

# International Journal of Engineering Inventions (IJEI)

## Executive Editorial Board

- ❖ Dr. Sebastian Johnson, Australia
- ❖ Dr. Prof Amelia White, USA
- ❖ Dr. Benjamin Robinson, USA
- ❖ Dr. Zachery Edwards, New Zealand
- ❖ Dr. Alejandra Plamer, Italy
- ❖ Dr. Fletcher Ramero, Nigeria
- ❖ Dr. Barrett Hale, Germany
- ❖ Dr. Webster, South Africa

## Associate Editorial Board

- ❖ Professor Amalendu Chandra ( IIT Kanpur)
- ❖ Professor N. Chandrakumar (IIT Chennai)
- ❖ Professor P. K. Chattaraj (IIT Kharagpur)
- ❖ Professor B. M. Deb (S. N. Bose Institute Kolkatta)
- ❖ Professor M. S. Gopinathan (IISER Trivendrum)
- ❖ Professor S. K. Ghosh (BARC, Mumbai)
- ❖ Professor R. V. Hosur (TIFR, Mumbai)
- ❖ Professor E. D. Jemmis (IISER Trivendrun)
- ❖ Professor D. G. Kanhere (University of Pune)
- ❖ Professor G. Mehata (IISC Bangalore)
- ❖ Professor Manoj K. Mishra (IIT, Bombay)
- ❖ Professor Debashis Mukharjee (IACS Kolkatta)
- ❖ Professor Sourav Pal (NCL, Pune)
- ❖ Professor V. N. R. Pillai (IGNU, New Delhi)
- ❖ Professor T. Ramasami (DST, New Delhi)
- ❖ Professor S. Ramasesha (IISC Bangalore)
- ❖ Professor R. Ramaswami (JNU, New Delhi)
- ❖ Professor K. L. Sebastian (IISC, Bangalore)
- ❖ Professor N. Sathyamurthy (IISER Mohali)
- ❖ Professor K. D. Sen (University of Hydrabad)
- ❖ Professor B. L. Tembe (IIT Bombay)

Address: R12/18, Rajnagar, Ghaziabad,  
U.P., India

Website URL : [www.ijeijournal.com](http://www.ijeijournal.com)

Email : [ijeij@editormails.com](mailto:ijeij@editormails.com)



Peer Reviewed Refereed Journal



The peer-reviewed International Journal

*Research in Science & Technology*

e-ISSN: 2278-7461

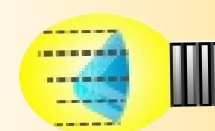
Volume : 14 Issue : 2 Series 2

p-ISSN: 2319-6491

## Contents :

<b>Adaptive approach of Multilayer Perceptron Neural Network for Global Irradiation Prediction: The Case of Madagascar</b>	<b>82-89</b>
<b>Building A Digital Platform Model To Support Training Activities At Thai Nguyen University Of Technology (TNUT)</b>	<b>90-94</b>
<b>RP-HPLC Method Development and Validation of Dolutegravir and Lamivudine in Bulk and Its Formulation</b>	<b>95-101</b>
<b>The Influence of Neuroscience on Teacher Training and Pedagogical Practices in Primary and Secondary Education</b>	<b>102-108</b>
<b>Some applications of Normal distribution in Machine Learning algorithms</b>	<b>109-114</b>
<b>Optimization of Multi-Stage Production Processes for Enhanced Efficiency and Resource Utilization</b>	<b>115-121</b>
<b>Advances in Petroleum System Analysis: A Multidisciplinary Review Integrating Source Rock Geochemistry, Overpressure Dynamics, and Paleogeographic Reconstructions</b>	<b>122-131</b>
<b>Multi-objective approach on costs, Resilience, Social Inclusion, and Energy Transition using MOPSO applied to the Interconnected Network of Antananarivo, Madagascar</b>	<b>132-141</b>
<b>Phytochemical Composition and Pharmacological Activities of Tagetes erecta L.: A Comprehensive Review</b>	<b>142-144</b>
<b>Repellent Activity of Methanol Extract of Tagetes erecta Against Mosquitoes: A Potential Biopesticide</b>	<b>145-148</b>

IJEI



The peer-reviewed International Journal

*Research in Science & Technology*