

## 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 :

Friction stir welding on Al-Mg Alloy plates by using Vertical Milling Machine	01-08
Atomic Absorption Spectrophotometric determination of Cadmium using biological materials	09-13
Recyclable Plastics and Recycling Technology	14-20
Development of a Strategic Road Safety Plan in the Company Aquaterra S.A.S	21-31
Design and Development and Analysis of Filament Winding machine for Composite materials	32-58

**IJESI**  
**Volume 12, Issue 12, December 2023**

Peer Reviewed Refereed Journal

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

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