

## International Editorial Board

- ❖ Dr. Moinuddin Sarker  
Natural State Research, Inc., USA
- ❖ Dr. ahmed nabih zaki rashed  
Dr. in MENOUFIA UNIVERSITY, Egypt
- ❖ Dr. Lalan Kumar  
Central Institute of Mining and Fuel Research (CIMFR), Dhanbad, India
- ❖ Dr. Nadhir Al-Ansari  
Lulea University of Technology, Sweden
- ❖ Dr. Kolo, Stephen Sunday  
FUT, Minna, Niger State, Nigeria
- ❖ Dr. Siddalingeshwara K. G  
Gulbarga University, India
- ❖ Dr. M. Rizwan  
Delhi Technological University (Formaly Delhi College of Engineering), India
- ❖ Dr. Vuda Sreenivasarao  
Defence University college, Deberzeit, ETHIOPIA
- ❖ Dr. Abdul Mutalib Leman  
Universiti Tun Hussein Onn, Malaysia
- ❖ Dr. Salawu .O.W  
Federal University of Agriculture Makurdi , Benue State, Nigeria
- ❖ Prof. Dr. GYV Victor  
AMET Maritime University, India

Address: EHTP, National Highway  
8, Block A, Sector 34, Gurugram,  
Haryana 122001  
Email: [ijesi@invmails.com](mailto:ijesi@invmails.com)  
Website: [www.ijesi.org](http://www.ijesi.org)



## International Journal of Engineering and Science Invention

e-ISSN : 2319-6734

p-ISSN : 2319-6726

### Contents :

- |   |       |
|---|-------|
| Super-Resolution of Mars Satellite Images Using Convolutional Neural Networks<br><i>A.G. Manish, Kishan S.U., Deepak B., M.Siddarth, Dr. Sapna P.J</i>  | 01-06 |
| R/S Analysis on Hurst Exponent of Umbilical Artery Blood Flow Time Series<br><i>Kaijun Yu, Zhongwei Jiang</i>   | 07-11 |
| Estimation Par Approche Géospatiale De La Recharge Des Eaux Souterraines A L'aide Du SIG-Modèle Wetspass-M En Milieu Tropical : Cas Du Bassin Versant De La Rivière M'Bé, Dabakala Centre Nord De La Côte D'Ivoire.<br><i>YAO Yao Muller, DEH Serge Kouakou, EBA Balliet Larissa, EGY Asia, KOUAME Kan, JOURDA Jean Patrice</i> | 12-22 |
| Thermo Electric Refrigerator (TER) - Advancement in Refrigeration Cycle Using Peltier Effect<br><i>Joemax Agu, Kaleeswaran, Nandhakumari, Stalin Durai</i>  | 23-26 |
| Sensitivity to the Presence of Subsurface Cavities From Microtremor Response Data<br><i>Armand Fidèle Andrianasoavina Justin, Gatot Yuliyanto, Udi Harmoko</i>  | 27-31 |

Peer Reviewed Refereed Journal

Web : [www.ijesi.org](http://www.ijesi.org)

Email : [ijesi@invmails.com](mailto:ijesi@invmails.com)

**IJESI**  
Volume 11, Issue 6, Ser. 2, June - 2022