.np
- Dr. Narayan Ramappa Birasal, KLE Society's Gudleppa Hallikeri College Haveri (Permanently affiliated to Karnataka University Dharwad, Reaccredited by NAAC), India. drnrbirasal@klegcollege.org
- Dr. Chandan Kumar Sarkar, IUBAT- International University of Business Agriculture and Technology, Bangladesh. csarkar@iubat.edu
- Prof. Dr. Felina Panas Espique, Dean at School of Teacher Education, Saint Louis University, Bonifacio St., Baguio City, Philippines. stedeand@slu.edu.ph
- Prof. Dr. Hye-Kyung Pang, Business Administration Department, Hallym University, Republic Of Korea. hkpang@hallym.ac.kr



ASRJETS

American Scientific Research Journal
for Engineering, Technology, and Sciences

ISSN