

List of Reviewers
(as per the published articles)
Year: 2025

Journal of Engineering Research and Reports
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2025 - Volume 27 [Issue 1]

Integrated IoT-based Smart Billing and LPG Gas Leakage Detection System for Energy Efficiency and Safety in Smart Living
DOI: 10.9734/jerr/2025/v27i11364

Reviewers:

- (1) Swagata Barik, University of Calcutta, India.
- (2) Ibtihaq Abdulwahhab Abdulrazzak, Al-Iraqia University, Iraq.
- (3) Oladapo Victor Bejide, Dorben Polytechnic, Nigeria.

Complete Peer Review History: <https://sdiarticle5.com/review-history/127748>

Scalable IoT-based Smart Plant Monitoring and Control System for Sustainable Agriculture
DOI: 10.9734/jerr/2025/v27i11365

Reviewers:

- (1) Babasaheb Dnyandeo Patil, Bharati Vidyapeeth (Deemed to be University), Pune, Institute of Management and Rural Development Administration, India.
- (2) T. Mylsami, Grd College of Science, Bharathiar University, India.
- (3) Lellapalli Rithesh, Kerala Agricultural University, India.

Additional Reviewers:

- (1) Lellapalli Rithesh, Kerala Agricultural University, India.
- (2) Zion Ramdinthara, Jain University, India.

Complete Peer Review History: <https://sdiarticle5.com/review-history/127750>

Development of a Palm Oil Clarifier Unit for Small Scale Palm Oil Processors
DOI: 10.9734/jerr/2025/v27i11366

Reviewers:

- (1) David Aniefiok Titus, Federal University Otuoke, Nigeria.
- (2) Lahai Koroma, Eastern Technical University, Sierra Leone.
- (3) Pramod Prabhakar, BAU, Sabour, India.

Complete Peer Review History: <https://sdiarticle5.com/review-history/128202>

Design of High Precision Dynamic Star Emulator by Two-beam Combination Method
DOI: 10.9734/jerr/2025/v27i11367

Reviewers:

- (1) Radheshyam Rathore, Mumbai University, India.
- (2) G. Nagalalli, Mahendra Engineering College, India.
- (3) Ravipati Srikanth, Vignan's Nirula Institute of Technology & Science for Women, India.
- (4) Manu Mitra, University of Bridgeport, USA.

Complete Peer Review History: <https://sdiarticle5.com/review-history/128700>

Impact of Fuel Injection Pressure and Timing on the Performance and Emissions of a Low Heat Rejection CI Engine with Fish Oil Methyl Ester, DEE and Butanol Blend
DOI: 10.9734/jerr/2025/v27i11368

Reviewers:

- (1) K. Sunil Kumar, Sri Venkateswara College of Engineering, India.
- (2) K. Siva Satya Mohan, Aditya College of Engineering & Technology, India.

Complete Peer Review History: <https://sdiarticle5.com/review-history/128356>

Influence of Sodium Silicate on the Properties of Wood Ash Blended Cement Concrete
DOI: 10.9734/jerr/2025/v27i11369

Reviewers:

- (1) Sani Aliyu, Kampala International University, Uganda.
- (2) S. Suresh, Sona College of Technology, India.

Additional Reviewers:

- (1) Alok Raj, Rashtrakavi Ramdhsri Singh Dinkar College of Engineering, Bihar Engineering University, India.

Complete Peer Review History: <https://sdiarticle5.com/review-history/128898>

Simulation Study Based on the Influencing Factors of Vibrating Screen Screening Efficiency
DOI: 10.9734/jerr/2025/v27i11370

Reviewers:

- (1) Adil Abd Elsamia Meselhy, Desert Research Center, Egypt.
- (2) Mahmood Rahmani Firozjaei, College of Engineering, University of Tehran, Iran.

Additional Reviewers:

- (1) Ali Yeganeh, University of Mashhad, Iran.
- (2) Emmanuel Austine Ebinga Osore, Masinde Muliro University of Science and Technology, Kenya.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129226>

Enhancement of the Small-Signal Stability of Nigerian 330 kV Transmission Network using Static Synchronous Compensator
DOI: 10.9734/jerrl/2025/v27i11371**Reviewers:**

- (1) R. Nithya, C.K. College of Engineering & Technology, Anna University, India.
- (2) Zulfiana Safitri Majid, State Polytechnic of Ujung Pandang, Indonesia.

Complete Peer Review History: <https://sdiarticle5.com/review-history/128993>

GIS-Based Analysis of Crop Yield Trends in Response to Climate Change Using Data-Driven Analysis Systems (DDAS) Techniques
DOI: 10.9734/jerrl/2025/v27i11372**Reviewers:**

- (1) Mrutyunjay Padhiary, Assam University, India.
- (2) Jaikumar M. Patil, Shri Gajanan Maharaj College of Engineering, India.

Additional Reviewers:

- (1) Reza Sokouti, AREEO, Iran.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129203>

Analytic Determination of the Roller Length of a Hydraulic Jump in an Open Channel Flow Using a Bouncing Ball
DOI: 10.9734/jerrl/2025/v27i11373**Reviewers:**

- (1) Yasser A. M. Moussa, Jazan University, KSA.
- (2) Ehsan Aminvash, University of Tabriz, Iran.
- (3) Nuray Oktem, Ankara Yıldırım Beyazıt University, Türkiye.
- (4) S. K. Mazumder, Delhi Technology University, India.

Complete Peer Review History: <https://sdiarticle5.com/review-history/127641>

Optimized ANN-Based Methodology for Fault Detection and Localization in Power Transmission Networks
DOI: 10.9734/jerrl/2025/v27i11374**Reviewers:**

- (1) A. Balamurugan, Shree Sathyam College of Engineering and Technology, India.
- (2) Sathishkumar Chintala, United States of America.

Additional Reviewers:

- (1) Deepak Kumar, Delhi Technological University, India.
- (2) Muhamed Al-Sultan, Karabuk University, Türkiye.
- (3) Rabinarayan Sethi, Indira Gandhi Institute of Technology Sarang, India.
- (4) Rahul Ramrao Gunjker, Shri Shivaji Institute of Engineering and Management Studies, India.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129339>

Modeling Mechanical Properties of Concrete with Bida Natural Stones as Coarse Aggregate
DOI: 10.9734/jerrl/2025/v27i11375**Reviewers:**

- (1) R Ranjith, Narayana Engineering College, India.
- (2) Abdelaziz Yousuf Mohamed, Yildiz Technical University, Türkiye.
- (3) Ananya Saha, Khulna University of Engineering & Technology, Bangladesh.

Additional Reviewers:

- (1) Erniati Bachtiar, Universitas Fajar (Fajar University), Indonesia.
- (2) Hyginus Obinna Ozioko, Michael Okpara University of Agriculture Umudike, Nigeria.
- (3) P. Maria Antony Sebastin Vimalan, Anna University, India.
- (4) Usha S, Sri Siddhartha Institute of Technology, India.
- (5) Yisihak Gebre Tarekegn, Addis Ababa University (AAU), Addis Ababa Institute of Technology (AAiT), Ethiopia.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129347>

The Use of Reinforced Concrete for Durable and Aesthetic Sports and Recreational Sports
DOI: 10.9734/jerrl/2025/v27i11376**Reviewers:**

- (1) Manoj Hirji Mota, Shivaji University, India.
- (2) Vikrantkumar Amrutlal Patel, Sankalchand Patel College of Engineering, Sankalchand Patel University, India.

Additional Reviewers:

- (1) Hala Abdelrahman Metawei, Egypt.
- (2) Peyman Maleki, Ayatollah Boroujerdi University, Iran.

Complete Peer Review History: <https://sdiarticle5.com/review-history/128549>

Investigating Stability and Structural Behavior of Steel Pipe Column-Berger Beam Systems
DOI: 10.9734/jerr/2025/v27i11377

Reviewers:

- (1) Amanyire Barozi Victoire, International University of East Africa, Uganda.
- (2) Vivekanandan R, Government College of Engineering, India.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129287>

A Review on Porous Structure Negative Poisson's Ratio Metamaterials
DOI: 10.9734/jerr/2025/v27i11378

Reviewers:

- (1) Ohaegbue Anthony Dumbi, Ladoko Akintola University of Technology, Nigeria.
- (2) Muhammad Shafiq, Abbottabad University of Science & Technology, Pakistan.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129548>

Construction Technology and Quality Control of Reinforced Concrete Beam and Column Joints
DOI: 10.9734/jerr/2025/v27i11379

Reviewers:

- (1) Win Ko Myint Thu, Russian University of Transport, Myanmar.
- (2) Pradeep A R, Sri Siddhartha Academy of Higher, India.
- (3) Muhammad Kh, Nera East University, Iraq.

Additional Reviewers:

- (1) Iyer Vijayalaxmi Kasinath, School of Planning and Architecture, Vijayawada, India.
- (2) Christ John L. Marcos, Mapua University, Philippines.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129798>

Empirical Relationship between Compressive, Flexural and Splitting Tensile Strengths of Concrete Containing Kuta Gravel as Coarse Aggregate
DOI: 10.9734/jerr/2025/v27i11380

Reviewers:

- (1) Hussein Sadiq Latief, Southern Technical University, Iraq.
- (2) A. Mohan, Easwari Engineering College, India.
- (3) Muhammad Aslam, Wenzhou University of Technology, China.

Additional Reviewers:

- (1) Musefiu Omotoso Oyelowo, Adeleke University, Nigeria.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129536>

Numerical Analysis of Welding Heat Source Temperature Field
DOI: 10.9734/jerr/2025/v27i11381

Reviewers:

- (1) M V N Srujan Manohar, Malla Reddy University, India.
- (2) S. Saravanan, Annamalai University, India.
- (3) Valery Kostin, E.O. Paton Electric Welding Institute, Ukraine.

Additional Reviewers:

- (1) Aivars Aboltins, Latvia University of Life Sciences and Technologies, Latvia.
- (2) Ibrahim Sabry, Benha University, Egypt.
- (3) Roman Selin, Ukraine.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129851>

Advances in Basalt Fiber Reinforced Cement-based Composites: Mechanical Properties and Durability Insights
DOI: 10.9734/jerr/2025/v27i11382

Reviewers:

- (1) Shahir Ahmad Safi, University of Engineering and Technology (UET), Pakistan.
- (2) Mohammad Hematibahar, Moscow State University of Civil Engineering, Iran.

Additional Reviewers:

- (1) Mohammed-Amin Boumehraz, Jijel University, Algeria.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129891>

Analysis of Construction Technology of Shear Wall in House Construction
DOI: 10.9734/jerr/2025/v27i11383

Reviewers:

- (1) Rushikesh Vijaykumar Bandal, COEP Technological University, India.
- (2) Intekhab Uddin Ahmad Chy, Rajshahi University of Engineering & Technology, Bangladesh.

Additional Reviewers:

- (1) Ghufuran Ahmad Khan, University of Technology and Applied Sciences, Muscat.
- (2) Syed Shafahaduddin Quadri, P.E.S. College of Engineering, India.
- (3) Mohamed Laissy, University of Prince Mugrin, Saudi Arabia.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129795>

Water Management from Source to Plot in the Aneker Irrigated Area Within Dysfunction and Proposed Solutions, Niger, Africa
DOI: 10.9734/jerr/2025/v27i11384

Reviewers:

- (1) Abdulkareem Ibrahim Ayinla, Kaduna Polytechnic, Nigeria.
- (2) Azizz Mazian, University of Hassan II Mohammedia Casablanca, Morocco.
- (3) Bhabani Shankar Das, National Institute of Technology, India.

Additional Reviewers:

- (1) Ali N. Hilo, Wasit University, Iraq.
- (2) Goumpoukini Boguido, Togo.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129142>

Data Governance for Emerging Technologies: A Conceptual Framework for Managing Blockchain, IoT, and AI
DOI: 10.9734/jerr/2025/v27i11385

Reviewers:

- (1) Muyiwa Emmanuel DAGUNDURO, Afe Babalola University Ado-Ekiti, Nigeria.
- (2) Chirag Mavani, USA.
- (3) Hirenkumar Mistry, Grand Canyon University, USA.

Additional Reviewers:

- (1) Harish Narne, University of Texas, United States.
- (2) Titilayo Modupe Kolade, University of the Cumberland, United States of America.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129818>

Technological Progress and Engineering Applications: Safety Impacts for Workplaces and Society
DOI: 10.9734/jerr/2025/v27i11386

Reviewers:

- (1) Mohamed Ben Saed, Libya.
- (2) Maria Pilarczyk, Czestochowa University of Technology, Poland.
- (3) Rajath Karangara, Welingkar Institute of Management, USA.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129667>

Innovative Practices in Large-span Prestressed Concrete Beam Construction for Housing Projects
DOI: 10.9734/jerr/2025/v27i11387

Reviewers:

- (1) Seymour Razimoghly, Azerbaijan University Architecture and Construction, Azerbaijan.
- (2) Mohamed Salem, Housing and Building National Research Center (HBRC), Egypt.

Additional Reviewers:

- (1) Basil Ahamed S, JNN Institute of Engineering, India.
- (2) Syed Shafahaduddin Quadri, Dr. Babasaheb Ambedkar Marathwada University, India.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129806>

RODDMS-IoT: A Radar Based Real-Time Moving Object Detection and Distance Measurement System Using IoT for Enhanced Safety
DOI: 10.9734/jerr/2025/v27i11388

Reviewers:

- (1) Radhakrishna Karne, CMR Institute of Technology, India.
- (2) Dileep Reddy Bolla, Nitte University, India.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129383>

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Development of an IoT-based Traffic Signal Violation Detection System
DOI: 10.9734/jerr/2025/v27i21389

Reviewers:

- (1) Osowomuabe Njama-Abang, University of Calabar, Nigeria.
- (2) Shubhada Parashar Mone, Sri Savitribai Phule Pune University, India.

Complete Peer Review History: <https://sdiarticle5.com/review-history/128855>

Investigating the Feasibility and Risks of Leveraging Artificial Intelligence and Open Source Intelligence to Manage Predictive Cyber Threat Models
DOI: 10.9734/jerr/2025/v27i21390

Reviewers:

- (1) Sindu Padmanabhan, Australia.
- (2) Yeshwanth Vasa, USA.
- (3) Haritha Rajeev, Bharata Mata College, India.
- (4) Akinbusola Olushola, Indiana University of Pennsylvania, United States.

Additional Reviewers:

- (1) Abdiasis Ahmed Mohamed, National Taiwan University of Technology, Somaliland.
- (2) Abdullahi Monsuru Olalekan, Nigeria.
- (3) Abhilash Reddy Pabbath Reddy, USA.
- (4) Bangar Raju Cherukuri, United States of America.
- (5) S. Dilip Kumar, NGM College, India.
- (6) Edi Hezri Hairi, University of Wollongong Malaysia, Malaysia.
- (7) Lakshminarayana Reddy Kothapalli Sondinti, USA.

- (8) Noble Udo Nwanhele, Akanu Ibiam Federal Polytechnic, Nigeria.
(9) Praveen Kumar Maraju, USA.
(10) Radhika K G, University College, Mangalore, India.
(11) Venugopal Tamraparani, University of Tampa, Visvesvariah Technological University, USA.
(12) Md Zahidul Islam, Gannon University, USA.
(13) Sanjib Kumar Shil, International American University, USA.

Complete Peer Review History: <https://sdiarticle5.com/review-history/130153>

Continuous Data Quality Improvement in Enterprise Data Governance: A Model for Best Practices and Implementation
DOI: 10.9734/jerr/2025/v27i21391

Reviewers:

- (1) Ahmed Olabisi Olajide, University of Bradford, United Kingdom.
(2) Dorcas Folasade Oyeboode, Purdue University Northwest, United States.
(3) Rianat Abbas, Baylor University, United States.

Additional Reviewers:

- (1) Abuh Ibrahim Sani, University of Bradford, United Kingdom.
(2) Deepak Jayabalan, USA.
(3) Katragadda Raghuvveer, VR Siddhartha Engineering College, India.
(4) Nagender Yadav, USA.
(5) Rajesh Vayyala, United States.
(6) Rasheed Afolabi, Baylor University, United States of America.
(7) Sandip J. Gami, USA.
(8) Vamshi Bharath Munagandla, Northeastern University, USA.
(9) Victoria Ogunsanya, University of Bradford, United Kingdom.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129819>

Effect of Using Plant Fiber on The Properties of Concrete
DOI: 10.9734/jerr/2025/v27i21392

Reviewers:

- (1) D. Suresh, VSB Engineering College, India.
(2) Thuany Espírito Santo de Lima, Federal Center for Technological Education Celso Suckow da Fonseca, Brazil.
(3) NA Abdulla, University of Salahaddin, Iraq.
(4) Zainab Sabah Rasoul, Al-Furat Al-Awsat Technical University, Iraq.

Additional Reviewers:

- (1) Mvogo Neme Sebastien Didime, University of Douala, Cameroon.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129887>

Construction of an Experimental Device for Military Communication Using Binary Amplitude Shift Keying
DOI: 10.9734/jerr/2025/v27i21393

Reviewers:

- (1) Belay Sitotaw Goshu, Dire Dawa University, Ethiopia.
(2) Chinchu Joseph, Defence Institute of Advanced Technology, India.

Additional Reviewers:

- (1) Mahmudul Hasan, Ahsanullah University of Science & Technology, Bangladesh.
(2) M. Srilatha, Vardhaman College of Engineering, India.
(3) Ahmad Alhosban, Amman Arab University, Jordan.

Complete Peer Review History: <https://sdiarticle5.com/review-history/130084>

System under Seismic Loadings and Seismic Response of Curve Bridge with Frictional Pendulum System under Multidimensional Seismic Excitation
DOI: 10.9734/jerr/2025/v27i21394

Reviewers:

- (1) Masoud Mahdavi, K. N. Toosi University of Technology, Iran.
(2) Pedro Seco e Pinto, University of Coimbra, Portugal.

Additional Reviewers:

- (1) Rachid Derbal, University of Ain Temouchent, Algeria.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129665>

Advances and Current Applications of Two-dimensional Force Sensors
DOI: 10.9734/jerr/2025/v27i21395

Reviewers:

- (1) Hadi Kolivand, Razi University, Iran.
(2) Suraj Shukla, Atmiya Institute of Technology and Science, India.

Additional Reviewers:

- (1) Aristide Timene, University of Ngaoundere, Cameroon.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129986>

Contact Stress Analysis of the Slewing Bearing of Truck Cranes
DOI: 10.9734/jerr/2025/v27i21396

Reviewers:

- (1) Roberto P.L. Caporali, Italy.
(2) Nguyen Hong Tien, Hanoi University of Industry, Vietnam.

Additional Reviewers:

- (1) Amit Tiwari, Suresh Gyan Vihar University, India.
- (2) Elvis Adril, Politeknik Negeri Padang, Indonesia.

Complete Peer Review History: <https://sdiarticle5.com/review-history/130243>

Machine Learning in Construction: A Systematic Review with a Focus on Nigeria
DOI: 10.9734/jerr/2025/v27i21397**Reviewers:**

- (1) Rita Li, Hong Kong Shue Yan University, China.
- (2) Prince Joshua Gladson J, Ponnaiyah Ramajayam Institute of Science and Technology, India.

Additional Reviewers:

- (1) Girmay Mengesha Azanaw, University of Gondar, Ethiopia.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129414>

Enhancing Liquid Metal Quality in Aluminum Alloys: A Study on Refining Techniques
DOI: 10.9734/jerr/2025/v27i21398**Reviewers:**

- (1) Derya Dispinar, Netherlands.
- (2) Bhaskar Dhiman, India.

Additional Reviewers:

- (1) L. Karthikeyan, Ramco Institute of Technology, India.
- (2) Prasenjit Singha, IIT Kharagpur, India.

Complete Peer Review History: <https://sdiarticle5.com/review-history/130321>

Enhancing Incident Response Strategies in U.S. Healthcare Cybersecurity
DOI: 10.9734/jerr/2025/v27i21399**Reviewers:**

- (1) Ajit Kumar, Noida Institute of Engineering and Technology, India.
- (2) Shakir Mehdiyev, Cyber-Physical Systems Institute of Information Technology, Azerbaijan.
- (3) Ankush Ramprakash Gautam, United States of America.

Additional Reviewers:

- (1) Abhilash Reddy Pabbath Reddy, USA.
- (2) Amos Ogunola, The University of Georgia, United States.
- (3) Ayokunle Akinsanya, United States of America.
- (4) Ifeanyi Stanly Nwokoro, Rhema University, Nigeria.
- (5) Khalilur Rahman, Gannon university, USA.
- (6) S. Lara Priyadharshini, Psgr Krishnammal College For Women, India.
- (7) Muhammad Ashraf Faheem, Lahore Leads University, Pakistan.
- (8) Olajide Soji Osundare, NIBSS, Nigeria.
- (9) Priyanka Neelakrishnan, India.
- (10) Ramya Ramachandran, India.
- (11) C. Senthil Selvi, B S Abdur Rahman Crescent Institute of Science and Technology, India.
- (12) Tosin Clement, University Of Louisville, United states.

Complete Peer Review History: <https://sdiarticle5.com/review-history/130365>

Innovative Regulation of Open Source Intelligence and Deepfakes AI in Managing Public Trust
DOI: 10.9734/jerr/2025/v27i21400**Reviewers:**

- (1) Thien Anh Nguyen Bui, John Von Neuman Institute, Vietnam.
- (2) Md Afroz, Al Faisal University, Prince Sultan College of Business, Saudi Arabia.
- (3) Nikita Yogesh Kapadnis, Pune Institute of Computer Technology, India.
- (4) Rakesh Kumar ER, Texila American University, Guyana.

Additional Reviewers:

- (1) Dhanveer Singh, USA.
- (2) K. Kumutha, Vels University, India.
- (3) Qamar Shahzad Memon, Government College University, Faisalabad, Pakistan.

Complete Peer Review History: <https://sdiarticle5.com/review-history/130479>

Fatigue Life Prediction of Wheels for CRH2 High-speed Train Due to Flexible Tracks
DOI: 10.9734/jerr/2025/v27i21401**Reviewers:**

- (1) T Ravi Kumar, DMS SVH College of Engineering, India.
- (2) Ronald Fernando Rodriguez Espinoza, Universidad Autonoma del Peru, Peru.
- (3) Yasir Zulfiqar, Pakistan Institute of Engineering and Applied Sciences, Pakistan.

Additional Reviewers:

- (1) Esmaeil Mirmahdi, Technical and Vocational University Golpayegan, Iran.

Complete Peer Review History: <https://sdiarticle5.com/review-history/126004>

Optimizing Resource Allocation with Predictive Analytics: A Review of Data-Driven Approaches to Operational Efficiency
DOI: 10.9734/jerr/2025/v27i21402

Reviewers:

- (1) Girmay Mengesha Azanaw, University of Gondar, Ethiopia.
- (2) Kanaka Rakesh Varma Kothapalli, United States of America.
- (3) Mahfuz Alam, International American University, USA.

Additional Reviewers:

- (1) Ajatashatru Samal, Visvesvaraya Technological University or Sri Venkateshwara College of Engineering, India.
- (2) Emmanuella Onyinye Nwulu, Nigeria.
- (3) Sajeeda parveen shaik, GVR&S College of Engineering & Technology, India.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129975>

Computational Analysis of Aluminum Corrosion Inhibition Potentials Using Selected Thiosemicarbazide Derivatives
DOI: 10.9734/jerr/2025/v27i21403

Reviewers:

- (1) Milad Edraki, Islamic Azad University, Iran.
- (2) Yusuf Waidi, Nigeria.

Additional Reviewers:

- (1) K. Lavanya, Gouthami Institute of Technology and Management for Women, India.
- (2) Subramania Angaiah, Pondicherry University, India.

Complete Peer Review History: <https://sdiarticle5.com/review-history/130164>

Design and Simulation of Aircraft Pitch Control Using Matrix Transformation Techniques
DOI: 10.9734/jerr/2025/v27i21404

Reviewers:

- (1) Azmirul Hoque, Assam University, India.
- (2) Muhamad Sofi Bin Manda, Polytechnic Sultan Haji Ahmad Shah, Malaysia.
- (3) Saif Ali Kadhim, University of Technology, Iraq.
- (4) Osamah Fadhil Abdulateef, University of Baghdad, Iraq.
- (5) Xiaomin Chen, China.

Additional Reviewers:

- (1) Nitin Girdhar Shinde, Dr. Babasaheb Ambedkar Technological University, India.
- (2) Pankaj Balasaheb Gavali, Rajarambapu Institute of Technology, India.
- (3) T Ravi Kumar, DMS SVH College of Engineering, India.

Complete Peer Review History: <https://sdiarticle5.com/review-history/130184>

Pylon of an Irregular Low Pylon Cable-Stayed Bridge: A Review
DOI: 10.9734/jerr/2025/v27i21405

Reviewers:

- (1) Debiao Meng, School of Mechanical and Electrical Engineering, University of Electronic Science and Technology of China, China.
- (2) Rehan Ahmad Khan, Aligarh Muslim University, India.

Complete Peer Review History: <https://sdiarticle5.com/review-history/130059>

Well-to-Wheel Efficiency and Energy Consumption Analysis for Mild Hybrid Electric Vehicles
DOI: 10.9734/jerr/2025/v27i21406

Reviewers:

- (1) Billa Pardhasaradhi, Kalasalingam Academy of Research and Education, India.
- (2) Sivaprasad Kollati, Godavari Institute of Engineering and Technology, India.
- (3) Eda Bilgic, Turkey.

Additional Reviewers:

- (1) Jayakiran Reddy E, Sreenidhi Institute of Science and technology, India.
- (2) Chandra Prakash Jain, Rajasthan Technical University, India.
- (3) Chukwuebuka Nwakile, Rice University, United States of America.
- (4) S. Saravanan, B V Raju Institute of Technology, India.
- (5) Uttam Kumar Gupta, Anand International College of Engineering, India.

Complete Peer Review History: <https://sdiarticle5.com/review-history/130695>

Data Augmentation Techniques Using Generative Adversarial Networks: Employing GANs to Create Synthetic Data for Enhancing Machine Learning Model Training
DOI: 10.9734/jerr/2025/v27i21407

Reviewers:

- (1) Nishiya Vijayan, Mar Athanasius College of Engineering, India.
- (2) Archana Balkrishna Yadav, Gujarat Technological University, India.
- (3) Alireza Safariyan, Jahrom University, Iran.

Additional Reviewers:

- (1) Biplove Pokhrel, Gandaki College of Engineering and Science, Nepal.

Complete Peer Review History: <https://sdiarticle5.com/review-history/129979>

Scalable Anomaly Detection with Machine Learning: Techniques for Managing High-Dimensional Data Streams
DOI: 10.9734/jerrl/2025/v27i21408

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DOI: 10.9734/jerrl/2025/v27i21410

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Adversarial Threats to AI-Driven Systems: Exploring the Attack Surface of Machine Learning Models and Countermeasures
DOI: 10.9734/jerrl/2025/v27i21413

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2025 - Volume 27 [Issue 3]**The Ethical and Legal Implications of Shadow AI in Sensitive Industries: A Focus on Healthcare, Finance and Education**

DOI: 10.9734/jerr/2025/v27i31414

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AI-Driven Fraud Detection: A Risk Scoring Model for Enhanced Security in Banking

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Advancing Cloud Security in Digital Finance: AI-Driven Threat Detection, Cryptographic Solutions, and Privacy Challenges

DOI: 10.9734/jerr/2025/v27i31416

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Development of Fuzzy Logic Automatic Fish Feeding System and Iot-based Water Quality Control

DOI: 10.9734/jerr/2025/v27i31417

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DOI: 10.9734/jerr/2025/v27i31418

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Advanced Data Analytics for Real-Time Performance Engineering
DOI: 10.9734/jerr/2025/v27i31419

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Analysis of Submersible Pump Performance in a Waterlogged Environment
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Wind Energy Potential in Nigeria: A Computational Study of Wind Turbine Performance
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DOI: 10.9734/jerr/2025/v27i31423

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Can AI Reduce Bias in Tenant Screening? An In-Depth Analysis for the US Market
DOI: 10.9734/jerr/2025/v27i31424

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Improving Road Safety: Assessing Curve Geometry of Road Network in Rivers State University Main Campus, Port Harcourt, Nigeria
DOI: 10.9734/jerr/2025/v27i31425

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Three New Approaches to Estimating Energy Losses in Stepped Spillways with the Channel Slope of 8.9°
DOI: 10.9734/jerr/2025/v27i31426

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DOI: 10.9734/jerr/2025/v27i31427

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Sustainable Remediation Technique for Heavy Metals-Contaminated Soil Using Agro-Waste
DOI: 10.9734/jerr/2025/v27i31428

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Toward Certification of Wing-Structure- Integrated Hydrogen Tanks: A Cross-Industry Review of Relevant Standards
DOI: 10.9734/jerr/2025/v27i31429

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Analysis of Signalized Traffic Control Systems in Uyo Metropolis
DOI: 10.9734/jerr/2025/v27i31430

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Design and Implementation of the Cloud Platform System of the Picking Robot
DOI: 10.9734/jerr/2025/v27i31431

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The Use of Straw Grass as a Sustainable Approach in Reinforcement of Ring Culvert
DOI: 10.9734/jerr/2025/v27i31432

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Thermodynamic Analysis of Hydromagnetic Micropolar Nanofluid Flow with Viscous Dissipation and Non-Uniform Heat Source in a Porous Channel
DOI: 10.9734/jerr/2025/v27i31433

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Design of Generalized Gamma $\tilde{X}$ and s Control Charts for Monitoring Industrial Process
DOI: 10.9734/jerr/2025/v27i31434

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Crystallographic Investigation of PVA@PLA Nanocomposite Film by X-ray Diffraction: Insight from High Resolution TEM
DOI: 10.9734/jerr/2025/v27i31436

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Well-to-Wheels Efficiency Analysis for Plug-in Hybrid Electricvehicles
DOI: 10.9734/jerr/2025/v27i31437

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Modeling and Simulation Analysis of Hybrid Electric Vehicle Based on AMESim Software
DOI: 10.9734/jerr/2025/v27i31438

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Securing Confidentiality in Distributed Ledger Systems with Secure Multi-party Computation for Financial Data Protection
DOI: 10.9734/jerr/2025/v27i31439**Reviewers:**

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McNamm Wheel AGV Design
DOI: 10.9734/jerr/2025/v27i31440**Reviewers:**

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Recent Advancements in Machine Vision Systems for Industrial Defect Detection: A Review
DOI: 10.9734/jerr/2025/v27i31441**Reviewers:**

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- (3) Ritu Agarwal, Raj Kumar Goel Institute of Technology, India.

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Developing Proactive Threat Mitigation Strategies for Cloud Misconfiguration Risks in Financial SaaS Applications
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The Role of Zero-Knowledge Proofs in Blockchain-Based Property Transactions to Ensure Data Privacy and Compliance with UK Regulations
DOI: 10.9734/jerr/2025/v27i31443**Reviewers:**

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Enhancing Data Resilience in Cloud-based Electronics Health Records through Ransomware Mitigation Strategies Using NIST and MITRE ATT&CK Frameworks
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Performance Evaluation of a Hybrid Dryer for Grains
DOI: 10.9734/jerr/2025/v27i31445

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- (5) Kanto Andriamialisoa, Ecole Supérieure Polytechnique d'Antananarivo, Université d'Antananarivo, Madagascar.
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- (7) Mohammed Naser Farooqui, Maharashtra Institute of Technology, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/132106>

Optimizing Energy Recovery in Hybrid Electric Vehicles Using A-ECMS Strategy
DOI: 10.9734/jerr/2025/v27i31446

Reviewers:

- (1) Billa Pardhasaradhi, Brilliant Grammar School Educational Society's Group of Institutions – Integrated Campus, India.
- (2) Bugatha Ram Vara Prasad, Lendi Institute of Engineering and Technology, India.

Additional Reviewers:

- (1) Abd El-Fattah A. Omran, Egypt.
- (2) Deepika Lokesh, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/132562>

Application of Intelligent Overcurrent Relays for Real-time Protection of Induction Motor under Fault Conditions
DOI: 10.9734/jerr/2025/v27i31447

Reviewers:

- (1) Sourav Debnath, Swami Vivekananda Institute of Science & Technology, India.
- (2) Nithya Ramalingam, C.K. College of Engineering and Technology, India.

Additional Reviewers:

- (1) Enas Dawood Hassan, Iraq.
- (2) Nur Rachman Supadmana Muda, Politeknik Angkatan Darat, Indonesia.
- (3) Sourav Debnath, Swami Vivekananda Institute of Science & Technology, India.
- (4) Suravi Thakur, Indian Institute of Technology Delhi, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/132654>

Improvement of the Mechanical and Water Absorption Properties of C. Citrus Fibre Reinforced Polyester Composite: Response Surface Methodology Approach
DOI: 10.9734/jerr/2025/v27i31448

Reviewers:

- (1) Thuany Espirito Santo de Lima, Federal Center for Technological Education Celso Suckow da Fonseca (CEFET/RJ), Brazil.
- (2) G. Punitha Kumari, J. J College of Engineering and Technology, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/132485>

Comparative Study on Static Voltage Stability Indices of New Energy Power Station Grid-Connected System
DOI: 10.9734/jerr/2025/v27i31449

Reviewers:

- (1) Mehmet Rida Tur, Batman University, Turkey.
- (2) Bugatha Ram Vara Prasad, Lendi Institute Of Engineering And Technology, India.

Additional Reviewers:

- (1) B. Kailashkumar, Paavai Engineering College, India.
- (2) V. Saravanan, Arunai Engineering College, India.
- (3) Youssef AIT EL KADI, Sultan Moulay Slimane University, Morocco.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/132486>

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Impact of Statistical Software and Separation Methods for Bio-Oil Extraction from Yellow Oleander Seeds: A Review (2011-2023)
DOI: 10.9734/jerr/2025/v27i41450

Reviewers:

- (1) Pravin Sankhwar, Michigan Technological University, USA.
- (2) Saif Ali Kadhim, University of Technology, Iraq.

Additional Reviewers:

- (1) Avinash Kumar Namdeo, Lingaya's Vidyapeeth, India.
- (2) Bilal Abdullah Nasir, Northern Technical University, Iraq.
- (3) Chethan S G, JNN College of Engineering, India.
- (4) Christiana Olajumoke Oyekanmi, University of Delaware, United States.
- (5) Joseph Akintola, Lagos State University, Nigeria.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/131978>

Wet Electrostatic Precipitators in Food Processing Plants
DOI: 10.9734/jerr/2025/v27i41452

Reviewers:

- (1) Abdul Muis Praselia, Universitas Borneo Tarakan, Indonesia.
- (2) Subhadip Nandi, Brainware University, India.

Additional Reviewers:

- (1) M. Shyamalagowri, Anna University, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/133153>

Development of an Ultrasonic Chicken Counter
DOI: 10.9734/jerr/2025/v27i41453

Reviewers:

- (1) Christian Chukwuemeka Nzeanorue, George Washington University, United States.
- (2) Muhibul Haque Bhuyan, American International University Bangladesh (AIUB), Bangladesh.
- (3) Meeniga Vijaya Lakshmi, G. Narayanamma Institute of Technology and Science (For Women), India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/132690>

Multiclass Retinal Image Classification for Diabetic Retinopathy Stages Using DenseNet
DOI: 10.9734/jerr/2025/v27i41454

Reviewers:

- (1) Neeraj Kumar Rathore, Indira Gandhi National Tribal University, India.
- (2) Snehal R. Shinde, SVU, India.

Additional Reviewers:

- (1) Bahaa Saifalnasr Rabi Mohammed Aissa, Benha University, Egypt.
- (2) Pedro Arguijo, National Institute of Technology of Mexico, Misanla Campus, Mexico.
- (3) Samia Akhtar, Virtual University of Pakistan, Pakistan.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/133145>

Investigation Into Skilled Labour Deficient Trades in Building Delivery Process in South East, Nigeria
DOI: 10.9734/jerr/2025/v27i41455

Reviewers:

- (1) Anthony Obododike Ekwuno, South Africa.
- (2) Leonard Chakauya, South Africa.
- (3) Olowolayemo Oluwaseun Ebenezer, Nigeria.

Additional Reviewers:

- (1) Ekekezie Uchenna Charity, Enugu State University Of Science & Technology, Nigeria.
- (2) Hossam Al-Abbasy, Egypt.
- (3) Margaret Phanasa Keorapetse, Universidade Federal do Rio Grande do Sul (UFRGS), Brazil.
- (4) Yolanda Skhululiwe Maphosa, Stellenbosch University, South Africa.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/131769>

Artificial Intelligence in Legal Practice: Opportunities, Challenges, and Future Directions
DOI: 10.9734/jerr/2025/v27i41456

Reviewers:

- (1) Diwash Kapil Chettri, Medhavi Skills University, India.
- (2) Satya Kiranmai Tadepalli, Chaitanya Bharathi Institute of Technology(A), India.
- (3) Archana Balkrishna Yadav, Gujarat Technological University, India.

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- (1) M.A. Thilina Kavinda, Wayamba University of Sri Lanka, Sri Lanka.
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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/133383>

Development of an Intelligent Model for Voltage Stability Assessment and Enhancement of Nigeria 330 kV System with High Penetration of Solar-Wind System
DOI: 10.9734/jerr/2025/v27i41457

Reviewers:

- (1) Ali Abdulrazzak Jasim, Alfurat Alawsat Technical University, Iraq.
- (2) S. Kamalakkannan, S.A. Engineering College (Autonomous), India.
- (3) Ogundare Ayode Benson, Lagos State University of Science and Technology (LASUSTECH), Nigeria.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/133222>

Enhanced Malware Detection in Windows Applications Using Ensemble Learning Techniques
DOI: 10.9734/jerr/2025/v27i41458

Reviewers:

- (1) Sudhanshu Sekhar Tripathy, C.V Raman Global University, India.
- (2) Enock Quansah Effah, Akenten Appiah-Menka University of Skilled Training and Entrepreneurial Development, Ghana.
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- (4) Oluwabusayo Omotosho, Bowie State University, United States of America.
- (5) Sayyada Mubeen, Muffakham Jah College Of Engineering And Technology, India.
- (6) Shaik Heena Kauser, Pace Institute Of Technology & Sciences, India.
- (7) V.S. Jeyalakshmi, Manonmaniam Sundaranar University, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/133345>

Theoretical Foundations and Advanced Applications with Digital Twins in Various Contexts

DOI: 10.9734/jerrl/2025/v27i41459

Reviewers:

- (1) Veronica Guerrero Hernandez, Tecnologico Nacional de Mexico/Instituto Tecnologico Superior de San Andres Tuxtla, Mexico.
- (2) Pankaj Kumar Dubey, Kamla Nehru Institute of Technology Sultanpur Uttar Pradesh India, India.
- (3) Saif Ali Kadhim, University of Technology- Iraq, Iraq.

Additional Reviewers:

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- (2) Chen Qiuying, Chonnam National University, South Korea.
- (3) Pankaj Balasaheb Gavali, Rajarambapu Institute of Technology, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/133203>

Physical Planning Administration and Policy in Awka Capital Territory, Anambra State, Nigeria: Liveability of the Environment and Avert Potential Future Disasters

DOI: 10.9734/jerrl/2025/v27i41460

Reviewers:

- (1) Iddrisu Kasim, Kumasi Technical University, Ghana.
- (2) Mueletshedzi Helen Phosho, University of Johannesburg, South Africa.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/125538>

Examining the Application of Coating Methodologies and Surface Analysis Post- machining Low Carbon Steel

DOI: 10.9734/jerrl/2025/v27i41461

Reviewers:

- (1) Jesus Rafael Gonzalez Parra, Instituto de Fisica, Mexico.
- (2) R. Yokeswaran, K. Ramakrishnan College of Technology, India.

Additional Reviewers:

- (1) Juri Saedon, Universiti Teknologi MARA, Malaysia.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/133596>

Stability Study of Wind Turbine Tower Cranes

DOI: 10.9734/jerrl/2025/v27i41462

Reviewers:

- (1) Benrabah DJAIDIR, University of Djelfa, Algeria.
- (2) Reffas Omar, University of Constantine 1, Algeria.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/133745>

Predictive Cybersecurity Risk Modeling in Healthcare by Leveraging AI and Machine Learning for Proactive Threat Detection.

DOI: 10.9734/jerrl/2025/v27i41463

Reviewers:

- (1) Tosin Clement, University of Louisville, United States.
- (2) B.V. Ramakrishna, Vignan Institute of Technology and Science, India.
- (3) Vidhya G, Annamalai University, India.

Additional Reviewers:

- (1) Darlington Ekechukwu, University of East London, United Kingdom.
- (2) Ibrahim Ahmad Isah, Federal University Dutse, Nigeria.
- (3) Nikhil Dhiman, California State University, United States of America.
- (4) S. DeepaLakshmi, Dwaraka Doss Goverdhan Doss Vaishnav College, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/133777>

Development and Performance Evaluation of a Mobile Solar-powered Cooling System for Post-harvest Preservation of Oranges

DOI: 10.9734/jerrl/2025/v27i41464

Reviewers:

- (1) Mohit Kumar, Conestoga College, Canada.
- (2) Data Ram Saini, Institute of Agricultural Sciences, Banaras Hindu University, India.

Additional Reviewers:

- (1) Emmanuel Kwaku Asamani, Sunyani Technical University, Ghana.
- (2) Neelima Singh, National Institute Of Technology, Raipur, India.
- (3) Taiwo Oluwatoyin Ajao, Nigerian Stored Products Research Institute, Nigeria.
- (4) Tigabu Mekonnen Belay, Addis Ababa Science and Technology University, Ethiopia.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/133628>

Design and Simulation of Automatic Cartoning Machine
DOI: 10.9734/Jerrl/2025/v27i41465

Reviewers:

- (1) Godson Chijioke Akaninwor, Rivers State University, Nigeria.
- (2) Prithwiraj Jana, West Bengal University Of Technology, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/133229>

Quantum-Resistant Blockchain Architectures for Securing Financial Data Governance against Next-Generation Cyber Threats
DOI: 10.9734/Jerrl/2025/v27i41466

Reviewers:

- (1) Rajasekaran S, University of Technology and Applied Sciences- Ibri, Sultanate of Oman.
- (2) Joseph Aaron Tsapa, USA.
- (3) Anil Kumar Bayya, USA.

Additional Reviewers:

- (1) Pavan Nutalapati, USA.
 - (2) Kunal Meher, Atlas SkillTech University, India.
- Anil Kumar Bayya, USA.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/133776>

EC-MAP: A Lightweight Elliptic Curve-based Mutual Authentication Protocol for Secure IoT-Cloud Communication
DOI: 10.9734/Jerrl/2025/v27i41467

Reviewers:

- (1) Runa Chatterjee, Netaji Subhash Engineering College, India.
- (2) Vinod Veeramachaneni, Colorado Technical University, USA.

Additional Reviewers:

- (1) Basavaraj Patil, Dayananda Sagar College of Engineering, India.
- (2) Vineeta Shrivastava, Lakshmi Narain College of Technology, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/134036>

Computational Analysis and Optimization of a Crab-Type MEMS Accelerometer for Wide-Range Acceleration Sensing
DOI: 10.9734/Jerrl/2025/v27i41468

Reviewers:

- (1) G Srihari, KSRM College of Engineering, India.
- (2) S. Meenatchi Sundaram, Manipal Academy of Higher Education, India.
- (3) K. Evangili Supriya, Srinivasa Ramanujan Institute of Technology, India.

Additional Reviewers:

- (1) Vu Van The, Le Quy Don Technical University, Vietnam.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/133854>

Cybersecurity Risk Stratification Framework Using Multilevel Clustering: An Automated Threat Attribution and Categorization Approach for Cross-industry Cybersecurity
DOI: 10.9734/Jerrl/2025/v27i41469

Reviewers:

- (1) Tanzina Sultana, University of the Cumberlands, Bangladesh.
- (2) Seun Adeoye, University of the People, United States of America.
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- (7) Mohammad Amir Hossain, Bangladesh.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/134117>

A Systematic Review of AI-Powered Software Testing in Healthcare: Methodologies, Challenges, and Future Directions
DOI: 10.9734/Jerrl/2025/v27i41470

Reviewers:

- (1) Mehmood Ali Mohammed, University of the Cumberlands, USA.
- (2) Lakshmi Priya Bachina, India.
- (3) Gift Adene, Akanu Ibiam Federal Polytechnic, Nigeria.

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- (3) Neeta Nathani, Gyan Ganga Institute of Technology and Sciences, Jabalpur, India.
- (4) Shaista Ashraf Farooqi, Bahria University Karachi, Pakistan, And Asia e University Malaysia, Malaysia.
- (5) S. P. Santhoshkumar, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, India.
- (6) Vemuri Veena Prasad, NKES College of Arts Commerce and Science, Mumbai University, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/132810>

Data-driven Insights Machine Learning Approaches for Netflix Content Analysis and Visualization
DOI: 10.9734/jerrl/2025/v27i41471

Reviewers:

- (1) Virendra Kumar Tiwari, Lakshmi Narain College of Technology (MCA), India.
- (2) Praveen Kumar Myakala, USA.
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Additional Reviewers:

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- (2) M Trupthi, Anurag University, India.
- (3) Sama Salam Samaan, University of Technology, Iraq.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/133843>

Design, Simulation and Analysis of a 3 MW Grid-connected Solar PV System in Nigeria Using Matlab/Simulink
DOI: 10.9734/jerrl/2025/v27i41472

Reviewers:

- (1) Riaz K. Israni, R K University, India.
- (2) Monaem Elmnifi, Bright Star University, Libya.

Additional Reviewers:

- (1) Fadhil Mahmood Olewi, University of Technology, Iraq.
- (2) Mohammad Parhamfar, Iran.
- (3) Noureddine Ech-Cherki, Chouaib Doukkali University, Morocco.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/133164>

Framework for Deep Learning Integration in Energy Grid Optimization to Enhance Efficiency and Reliability
DOI: 10.9734/jerrl/2025/v27i41473

Reviewers:

- (1) Nada M. Sallam, Nile Higher Institute For Engineering And Technology, Egypt.
- (2) Harpreet Kaur Channi, Chandigarh University, India.
- (3) Jesse Nyokabi, Kenya.

Additional Reviewers:

- (1) Rokibul Hasan, Gannon University, Usa.
- (2) Puja Gupta, Shri G.S. Institute of Technology & Science, India.
- (3) K.V.B. Saraswathi Devi, Bhavans sainikpuri Osmania University, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/130445>

Key Factors Influencing Productivity in the Construction Sector: A Case Study of Awka, Anambra State, Nigeria
DOI: 10.9734/jerrl/2025/v27i41474

Reviewers:

- (1) Om Prakash Giri, Pokhara University, Nepal.
- (2) Mushiur Rahman, Bangladesh Army University of Science and Technology, Bangladesh.

Additional Reviewers:

- (1) Bruno, University of Johannesburg, South Africa.
- (2) Fakhira Khudzari, Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), Malaysia.
- (3) Saidu Minin Mohammed, Ahmadu Bello University, Nigeria.
- (4) Stephen Mwangangi Nathan, Metropolitan University, Kenya.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/131783>

Development and Evaluation of Wearable Smart Gloves for Real-time Sign Language Translation
DOI: 10.9734/jerrl/2025/v27i41475

Reviewers:

- (1) Ali Hashemi, Iran.
- (2) Dhanashri Wategaonkar, MITWPU, India.
- (3) Ahmed Saeed Ibrahim Al-Obaidi, Northern Technical University, Iraq.

Additional Reviewers:

- (1) Tamar Makharoblidze, Ilia State University, Georgia.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/133108>

The Effect of Polymers on Permeability During Polymer Flooding
DOI: 10.9734/jerrl/2025/v27i41476

Reviewers:

- (1) Muhammad Kashif, GC University Faisalabad, Pakistan.
- (2) Borkha Mech, Dibrugarh University, India.

Additional Reviewers:

- (1) Sudad H Al-Obaidi, Mining University, Russia Federation.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/133271>

Integrating Digital Twin Technology in Energy Management: A Review of Smart Building Solutions
DOI: 10.9734/jerrl/2025/v27i41477

Reviewers:

- (1) Abhiram Reddy Anireddy, United States of America.
- (2) Arkar Htet, Mullion Façade Engineering School, Myanmar.

Additional Reviewers:

- (1) Kenneth Besigomwe, Uganda Management Institute, Uganda.
- (2) Mohamed H. Shaban, Homs University, Al-Baath University previously, Syria.
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- (4) Satpal, Deenbandhu Chhotu Ram University of Science and Technology, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/131501>

A Comparison of Lean Logistics vs Traditional Logistics is Warranted

DOI: 10.9734/jerrl/2025/v27i41478

Reviewers:

- (1) Nidhi Yadav, NIT Kurukshetra, India.
- (2) M John Basha, Jain (Deemed-to-be University), India.

Additional Reviewers:

- (1) Aasif Wassan, Mehran University of Engineering and Technology, Pakistan.
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- (3) Osarensa Dorothy Iguodala, United States of America.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/134525>

Effect of Dirt on Solar Photovoltaic Cell Performance in Umuseti, Kwale, Delta State, Nigeria

DOI: 10.9734/jerrl/2025/v27i41479

Reviewers:

- (1) Mehran Hosseinzadeh Dizaj, Islamic Azad University, Iran.
- (2) Augustine Olugbenga Folorunso, Bells University of Technology / The Nigerian Society of Engineers, Nigeria.

Additional Reviewers:

- (1) Ahmad Umar, Najran University, Kingdom of Saudi Arabia.
- (2) Samhar Saeed Shukir, Middle technical university, Iraq.
- (3) Zouhour RHAIM, National Engineering School of Monastir, Tunisia.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/134678>

Effectiveness of Water Alternating Gas Injection (WAG) for Oil Recovery in the Niger Delta

DOI: 10.9734/jerrl/2025/v27i41480

Reviewers:

- (1) Walid Rezig, University of Sciences and Technology of Oran Mohamed Boudiaf USTO-MB, Algeria.
- (2) Nurbatyr Mukhametgazy, Institute of Polymer Materials and Technology, Kazakhstan.

Additional Reviewers:

- (1) Lotif Gazi, Dhaka University of Engineering & Technology, Bangladesh.
- (2) Mohammed A Samba, Sebha University, Libya.
- (3) Salufu Samuel Obomheile, Ambrose Alli University, Nigeria.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/134114>

Comparative Analysis of Hybrid Machine Learning Models for Photovoltaic Energy Output Prediction: A Case Study from Nigeria's South-South Region

DOI: 10.9734/jerrl/2025/v27i41481

Reviewers:

- (1) Andrianajaina Todizara, University of Antsiranana, Madagascar.
- (2) Aissa Meflah, Algeria.

Additional Reviewers:

- (1) Muktevi Srivenkatesh, GITAM Deemed to be University, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/134621>

Powering the Future: A Global Analysis of Well-to-Wheel Efficiency in Electric Vehicles

DOI: 10.9734/jerrl/2025/v27i41482

Reviewers:

- (1) Arunkumar Jayakumar, St. Peters Institute of Higher Education and Research, India.
- (2) Niraj Mishra, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/134820>

Internet of Things in Petroleum: A Review of Benefits and Challenges

DOI: 10.9734/jerrl/2025/v27i41483

Reviewers:

- (1) KBVSR Subrahmanyam, D.N.R. College of Engineering & Technology, India.
- (2) Meena Chavan, Bharati Vidyapeeth (Deemed to be University) College of Engineering, India.
- (3) Ifeoluwa David Solomon, Centre for Emerging Skills and Technology, Nigeria.
- (4) Ramesh G, Vaagdevi Engineering College, India.

Additional Reviewers:

- (1) Ifeoluwa David Solomon, Nigeria.
- (2) Jayakrishnan A R, Bharathiar University, India.
- (3) Meena Chavan, Bharati Vidyapeeth (Deemed to be University) College of Engineering, India.
- (4) Ramesh G, Vaagdevi Engineering College, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/131564>

The Influence of Biomass Power Plant Ash on the Mechanical Properties of Recycled Aggregate Concrete: A Review
DOI: 10.9734/jerr/2025/v27i41484

Reviewers:

- (1) Siddharth Pastariya, Sri Aurobindo Institute of Technology, India.
- (2) Jighigh Eric Annune, Nigerian Building and Road Research Institute (NBRRRI), Nigeria.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/134962>

A Systematic Literature Review of Smart Power Monitoring and Controlling Systems for Smart Homes
DOI: 10.9734/jerr/2025/v27i41486

Reviewers:

- (1) Kaushalya Vaibhav Thopate, Savitribai Phule Pune University, India.
- (2) Ammar Ali Sahrab, University of Mustansiriyah, Iraq.
- (3) Samuel Twum, Lovely Professional University, India.

Additional Reviewers:

- (1) Mohamed Ali Mohamed El Sayed Torad, Egypt.
- (2) Noor R. Abd AL-Nabi, Al-Nahrain University, Iraq.
- (3) Pankaj Kumar Dubey, Kamla Nehru Institute of Technology, India.
- (4) Ryan C. Fontanilla, Medical Colleges of Northern Philippines and International School of Asia and The Pacific, Philippines.
- (5) Zahraa Mohammed Baqir, University of Thi-Qar, Iraq.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/134702>

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Design of an Ultrasonic-Based Brake Pad Wear Detection System for Automotive Applications
DOI: 10.9734/jerr/2025/v27i51487

Reviewers:

- (1) Maznah Binti Iliyas Ahmad, Politeknik Sultan Azlan Shah, Malaysia.
- (2) Naveen Kumar, Sanjivani College of Engineering, India.

Additional Reviewers:

- (1) Begna Asirat Negash, FDRE TVTI (Ethiopian Technical University), Ethiopia.
- (2) Roberto P.L. Caporali, Italy.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/133380>

Telescopic Conveyor System: A Review on Design, Development and Optimization
DOI: 10.9734/jerr/2025/v27i51488

Reviewers:

- (1) Ashish Kumar Thakur, Mekelle University, Ethiopia.
- (2) Sameer Jain, NICMAR University Pune, India.
- (3) Tejesh Reddy Singasani, University of Cumberlands, USA.

Additional Reviewers:

- (1) Dereje Geleta Oljira, Wallaga University, Ethiopia.
- (2) Milos Milovancevic, University of Nis, Serbia.
- (3) Navodika Karunaratna, Sri Lanka Institute of Information Technology, Sri Lanka.
- (4) V. Narasimharaj, Sri Krishna College of Engineering and Technology, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/134692>

AI-Powered Interview Preparation System: Integrating Resume Analysis, HR Simulation, and Technical Skill Assessment
DOI: 10.9734/jerr/2025/v27i51489

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Assessment of Design and Implementation of a Smart Wearable Safety Jacket
DOI: 10.9734/jerr/2025/v27i51490

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Evaluation of Rheological and Tribological Properties of African Pear Oil (Atile) As an Eco-friendly Alternative to Conventional Lubricants for Grass-cutting Machines
DOI: 10.9734/jerr/2025/v27i51491

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Engineering Ghana's Future: The Impact of Emerging Technologies and Digital Transformation

DOI: 10.9734/jerr/2025/v27i51492

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A Survey of IoT-Based Smart Helmet Technologies for Motorcycle Rider's Safety

DOI: 10.9734/jerr/2025/v27i51493

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Dynamic Routing Resilience in MANETs: A Bio-Inspired SORA Framework with Ant Colony-driven Security and Scalability

DOI: 10.9734/jerr/2025/v27i51495

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Compressive Behaviour of Tyre Fibre in Light Weight Concrete using Higher Grade of Cement

DOI: 10.9734/jerr/2025/v27i51496

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Review of Intelligent Inspection Technologies for Road Bridges: Current Advances and Applications

DOI: 10.9734/jerr/2025/v27i51497

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AI- Driven Risk Assessment for Enhancing Third Party Vendor Security in Healthcare Systems

DOI: 10.9734/jerr/2025/v27i51498

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Comparative Evaluation of Intelligent Agent Based Improved Control Designs of Electro-pneumatic Clutch Actuation System for Heavy Duty Vehicles

DOI: 10.9734/jerr/2025/v27i51499

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Enhancing Data Security in Artificial Intelligence Systems: A Cybersecurity and Information Governance Approach
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Mitigating Cybersecurity Risks in Financial Institutions through Strategic Third- Party Risk Governance Frameworks
DOI: 10.9734/jerrl/2025/v27i51501

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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/135868>

Leveraging Generative AI and Behavioral Biometrics to Strengthen Zero Trust Cybersecurity Architectures in Healthcare Systems
DOI: 10.9734/jerrl/2025/v27i51502

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Design and Development of a Castor Seed Shelling and Separation Machine with Finite Element Analysis of the Shelling Drum
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Modeling and Measuring the Cyber Resilience of Critical Healthcare Infrastructure against Ransomware: A Cyber-Physical Systems Risk Perspective
DOI: 10.9734/jerrl/2025/v27i51504

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Empirical Optimization of Combined Effects on Moisture Resistance of Hydrated Lime-Modified Densely Graded Asphalt Concrete under Medium Traffic: A Central Composite Design Approach
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DOI: 10.9734/jerr/2025/v27i51509

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DOI: 10.9734/jerr/2025/v27i51510

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The Effect of Altitude, Wind Speed and Vehicle Speed on Power Generation by Vehicle-mounted Wind Turbine
DOI: 10.9734/jerr/2025/v27i51511

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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/136116>

DSP Implemented One Cycle Control for Duty Cycle Optimization in Wide Input Voltage Range Boost Converters
DOI: 10.9734/jerr/2025/v27i51512

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Advanced Wastewater Treatment Technologies in Addressing Future Water Scarcity through Resource Recovery and Reuse
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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/136569>

Assessing the Resilience of Palm-Kernel-Based Concrete to Sodium Chloride and Sulphuric Acid Attack
DOI: 10.9734/jerr/2025/v27i51514

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Statistical Model of Generating Electricity Using Municipal Solid Waste (MSW)
DOI: 10.9734/jerr/2025/v27i51515

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AI-Powered Based Real Time Earthquake Early Warning System Using Deep Learning
DOI: 10.9734/jerr/2025/v27i51516

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Formulation and Performance Evaluation of Sustainable Bio-hydraulic Fluid from Spent Palm Kernel Oil Glycerin and Anacardium occidentale Leaf Extract as a Corrosion Inhibitor
DOI: 10.9734/jerr/2025/v27i51517

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Experimental Evaluation and RSM Optimization of Bio-Grease from Cottonseed Oil Using Sodium Hydroxide and Bio-Based Additives
DOI: 10.9734/jerr/2025/v27i51518

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DOI: 10.9734/jerr/2025/v27i51519

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Responsible AI for Cybersecurity: Assessing the Barriers, Biases and Governance Gaps in Implementation with E-commerce Systems
DOI: 10.9734/jerr/2025/v27i51520

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Synergistic Effects of Silica Fume and Recycled Aggregate in M30 Concrete
DOI: 10.9734/jerr/2025/v27i51521

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Modeling Hierarchical Systems in Graph Signal Processing, Electric Circuits, and Bond Graphs Via Hypergraphs and Superhypergraphs
DOI: 10.9734/jerr/2025/v27i51522

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A Multiscale Approach to Cyber-Mechanical Threat Modeling for Predicting and Preventing Failures in Critical Energy Infrastructure
DOI: 10.9734/jerr/2025/v27i61523

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A Differential Privacy-Preserving Framework for Secure Cloud-Based Medical Information Systems
DOI: 10.9734/jerr/2025/v27i61525

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An Optimized Deep Wavelet Autoencoder System for Detecting Tumors in Brain
DOI: 10.9734/jerr/2025/v27i61526

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Integrating Spatial Tsunami Risk Analysis and Community Preparedness in Tambakrejo Village, Indonesia
DOI: 10.9734/jerr/2025/v27i61527

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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/136754>

Federated Detection Systems for Insider Threats in Energy Facilities Using Biomechanical Access Control and AI-Based Cybersecurity
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Intelligent Fault Diagnosis in 330 kV Power Networks Using SVM and ANN Techniques: Case of the Onitsha-New Haven Route
DOI: 10.9734/jerrl/2025/v27i61530**Reviewers:**

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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/137206>

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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/136407>

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Advancements in Fluid Rheology for Improved Control in Complex Deepwater Geologies
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Parametric Study of Drone-based Gas Pollution Monitoring System Integrating Internet of Things Technology

DOI: 10.9734/jerr/2025/v27i61535

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Multi-agent System Optimal Expansion Planning for Management of Renewable Distributed Generations

DOI: 10.9734/jerr/2025/v27i61536

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Smart Real-Time Electricity Monitoring and Remote Control System in Smart Homes

DOI: 10.9734/jerr/2025/v27i61537

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Numerical Investigation of MHD Nanofluid Flow over an Exponentially Stretching Porous Sheet with Activation Energy, Chemical Reaction, and Non-Uniform Heat Source

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An Experimental Study on the Effect of Foamed Concrete Bulk Density on its Thermal and Mechanical Properties

DOI: 10.9734/jerr/2025/v27i61540

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Design and Implementation of Battery-Operated Brush Cutter with Improved DC Motor Control System
DOI: 10.9734/jerr/2025/v27i61542

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AI-Enhanced Visual Guiding System Using Chat GPT for the Visually Impaired
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Reinforcement Learning-assisted Voltage Stability Analysis of the Nigerian Power Grid Using Dynamic Voltage Restorer (DVR) and Battery Energy Storage System (BESS)
DOI: 10.9734/jerr/2025/v27i61545

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Impact of Tipping Paper Permeability on Cooling Agent Delivery Efficiency Using a Cell Membrane Simulation
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High-Speed Rail in Nigeria: Operational Barriers, Strategic Pathways, and Economic Potential
DOI: 10.9734/jerr/2025/v27i61547

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Secure and Resilient Industrial IoT Architectures for Smart Manufacturing: A Comprehensive Review
DOI: 10.9734/jerr/2025/v27i61548

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A Review of the Research on the Mechanical Properties of Ultrafine Fly Ash Recycled Concrete

DOI: 10.9734/jerr/2025/v27i61549

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The Development of a Groundnut Oil Expeller's Kneader

DOI: 10.9734/jerr/2025/v27i61550

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Advancements in Mercury Intrusion Porosimetry for Pore Structure Analysis of Cement-based Materials

DOI: 10.9734/jerr/2025/v27i61551

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Development of Nigeria's Electric Power Sector: Towards the Attainment of Sustainable Development Goals

DOI: 10.9734/jerr/2025/v27i61552

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Research Status of Mechanical Properties and Frost Resistance of Fly Ash Concrete

DOI: 10.9734/jerr/2025/v27i61553

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DOI: 10.9734/jerr/2025/v27i61554

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DOI: 10.9734/jerr/2025/v27i61555

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Exploring the Engine Performance Potentials of Cotton (*Gossypium* sp) Seed Oil-AMAs Blends for Sustainable Lubricants Development
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Evaluating the Elastic Modulus of Concrete Modified with Coconut Shell Ash
DOI: 10.9734/jerrl/2025/v27i61557

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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/138052>

A Multi-dimensional AI Framework for Sustainable Drinking Water Management: Integrating Federated Learning, Digital Twins, and Blockchain
DOI: 10.9734/jerrl/2025/v27i61558

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Self-oscillation Characterization of Planar Steel Gates Based on Fluid-solid Coupling
DOI: 10.9734/jerrl/2025/v27i61559

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Stability Analyses of Rock Slopes and Improvement Solutions: A Case of Muğla Bakıcak, Turkey
DOI: 10.9734/jerrl/2025/v27i71560

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- (2) Chintan Morsiya, L. J. Institute of Engineering and Technology, India.

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Characterization of Wind Energy Potential in Ladeba, Lagos State, Nigeria
DOI: 10.9734/jerrl/2025/v27i71561

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Treatment of Effluent Water from Futo Hostel Using Carica papaya (Pawpaw) Seeds as Coagulant
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DOI: 10.9734/jerrl/2025/v27i71563

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DOI: 10.9734/jerrl/2025/v27i71564

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DOI: 10.9734/jerrl/2025/v27i71566

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Techno-Economic Evaluation of an Optimized Grid-connected Solar Photo-voltaic System for National Museum of Unity, Ibadan, Nigeria

DOI: 10.9734/jerrl/2025/v27i71572

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A Multi-Algorithmic Approach to Stroke Risk Prediction Using Machine Learning

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Comparative Analysis of the Moisture Content and Density on Bending Strength of Azadirachta indica and Siamea senna in Steam Cold Method

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Optimising Durability Performance of Dehydroxylated Kaolin Geopolymer Concrete Using Central Composite Design

DOI: 10.9734/jerrl/2025/v27i71576

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DOI: 10.9734/jerrl/2025/v27i71577

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Molecular Dynamics Study of Interfacial Behavior between Crude Oil and Injected CO₂ in a Niger Delta Reservoir
DOI: 10.9734/jerr/2025/v27i71578

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Factors Affecting Passenger Satisfaction on the Depok-Bkn Transjakarta Bus
DOI: 10.9734/jerr/2025/v27i71579

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A Biometric Voting Solution: Integrating Face Recognition with Embedded Systems for Secure Offline Elections
DOI: 10.9734/jerr/2025/v27i71580

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Calculation and Analysis of Circulating Currents in the Metal Sheath of XLPE Cables under Cross-bonded Interconnection
DOI: 10.9734/jerr/2025/v27i71581

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Research Progress on Bipolar Plate Coating for Automotive Fuel Cells
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Cost Estimation and Analysis for Better Project Budgeting
DOI: 10.9734/jerr/2025/v27i71583

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Artificial Intelligence-powered Carbon Market Intelligence and Blockchain-enabled Governance for Climate-responsive Urban Infrastructure in the Global South
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Comparative Flexural Performance of HSC and NSC One-Way Slabs Reinforced with GFRP and Steel Bars under Three-Point Loading
DOI: 10.9734/jerrl/2025/v27i71587

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- (3) Damini Righteous Gilbert, Federal University Otuoke Bayelsa State, Nigeria.

Additional Reviewers:

- (1) Atlaoui Djamal, University Mouloud Mammeri of Tizi-Ouzou, Algeria.
- (2) Olu-Martins Oluwaseun Adeola, Federal University Of Technology Akure, Nigeria.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/140446>

Design and Micro Mechanical Modeling of Bio-fibre Reinforced Polymer Composites for Creep Resistant Piping Application
DOI: 10.9734/jerrl/2025/v27i71588

Reviewers:

- (1) Muhammed GÜR, Fırat University, Turkey.
- (2) A. Arun Negemiya, SNS College of Technology, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/140243>

Development of Artificial Intelligence-driven Security Drone System
DOI: 10.9734/jerrl/2025/v27i71589

Reviewers:

- (1) Mohamed El Hadraoui, The Mohammadia School of Engineers, Morocco.
- (2) Pankaj Dadheech, Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), India.

Additional Reviewers:

- (1) Kousika N, Sri Krishna College of Engineering and Technology, India.
- (2) Lalu P. George, SCMS School of Technology and Management, India.
- (3) Misbah Ali, COMSATS University Islamabad, Pakistan.
- (4) Neelima Priyanka Nutulapati, PSCMRCE, India.
- (5) Suvarna Pansambal, Atharva College of Engineering, University of Mumbai, India.
- (6) Yijie Weng, Robert H. Smith School of Business, University of Maryland, College Park Maryland, United States.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/141408>

Global Trends in Coastal Protection Building Types at Oil and Gas Logistics Ports: A Bibliometric Analysis Using Visualization of Similarities Viewer (VOSviewer)
DOI: 10.9734/jerrl/2025/v27i71590

Reviewers:

- (1) Otuonuyo George Arerosuoghene, Caleb University, Nigeria
- (2) A. Kanni Raj, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology (deemed to be University, recognised as Category-I university by Government of India), India.

Additional Reviewers:

- (1) Ludgardis Ledheng, Timor University, Indonesia.
- (2) Sherihan Al Shahed, Arab Academy for Science & Technology, Egypt.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/141412>

2025 - Volume 27 [Issue 8]

Recent Developments in Carbon-supported Fe–N–C Catalysts for ORR in Fuel Cells: A Review
DOI: 10.9734/jerrl/2025/v27i81591

Reviewers:

- (1) Rajesh Vansadiya, Children's Research University, India.
- (2) Mohammad Fikrey Bin Roslan, Universiti Tun Hussein Onn Malaysia, Malaysia.
- (3) Siti Hasanah Osman, Institute Sel Feul, Universiti Kebangsaan Malaysia, Malaysia.

Additional Reviewers:

- (1) Truong Van Men, Tra Vinh University, Vietnam.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/141444>

Mathematical Modeling of Mass and Heat Transfer in a Dehumidifying Plastic Dryer
DOI: 10.9734/jerrl/2025/v27i81592

Reviewers:

- (1) A. Senthilrajan, Mohamed Satahk Polytechnic College, India.
- (2) Nataliia Sorokova, Educational and Scientific Institute of Atomic and Thermal Energy of the National technical university of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine.

Additional Reviewers:

- (1) Ahmad Khaloahmadi, Iran.
- (2) Fakhar Abbas, Bahauddin Zakariya University, Pakistan.
- (3) Kshevetsky Oleg, Ukraine.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/140958>

Comparative Batch Adsorption Study of Crude Oil Removal from Simulated Oil Spill Using Quail Egg Shell and Snail Shell Biosorbents
DOI: 10.9734/jerr/2025/v27i81593**Reviewers:**

- (1) Hoo Peng Yong, Universiti Malaysia Perlis, Malaysia.
- (2) T. V. Nagalakshmi, DVR & Dr. HS MIC College of Technology, India.

Additional Reviewers:

- (1) Fasiulla, Manipal Institute of Technology, Manipal Academy of Higher Education, India.
- (2) Kamal Almokhalelati, American University RAS, UAE.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/140834>

Strategic Management of AI-Powered Cybersecurity Systems: A Systematic Review
DOI: 10.9734/jerr/2025/v27i81594**Reviewers:**

- (1) Surendra Vitla, USA.
- (2) Karthik Bojja, United States.
- (3) Tanishka Hira, Indira Gandhi Delhi Technical University for Women, India.

Additional Reviewers:

- (1) Joseph Chukwunweike, UK.
- (2) K Abdul Rasak, M E S College Marampally, India.
- (2) Kishore Challa, USA.
- (3) Sarita Manjari Prusti, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/140665>

The Design and Performance Study of Magnetic Liquid Acceleration Sensor
DOI: 10.9734/jerr/2025/v27i81595**Reviewers:**

- (1) Pravin Sankhwar, Michigan Technological University, USA.
- (2) Azize Bhajj, Chouaib Doukkali University, Morocco.

Additional Reviewers:

- (1) Mogos Hailemikal Gebrehiwot, Aksum University, Ethiopia.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/140836>

Adsorption of COD and BOD from Slaughterhouse Wastewater Using Stabilized Solid Waste Materials
DOI: 10.9734/jerr/2025/v27i81596**Reviewers:**

- (1) Wael Adil Obaid, Al-Nahrain University, Iraq.
- (2) Yasir Al-Ani, University of Anbar, Iraq.
- (3) Adel A.M. Saeed, University of Aden, Yemen.

Additional Reviewers:

- (1) Sadia Sahi Placide, Universite Jean Lorougnon Guede Daloa, Côte D'ivoire.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/141423>

Effect of Tyre Pressure on Braking Distance of Tubeless Tyres on Asphalt Road
DOI: 10.9734/jerr/2025/v27i81597**Reviewers:**

- (1) Ziad Shakeeb Al Sarraf, Iraq.
- (2) Surjit Kumar Gandhi, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/140073>

Total Quality Management in Consulting Firms in Nigeria
DOI: 10.9734/jerr/2025/v27i81598**Reviewers:**

- (1) Sumit Kumar, Sant Longowal Institute of Engineering and Technology, India.
- (2) Abhishek R, Manipal University, India.

Additional Reviewers:

- (1) Walter dos Reis Pedreira Filho, Fundação Jorge Duprat Figueiredo de Segurança e Medicina do Trabalho, Brasil.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/141269>

Evaluating Coastal Communities' Sea Level Rise Adaptation Plans in Nigeria's Niger Delta
DOI: 10.9734/jerr/2025/v27i81599**Reviewers:**

- (1) Clementine Mukanoheri, Nelson Mandela African Institution of Science and Technology, Tanzania.
- (2) Boyeth C. Pelone, Davao del Norte State College, Philippines.

Additional Reviewers:

- (1) Mardianton, Universitas Negeri Padang, Indonesia.
- (2) Akpan, Ubong Eno, Akwa Ibom State University, Nigeria.
- (3) Ebifuro Odubo, Niger Delta University, Nigeria.
- (4) Lalramengi Fanai, Mizoram University, India.
- (5) Rahul Mahamuni, Gopinathrao Munde National Institute of Rural Development and Research, Dr. Babasaheb Ambedkar Marathwada University, India.
- (6) Samiyah Tasleem, Hamadard University, Pakistan.
- (7) Sherein El-Shahat, Nile Higher Institute for Engineering and Technology, Egypt.
- (8) Yesim Sirakaya, St. Clements University, UK.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/141360>

Artificial Intelligence-Driven Hybrid Renewable and Waste-to-Energy Systems for Climate-Resilient and Equitable Urban Infrastructure in the Global South
DOI: 10.9734/jerrl/2025/v27i81600**Reviewers:**

- (1) S Poorna Chander Rao, India.
- (2) Amara Sihem, National Engineering School of Monastir (ENIM), Tunisia

Additional Reviewers:

- (1) Atiqur Rahman, ICAR-Central Soil Salinity Research Institute, India.
- (2) Bilal Abdullah Nasir, Northern Technical University, Iraq.
- (3) C. Sagi Rani, India.
- (4) Mina Sadeghi, K.N. Toosi University of Technology, Iran.
- (5) Pratibha D. Sharma, DRPCAUI, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/141689>

A Machine Learning Framework for Predictive Maintenance in Smart Facilities Using IoT Sensor Data
DOI: 10.9734/jerrl/2025/v27i81601**Reviewers:**

- (1) V. Gokula Krishnan, Easwari Engineering College, India.
- (2) Dipak Kumar Banerjee, United States.

Additional Reviewers:

- (1) Dipak Kumar Banerjee, United States.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/141542>

Application of Regression Analysis to Explore the Relationship between Combustible Gas in Insulating Oil of Power Transformers
DOI: 10.9734/jerrl/2025/v27i81602**Reviewers:**

- (1) Omeje, Crescent Onyebuchi, Nigeria.
- (2) Cherubala Rusumba Bienvenu, South Africa.

Additional Reviewers:

- (1) B A Parate, ARDE Pune, India.
- (2) Priyesh Kumar Pandey, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/141484>

The Application of Multi-sensor Fusion Technology in Intelligent Vehicles
DOI: 10.9734/jerrl/2025/v27i81603**Reviewers:**

- (1) Mohd Shafeeq Bin Mohd Tahir, Hospital Kuala Kangsar, Malaysia.
- (2) Sangam Malla, Siksha O' Anusandhan Deemed to be University, India.

Additional Reviewers:

- (1) Abdelsalm M.A EHOEDY, Higher Institute of Science and Technology Tobruk, Libya.
- (2) Afaq Ahmad, University of Technology Nowshera, Pakistan.
- (3) Samer Attrah, HAN University of Applied Sciences, The Netherlands.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/141532>

Optimizing Obesity Prediction Models with Green AI: A Multi-Criteria Approach
DOI: 10.9734/jerrl/2025/v27i81604**Reviewers:**

- (1) Eswararao Boddepalli, NIT Meghalaya, India.
- (2) Kumudha H R, Bharathi College Post Graduate & Research Centre, India.

Additional Reviewers:

- (1) Narendra, USA.
- (2) SOLukayode Akanni, Near East University, Turkey.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/138414>

Rate of Sea Level Rise in Selected Coastal Community in the Niger Delta Region of Nigeria
DOI: 10.9734/jerrl/2025/v27i81605**Reviewers:**

- (1) Dunstan Anthony Pereira, National Hydraulic Research Institute of Malaysia (NAHRIM), Malaysia.
- (2) D. Venkat Reddy, NITK-National Institute OF Technology, India.
- (3) Kazy Mohammad Iqbal Hossain, Bangladesh University of Professionals, Bangladesh.
- (4) F. A. Samiul Islam, Uttara University, Bangladesh.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/141357>

Numerical Performance Characteristic of Embedded Convex Rigid-ring Baffle in Long Moving Vessels
DOI: 10.9734/Jerrl/2025/v27i81606

Reviewers:

- (1) Saeed Sayehvand, Bu-Ali Sina University, Iran.
- (2) Ahmed Rasheed Khlefha, University of Sumer, Iraq.

Additional Reviewers:

- (1) Nekrouf Abderrahim Sidi Mohammed, University of Sciences and Technology of Oran Mohamed Boudiaf, Algeria.
- (2) Ali Kadhim Qasim Al Sharea, Iraqi Atomic Energy Commission, Iraq.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/141413>

Bibliometric Analysis of Traffic Management in Industrial Area
DOI: 10.9734/Jerrl/2025/v27i81607

Reviewers:

- (1) Varun Varma Sangaraju, United States of America.
- (2) Gauri Vinayak Sonawane, Dr. Babasaheb Ambedkar Technological University, India.

Additional Reviewers:

- (1) Komarasamy G, VIT Bhopal University, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/141628>

Quantifying the Role of AI in Part Reduction and Assembly Optimization for Sustainable DFMA
DOI: 10.9734/Jerrl/2025/v27i81608

Reviewers:

- (1) Dodi Sofyan Arief, Indonesia.
- (2) Mark Anthony N. Polinar, Philippines.

Additional Reviewers:

- (1) Yusto Aron, Jordan University College, Tanzania.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142067>

Sawdust as Partial Replacement for Sandcrete Block Production
DOI: 10.9734/Jerrl/2025/v27i81609

Reviewers:

- (1) R.K. Saini, Shoolini University, India.
- (2) Vijay Kumar, ABES Institute of Technology, India.
- (3) Murali. N, University of Technology & Applied Sciences, Oman.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/139842>

Predictive Modeling of Assembly Time Using Machine Learning
DOI: 10.9734/Jerrl/2025/v27i81610

Reviewers:

- (1) Satyaveer Singh, MMEC, Maharishi Markandeshwar (Deemed to be University), India.
- (2) K. Nandha Kumar, Sri Venkateshwara College of Engineering & Technology (Autonomous), India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142042>

AI-Based Tolerance Optimization for Cost Reduction
DOI: 10.9734/Jerrl/2025/v27i81611

Reviewers:

- (1) Seema Devi, India.
- (2) Oluwapelumi J Adebowale, USA.

Additional Reviewers:

- (1) Behzad Ghasemi Parvin, Gazi University, Turkey.
- (2) Jabin Geevarghese George, USA.
- (3) Maryam Khokhar, Tongji University, China And Bahria Business School, Bahria University, Pakistan.
- (4) Sana Khalid Abdul Hasan, Al- Nahrain University, College of Engineering, Iraq.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142121>

Behavior of Normal and Hybrid Strength Reinforced Concrete Corbels Strengthened with Steel Plate
DOI: 10.9734/Jerrl/2025/v27i81612

Reviewers:

- (1) Shaik Subhan Alisha, Vishnu Institute of Technology (A), India.
- (2) Sajjan Sharma, Dr. B R Ambedkar National Institute of Technology, India.

Additional Reviewers:

- (1) Atlaoui Djamel, University Mouloud Mammeri of Tizi Ouzou, Algeria.
- (2) Parag. R. Chopade, Padm. Dr. V. B. Kolte College of Engineering, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142144>

Design and SolidWorks-Based Simulation of an Automated Robotic Cleaning System for Diesel Storage Tanks
DOI: 10.9734/jerrl/2025/v27i81613

Reviewers:

- (1) Najeh Alali, Al-Ayen Iraqi University, Iraq.
- (2) Abdulahi Akintayo Taiwo, University of South Carolina, USA.

Additional Reviewers:

- (1) Bhabani Prasanna Pattanaik, Hooghly Engineering & Technology College, India.
- (2) Hasan Goksel Ozdilek, Canakkale Onsekiz Mart University, Turkiye.
- (3) Mehran Hosseinzadeh Dizaj, Tehran Azad University Central Branch, Iran.
- (4) Mohayminul Islam, Rajshahi University of Engineering & Technology, Bangladesh.
- (5) P. Samuel Pakianathan, National Engineering College, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142010>

Bibliometric Analysis of Material Adaptation on House Building Construction in Coastal Areas using Vosviewer
DOI: 10.9734/jerrl/2025/v27i81614

Reviewers:

- (1) Anthony Obododike Ekwuno, South Africa.
- (2) Priyambodo Nur Ardi Nugroho, Politeknik Perkapalan Negeri Surabaya, Indonesia.

Additional Reviewers:

- (1) Monica S, St. Joseph's College for Women Alappuzha, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/141737>

Bond Characteristics of Coated Reinforcing Steel Bars with Reference to Deformation of Concrete Beams
DOI: 10.9734/jerrl/2025/v27i81615

Reviewers:

- (1) Abdessemed Mouloud, University of Blida1, Algeria.
- (2) Florante D. Poso, Polytechnic University of the Philippines, Philippines.

Additional Reviewers:

- (1) Akosubo Stevyn Iwekumo, Nigeria Maritime University, Nigeria.
- (2) Saad Ali Al-Ta'an, AlNoor University, Iraq.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/141550>

A Review of Control Strategies for Three-Axis Turntables
DOI: 10.9734/jerrl/2025/v27i81616

Reviewers:

- (1) K Sivaprasad, Godavari Institute of Engineering and Technology, India.
- (2) Mohd Farriz Basar, Universiti Teknikal Malaysia Melaka (UTeM), Malaysia.

Additional Reviewers:

- (1) Pankaj Balasaheb Gavali, Annasaheb Dange College of Engineering and Technology, India.
- (2) Umar Awal, Ladoke Akintola University of Technology Ogbomosho (LAUTECH), Nigeria.
- (3) William K G Palmer, Alumnus – University of Toronto (current work not directly affiliated with University), Canada.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142211>

Critical Cultural Factors of Construction Project -based Organisation in Nigerian Industry for Project Efficiency
DOI: 10.9734/jerrl/2025/v27i81617

Reviewers:

- (1) Basant Bhatta, Pokhara University, Nepal.
- (2) D. Suresh, India.
- (3) Ng Hock Seng, Universiti Teknologi Malaysia, Malaysia.

Additional Reviewers:

- (1) Hanna Moges Dereje, Wachemo University, Ethiopia.
- (2) Mailafiya, Benjamin Yusuf, Nigerian Building and Road Research Institute, Nigeria.
- (3) Makota Madisha, Republic of South Africa.
- (4) Suleiman Shehu, University of Maiduguri, Nigeria.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/139200>

Multi-scale Sedimentological and Structural Characterization of Triassic Siliciclastic Systems in the Tim Mersoï Basin, Northern Niger
DOI: 10.9734/jerrl/2025/v27i81618

Reviewers:

- (1) Loyola Martinez Erika, Ipicyt, Mexico.
- (2) Sai Naing Lin Aung, University of Yangon, Myanmar.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/141858>

Securing ICS Environments with AI-Enabled Classification: A Proactive Threat Detection Approach
DOI: 10.9734/jerrl/2025/v27i81619

Reviewers:

- (1) Ayokunle Akinsanya, United States.
- (2) Vinay Kumar Singh, Amity University Chhattisgarh, India.
- (3) Godwin Ededem Udo, University of Uyo, Nigeria.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142415>

Performance Evaluation of Driven Piles in Lagos, Nigeria
DOI: 10.9734/jerrl/2025/v27i81620

Reviewers:

- (1) Subhadip Nandi, Brainware University, India.
- (2) Md Rafiur Rahman, Mymensingh Engineering College, Bangladesh.
- (3) Khalek Abararahemad Abdulrazzak, Gujarat Technological University, India.

Additional Reviewers:

- (1) Seyi Rachel Dada, Tallinn University of Technology, Estonia.
- (2) Mohayminul Islam, Rajshahi University of Engineering & Technology, Bangladesh.
- (3) Widodo Brontowiyono, Universitas Islam Indonesia, Indonesia.
- (4) C. Gajendran, SNS College of Technology, India.
- (5) D.R.P. Rajarathnam, Paavai Engineering College, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142017>

2025 - Volume 27 [Issue 9]

Development of an Arduino-based Data Acquisition System for a Mid-sized Wind Tunnel
DOI: 10.9734/jerrl/2025/v27i91621

Reviewers:

- (1) Mathew Jun Pego Mariani, Kalinga State University, Philippines.
- (2) Ali H. Wheeb, University of Baghdad, Iraq.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142765> .

Simulink Modeling of Dual-Loop Speed Control for Permanent Magnet Synchronous Motors
DOI: 10.9734/jerrl/2025/v27i91622

Reviewers:

- (1) Pravin Sankhwar, India.
- (2) Salim, Kurukshetra University, India.

Additional Reviewers:

- (1) S. Selvaperumal, NPR College of Engineering and Technology (Autonomous), India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142190>

Conceptual Framework for Smart Sensor–driven Predictive Maintenance in Infrastructure Management
DOI: 10.9734/jerrl/2025/v27i91623

Reviewers:

- (1) Tejesh Reddy Singasani, University of Cumberlands, United States.
- (2) Sureshkumar Somanathan, Strayer University, USA.
- (3) Sudheer Devaraju, USA.

Additional Reviewers:

- (1) Frederick Gyaase, University of Wyoming, United States of America.
- (2) Niraj Verma, USA.
- (3) Ramya Chinnasamy, Kongu Engineering College, India.
- (4) Shubhiddip Sasmal, USA.
- (5) Nikhil Jain, USA.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142862>

Numerical Simulation of Hemodynamics Blood Flow through Single and Double Stenotic Coronary Arteries
DOI: 10.9734/jerrl/2025/v27i91624

Reviewers:

- (1) Zahraa Nasser Abdul Ghani, University of Al Mashreq, Iraq.
- (2) Prashant S. Sutkar, Science College, India.
- (3) S. Palanivel Rajan, Velammal College of Engineering and Technology, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/141961>

Dynamic Simulation of Six-Pulse Voltage Source Inverter for a Three-Phase Induction Motor
DOI: 10.9734/jerrl/2025/v27i91625

Reviewers:

- (1) Vaishali Sandeep Baste, SPPU Pune, India.
- (2) Jethose Vijayakumar, JCT College of Engineering and Technology, India.
- (3) Enas Dawood Hassan, Iraq.

Additional Reviewers:

- (1) K. Aravinda Shilpa, Andhra University, India.
- (2) K.N. Baluprithviraj, Kongu Engineering College, India.
- (3) K. S. Kavin, Government College of Engineering, Tirunelveli, India.
- (4) Samhar Saeed Shukir, Middle technical university, Iraq.
- (5) Suravi Thakur, Hooghly Engineering & Technology College (HETC), India.
- (6) Yam Krishna Poudel, Pokhara University, Nepal.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142956>

Adaptive Anti-Swing and Positioning Control of Input-Delayed Bridge Cranes Using Hybrid PSO-GWO Optimization
DOI: 10.9734/jerr/2025/v27i91626

Reviewers:

- (1) Alireza Zabihi, University of Coimbra, Portugal.
- (2) Praful Vijay Nandankar, Government College of Engineering Nagpur, India.

Additional Reviewers:

- (1) Bilal Abdullah Nasir, Northern Technical University, Iraq.
- (2) Rade Vasiljevic, Academy of Technical and Art Applied Studies in Belgrade, Serbia.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142698>

A Comprehensive Assessment of Conventional and Emerging Desalination Methods for Treating Marine Water Supplies
DOI: 10.9734/jerr/2025/v27i91627

Reviewers:

- (1) K. Arumuganainar, J.P. College of Engineering, India.
- (2) Chinyere Ogbodo, National Open University of Nigeria, Nigeria.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/143188>

Low-Cost Fabrication and Testing of a Tin-Based Perovskite Solar Cell
DOI: 10.9734/jerr/2025/v27i91628

Reviewers:

- (1) Mehran Hosseinzadeh Dizaj, Tehran Azad University Central Branch, Iran.
- (2) Ameen Alwan Mohaimeed, Directorate of Education Babylon, Iraq.

Additional Reviewers:

- (1) Lokesh Baloat, University of Rajasthan, India.
- (2) Manoj Kumar Nigam, Kalinga University, India.
- (3) Mohamed Karouchi, Sultan Moulay Slimane University, Morocco.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142871>

Assessing the Maintenance Strategy Decision: In-House Versus Contract Maintenance of Equipment in Roofing Sheet Manufacturing Companies in Kumasi, Ghana
DOI: 10.9734/jerr/2025/v27i91629

Reviewers:

- (1) Ayodele Oluwale Alejo, University of Johannesburg, South Africa.
- (2) M. K. Soundarya, Vels Institute of Science, Technology and Advanced Studies, India .

Additional Reviewers:

- (1) Ahmed Falah Hasan, University of Kufa, Iraq.
- (2) Gulle Zahra, Shaheed Benazir Bhutto University, Pakistan.
- (3) Saurabh Sinha, India.
- (4) Seifemichael Getachew, Bule Hora University, Ethiopia.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142542>

Geotechnical Characterization of Sandy Soils in the Niger Delta Using SPT-N Values
DOI: 10.9734/jerr/2025/v27i91630

Reviewers:

- (1) Yachang Omo, Central Institute of Technology Kokrajhar, India.
- (2) Roshan Shrestha, Nepal.
- (3) Zubair Saing, Universitas Muhammadiyah Maluku Utara, Indonesia.

Additional Reviewers:

- (1) Sandeep Bhardwaj, CCS Haryana Agricultural University , India.
- (2) Bakht Zamin, CECOS University of IT and Emerging Sciences, Pakistan.
- (3) Gui Yun Tian, Chongqing University of Technology, China.
- (4) I Wayan Ariyana Basoka, Universitas Warmadewa, Indonesia.
- (5) Kamalesh Kumar, Birla Institute of Technology & Science, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142870>

Design Simplification through AI-Enabled Part Clustering and Consolidation
DOI: 10.9734/jerr/2025/v27i91631

Reviewers:

- (1) Asish Kumar Akash, Rajshahi University of Engineering & Technology, Bangladesh.
- (2) Nitin Girdhar Shinde, Dr. Babasaheb Ambedkar Technological University, India.

Additional Reviewers:

- (1) Abdulgader Alsharif, Colleage Of Technical Sciences- Sabha, Libya.
- (2) A. Devendran, Woxsen University, India.
- (3) Afokhainu Segun Agbadua, National Engineering Design Development Institute (NEDDI), Nigeria.
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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142070>

Flanged Components for Design and Optimisation of Stamping Dies
DOI: 10.9734/jerrl/2025/v27i91632

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- (2) Veduru Venkatrami Reddy, Sai Spurthi Institute of Technology, India.

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Improving Infrastructure Resilience in Developing Regions: Addressing Climate Risks and Natural Disasters in Africa
DOI: 10.9734/jerrl/2025/v27i91633

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Data-Driven Identification of Stochastic Systems via ARMAX Modelling and PRBS Excitation
DOI: 10.9734/jerrl/2025/v27i91634

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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/143297>

LiDAR Technology and Its Development in Autonomous Driving
DOI: 10.9734/jerrl/2025/v27i91635

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- (1) Suwendu Mohanty, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/143362>

Improving Bridge Sustainability through Building Information Modelling: Experiences from the Bareleng Bridge Project
DOI: 10.9734/jerrl/2025/v27i91636

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- (2) Mainak Ghosal, India.

Additional Reviewers:

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Research on the Method of Magnetic Liquid Tilt Sensor
DOI: 10.9734/jerrl/2025/v27i91637

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- (2) Amit Kumar Singh, Lalit Narayan Mithila University, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142745>

A Review of Applications and Challenges Facing Use of Nanofluids
DOI: 10.9734/jerrl/2025/v27i91638

Reviewers:

- (1) Aruna J, Vellore Institute of Technology, India.
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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/143047>

Evaluation and Optimization of the Engineering Properties of LDPE Fiber-Reinforced Sandcrete Blocks Using Taguchi Method
DOI: 10.9734/jerrl/2025/v27i91639

Reviewers:

- (1) Muhammad Aslam, Wenzhou University of Technology, China.
- (2) Pritam Hait, JSPM University Pune, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/143630>

Advancing Mechanical and Electrical Installation Engineering through BIM Technology: Applications, Challenges and Future Directions
DOI: 10.9734/jerrl/2025/v27i91640

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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/143946>

Applications of Artificial Intelligence for Optimizing Sustainable Energy Systems
DOI: 10.9734/jerrl/2025/v27i91641

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Additional Reviewers:

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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/143618>

Corrosion Prediction in Steel Bridge Structures Using Artificial Neural Networks in Archipelagic Environments
DOI: 10.9734/jerrl/2025/v27i91642

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Ethical Implications and Cybersecurity Risks of Hyper-Personalized AI Feedback Systems for Mental Health Support in Home Environment
DOI: 10.9734/jerrl/2025/v27i91643

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Integration of Quantum Computing with Artificial Intelligence: A Systematic Review
DOI: 10.9734/jerrl/2025/v27i91644

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Empirical Statistical Modelling of Angle of Internal Friction using SPT-N Value, Median Grain Size (D50), and Effective Overburden Stress
DOI: 10.9734/jerr/2025/v27i91645

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Research Progress and Application of Planar Three-dimensional Force Sensor Technology
DOI: 10.9734/jerr/2025/v27i91646

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Sustainable Hydrogen Production by Co-pyrolysis of Coffee Grounds and Tea Bag Waste
DOI: 10.9734/jerr/2025/v27i91647

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Comparative Study of the Mechanical and Chemical Properties of Locally Produced Low-Carbon Steel Rebars on the Ghanaian Market
DOI: 10.9734/jerr/2025/v27i91648

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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/144350>

Optical Design and Performance Analysis of a High-Resolution Stable Stellar Simulator
DOI: 10.9734/jerr/2025/v27i91649

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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/143103>

A Comprehensive Review of Biped Robots Development, Key Technologies, Applications and Future Trends
DOI: 10.9734/jerr/2025/v27i91650

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- (1) Subhajit Pal, Indian Institute of Technology Jodhpur, India.
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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/143945>

Research on the Diagnosis of Circulating Current Faults in the Metal Sheath of Cross-linked XLPE Cables under Different Working Conditions
DOI: 10.9734/jerr/2025/v27i101651

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- (2) Bilal Abdullah Nasir, Northern Technical University, Iraq.

Additional Reviewers:

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- (2) Nadhir Ibrahim Abdulkhaleq, University Of Information Technology And Communications, Iraq.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/144336>

AI-Powered Digital Twin Platforms for Next-Generation Structural Health Monitoring: From Concept to Intelligent Decision-Making
DOI: 10.9734/jerr/2025/v27i101652

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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/142861>

AI-driven Innovations in the Indian Healthcare System: An Update (2025)
DOI: 10.9734/jerr/2025/v27i101653

Reviewers:

- (1) Nitalaksheswara Rao Kolukula, GITAM University, India.
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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/144150>

Dynamic Simulation Analysis of Wind Power Crane Multi-body System
DOI: 10.9734/jerr/2025/v27i101654

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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/143970>

Prediction of Nanofluid Specific Heat Capacity using Supervised Regression Models
DOI: 10.9734/jerr/2025/v27i101655

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- (5) S. Baskar M, Vels Institute of Science, Technology and Advanced Studies (VISTAS), India.

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Unlocking the Potential of Collaborative Digital Tools: Key Factors Influencing Their Usage among Workers in the Ghanaian Construction Industry
DOI: 10.9734/jerr/2025/v27i101656

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Bio-oil Production from Paper Waste and Paper Cups via Pyrolysis: A Sustainable Approach to Waste-to-Energy Conversion

DOI: 10.9734/jerr/2025/v27i101657

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Grid Integration of Renewable Energy for Reliable and Efficient Power Supply in Nigeria

DOI: 10.9734/jerr/2025/v27i101658

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Research on the Principle and Application of Vortex-Induced Vibration Control Based on Nonlinear Energy Sink

DOI: 10.9734/jerr/2025/v27i101659

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Modelling of a Steady Micropolar Nanofluid Flow along a Wedge

DOI: 10.9734/jerr/2025/v27i101660

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RV Reducer Key Component Dynamic Simulation and Stress Analysis

DOI: 10.9734/jerr/2025/v27i101661

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Characteristics and Control of Nonlinear Flutter in Extra-Large-Span Bridges

DOI: 10.9734/jerr/2025/v27i101662

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Enhancing Soil Stability: Evaluating the Effectiveness of Terrasil Nanotechnology in Soil Stabilization

DOI: 10.9734/jerr/2025/v27i101663

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- (1) Mohammad Mehdi Pardoushie, Islamic Azad University of Estahban, Iran.
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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/144701>

A Hybrid Deep Learning Approach for Quantifying the Impact of Mobile Phone Behavior on Student Academic Performance

DOI: 10.9734/jerr/2025/v27i101664

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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145256>

The Potential of Hydrogen Gas in Gas Lifting Oil Well

DOI: 10.9734/jerr/2025/v27i101665

Reviewers:

- (1) Rohitkumar G. Singh, Thakur College of Engineering & Technology, India.
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- (3) Omprakash Sahu, Sambalpur University, India.
- (4) Sangay Wangchuk, Bhutan.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/144224>

Data-Driven Predictive Control Strategy for Rapid Thermal Processing Systems

DOI: 10.9734/jerr/2025/v27i101666

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- (1) Abdalhadi Manassra, Bursa Teknik University BTU, Palestine.
- (2) Ashwini Kumar, Arka Jain University, India.

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Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/144998>

Experimental and Numerical Study on Seismic Behavior of High-strength Concrete Shear Walls Confined by High-Strength Spiral Stirrups

DOI: 10.9734/jerr/2025/v27i101667

Reviewers:

- (1) Sumeet Mahajan, India.
- (2) Hamdy Elgohary, Mansoura University, Egypt.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/144671>

Research Progress on Preparation and Mechanical Properties of Recycled Concrete

DOI: 10.9734/jerr/2025/v27i101668

Reviewers:

- (1) Nwzad Abduljabar Abdulla, University of Salaheddin, Erbil, Iraq.
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- (2) Theerthananda M P, Government Engineering College, Chamarajanagar, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/144949>

Assessing Compliance with Nepal's Building Code and Bylaws: Insights from Residential Construction in Godawari Municipality

DOI: 10.9734/jerr/2025/v27i101669

Reviewers:

- (1) Saidu Minin Mohammed, Ahmadu Bello University, Nigeria.
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- (1) Amina Mohamed Saleh, Egyptian Petroleum Research Institute (EPRI), Egypt.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/144606>

Enhancing Concrete Performance through Recycling and Modification of Waste Rubber: A Comprehensive Review
DOI: 10.9734/jerr/2025/v27i101670

Reviewers:

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- (2) Khalid Awadh Mohammed, Anbar university, Iraq.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145449>

Deep Learning Framework for Accurate Detection of Liver Steatosis
DOI: 10.9734/jerr/2025/v27i101671

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- (1) S. Dilip Kumar, NGM College, India.
- (2) Aswathy Mohan, Noorul Islam Centre for Higher Education, India.
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- (4) Teja Krishna Kota, New England College, USA.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145258>

An Auxiliary Judgment Method with Multiple Regression Analysis
DOI: 10.9734/jerr/2025/v27i101672

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- (4) Shweta Rawat, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145389>

A Review on Fretting Wear in Aluminium Composites and Its Mitigation through Surface Engineering
DOI: 10.9734/jerr/2025/v27i101673

Reviewers:

- (1) Chintan Morsiya, L. J. Institute of Engineering and Technology, India.
- (2) Krishnaraddi Gangal, Visvesvaraya Technological University, India.

Additional Reviewers:

- (1) A. Ananthi, J. J College of Engineering and Technology, India.
- (2) Abaidi Ismail, Algeria.
- (3) Abba Alfanda, Kano State Polytechnic, Nigeria.
- (4) Begna Asirat Negash, FDRE TVTI (Ethiopian Technical University), Ethiopia.
- (5) Chandra Prakash Singh, A K S University, India.
- (6) Guillermo Bracamonte, National University of Cordoba (UNC), Argentina.
- (7) Mayasa I.Ali, University of Baghdad, Iraq.
- (8) Mundher Abd Ul Zahra Dookhi, College of Technical, Imam Ja'afar Al-Sadiq University, Baghdad, Iraq.
- (9) Natarajan Ramadoss, Thiruvalluvar College of Engineering and Technology, Affiliated to Anna University, India.
- (10) Puneet Kumar Sonker, National Institute of Technology Nagaland, India.
- (11) Venkateswara Rao, Vignana Bharathi Institute of Technology, India.
- (12) Seema Vajjanath Yerigeri, M. B. E. Society's College of Engineering, India.
- (13) Sunita K. Srivastava, PES University (completed PhD), India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145464>

A Review of Lidar-Based SLAM Techniques for Open-Pit Coal Mine Environments
DOI: 10.9734/jerr/2025/v27i101674

Reviewers:

- (1) L. Daniel Devaraj, Grace College of Engineering, India.
- (2) Patrick Muanza Kant, University of Iceland, Iceland.
- (3) Mamadou Waidi Onah, Benin.

Additional Reviewers:

- (1) Amir Sohail Khan, School of Information engineering Jiangxi University of Science and Technology, China.
- (2) Asif Ahamed, Westcliff University, United States of America.
- (3) Sathya Kannan, United States.
- (4) Y. Chalapathi Rao, VNRVJIET, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/144737>

Influence of Wellhead Pressure and Injected Gas Specific Gravity on Oil Production Rate from a Gas-Lifted Well in the Niger Delta
DOI: 10.9734/jerr/2025/v27i101675

Reviewers:

- (1) Md. Ariful Islam, Rajshahi University of Engineering & Technology, Bangladesh.
- (2) Thomas Okechukwu Onah, Enugu State University of Science and Technology, Nigeria.
- (3) Muzher Mahdi Ibrahim, Tikrit University, Iraq.

Additional Reviewers:

- (1) Sudad H Al-Obaidi, Mining University, Sweden.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145254>

Elevating Continuous Verification through Advanced Behavioral Analytics: A Deep-Dive Framework for Combating Insider Threats and Account Takeovers in Modern Cybersecurity

DOI: 10.9734/jerr/2025/v27i101676

Reviewers:

- (1) Shams Mukhtar, India.
- (2) Pawanjeet Kaur, Symbiosis Skills and Professional University, India.
- (3) Ahmed ElHamahmy, Cairo University, Egypt.
- (4) Joseph Chukwunweike, UK.

Additional Reviewers:

- (1) Vidhya Gangadharan, Annamalai University, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145701>

Adaptive AI Pipelines in Population Health Analytics for Enhanced Security and Data Governance

DOI: 10.9734/jerr/2025/v27i101677

Reviewers:

- (1) Sameh Mohamed Ahmed Eissa Salem Hadhoud, Peoples' Friendship University of Russia named after Patrice Lumumba (RUDN University), Russia.
- (2) T. Nikil Prakash, St. Joseph's College (Autonomous), India.

Additional Reviewers:

- (1) Amit Goswami, USA.
- (2) Bondarieva Iryna, National University of Pharmacy, Ukraine.
- (3) Frehiwot Gebrekrstos Girmay, Aksum University College of Engineering and Technology, Ethiopia.
- (4) Hirenkumar Mistry, USA.
- (5) M. P. Revathi, J.J. College of Engineering and Technology, India.
- (6) R. Durga, VISTAS, India.
- (7) Seta Boghikian – Whitby, University of La Verne, USA.
- (8) Vikas N. Mahandule, MAEER's MIT Arts Commerce & Science College, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145702>

Optimizing Urban Road Networks: A Systematic Review of Design, Control and Multimodal Integration

DOI: 10.9734/jerr/2025/v27i101678

Reviewers:

- (1) Uneb Gazder, University of Bahrain, Bahrain.
- (2) R Gowriprakash, Bharathiar University, India.

Additional Reviewers:

- (1) ENNIDA Kenza, Sidi Mohammed Ben Abdellah University "National School of Business and Management of Fez", Morocco.
- (2) Shuxrat, Tashkent State Transport University, Uzbekistan.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145515>

AI-Driven Acoustic Drones with Quantum Signal Processing for Pest Control

DOI: 10.9734/jerr/2025/v27i101679

Reviewers:

- (1) Aatmaj Amol Salunke, Northeastern University, United States.
- (2) Shubham Dhakad, Navsari Agricultural University, India.

Additional Reviewers:

- (1) G. Jeyaram, Easwari Engineering College, India.
- (2) Jatin Kumar Singh, Govind Ballabh Pant University of Agriculture and Technology, India.
- (3) Marko Radovanovic, University of Defence, Republic of Serbia.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145384>

Benchmarking EfficientNet, MobileNet and ResNet Architectures for Cassava Disease Detection in Agricultural Robotics

DOI: 10.9734/jerr/2025/v27i101680

Reviewers:

- (1) Md Ariful Islam, Rajshahi University of Engineering & Technology, Bangladesh.
- (2) Shiva Prakash.S, New Horizon College of Engineering, India.
- (3) Chairuddin, M.T., Indonesia.

Additional Reviewers:

- (1) Supriya Amrutrao Bankar, Pravara Institute of Medical Sciences (DU), India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145904>

Development of an Automatic Assembly System for RV Reducers Using SolidWorks and VB.NET
DOI: 10.9734/jerr/2025/v27i111681

Reviewers:

- (1) Praful Vijay Nandankar, Government College Of Engineering, India.
- (2) Konduri Ramesh, Bapatla Engineering College, India.

Additional Reviewers:

- (1) Subhajit Pal, Indian Institute of Technology Jodhpur, India.
 - (2) Tesfaye Barza Zema, Wolaita Sodo University, Ethiopia.
- William K.G. Palmer, Canada.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145443>

Torrefaction of Groundnut Shell and Straw for Improving the Fuel Quality and Bioenergy Application
DOI: 10.9734/jerr/2025/v27i111682

Reviewers:

- (1) S Sriramajayam, Tamil Nadu Agricultural University, India.
- (2) Noe Anes Garcia, University Oviedo, Spain.
- (3) Endrit Fetahi, University of Prizren, Europe.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145492>

Federated Learning and Graph Neural Networks for Transmission System Stability: A Privacy-Preserving Artificial Intelligence Framework for Smart Grids
DOI: 10.9734/jerr/2025/v27i111683

Reviewers:

- (1) Pravin Sankhwar, USA.
- (2) Alireza Zabihi, Portugal.

Additional Reviewers:

- (1) Bilal Abdullah Nasir, Northern Technical University, Iraq.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145634>

Optimization of Hybrid Renewable Energy Systems for Sustainable Rural Electrification in Kwara State, Nigeria: A Techno-Economic and Environmental Assessment
DOI: 10.9734/jerr/2025/v27i111684

Reviewers:

- (1) Billa Pardhasaradhi, India.
- (2) Agus Kiswantono, Indonesia.

Additional Reviewers:

- (1) Hussam Jawad Kadhim, India.
- (2) Hameedah Sahib Hasan, Al-Furat Al-Awsat Technical University, Iraq.
- (3) Nitiraj V. Kulkarni, Vishwakarma University, India.
- (4) Wulfran Fendzi Mbasso, University of Douala, Cameroon.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145988>

Self-Healing Health Records: Autonomous Data Integrity Models for Corruption-resistant Electronic Medical Records (EMR)
DOI: 10.9734/jerr/2025/v27i111685

Reviewers:

- (1) Ganesh Dagadu Puri, Amrutvahini College of Engineering, India.
- (2) Vahid Ranaei, Arak University of Medical Sciences, Iran.

Additional Reviewers:

- (1) Danqing Ma, Northeastern University, US.
- (2) Ogochukwu Chika Okonkwo, School of Health Information Management, Nnamdi Azikiwe (1) University Teaching Hospital, Nigeria.
- (3) Vaishaliben P. Patel, Indus University, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/146429>

Analysis of Rain Attenuation over the Geo-climatic Regions of Nigeria Using Attenuation Prediction Models
DOI: 10.9734/jerr/2025/v27i111686

Reviewers:

- (1) Musa Mohammad Tanko, Nigeria.
- (2) Christopher Oluwatobi Adeogun, Thrivix Innovation Laboratory, Nigeria.
- (3) Roshan Kumar Singh, IIT Madras, India.

Additional Reviewers:

- (1) Anmol Budhewar, India.
- (2) Halil Ibrahim ONYIL, Türkiye.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/146084>

Design and Fabrication of Vacuum Dehydration Machine for Cassava Processing
DOI: 10.9734/jerr/2025/v27i111687

Reviewers:

- (1) Aparana Sharma, JNKVV- College of Agriculture, India.
- (2) Ciceron Gonzalez Toxqui, Universidad Politecnica de Baja California, Mexico.

Additional Reviewers:

(1) Khairunnisa Atiqah Mohamad Khalid, Malaysia.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145706>

Lightweight YOLOv8 Optimized Deep Neural Network for Real-Time Weapon Detection on Raspberry Pi 5 in Smart Surveillance Systems
DOI: 10.9734/jerr/2025/v27i111688**Reviewers:**

- (1) B. Sindhu, Godavari Global University, India.
- (2) Aditya Sharma, India.
- (3) K. Lokeshwaran, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, India.
- (4) MD Tanvir Rahman, Chittagong University of Engineering & Technology, Bangladesh.

Additional Reviewers:

- (1) Angshu Kumar Sinha, India.
- (2) Khushboo Jha, Birla Institute of Technology Mesra, India.
- (3) Sayali Abhijeet Salkade, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145651>

Effect of Sinusoidal Rigid-ring Baffle Geometry on Sloshing Dynamics in Long Cylindrical Vessels: A Numerical Study
DOI: 10.9734/jerr/2025/v27i111689**Reviewers:**

- (1) Anurag Tiwari, India.
- (2) Ndah Abdulrahman Alpha, University of Agriculture, Makurdi, Nigeria.

Additional Reviewers:

- (1) Gazi Mamunar Rashid, Phultala Mozam Maholder College, Bangladesh.
- (2) Rached Miri, University of Gafsa, Tunisia.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145797>

Mechanical Behavior and Freeze-Thaw Damage Modeling of Hydraulic Rubberized Concrete
DOI: 10.9734/jerr/2025/v27i111690**Reviewers:**

- (1) Ouiame Chakkor, Istanbul Aydin University, Turkey.
- (2) Andrea Piroddi, Universita Di Bologna, Italy.

Additional Reviewers:

- (1) Arvind Singh Gaur, Sage University Indore, India.
- (2) Babagana Alhaji Mustapha, Ramat Polytechnic, Nigeria.
- (3) Hassana Mailabari Kumo, Federal University of Applied Sciences, Nigeria.
- (4) Sushil Kumar Singh, Vivekananda College of Technology & Management, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145976>

IoT Based Smart Monitoring System for Enhancing Security and Compliance in the Ministry of Commerce: A Case Study in Saudi Arabia
DOI: 10.9734/jerr/2025/v27i111691**Reviewers:**

- (1) Lotfi Ezzeddini, Tunisia.
- (2) Anand Kumar Singh, Government Engineering College, Daman, India

Additional Reviewers:

- (1) Metin Pekgor, Swinburne University of Technology Melbourne, Australia.
- (2) Sameer Jain, NICMAR Business School, NICMAR University Pune, India.
- (3) Santanu Purohit, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/146857>

Modelling of Artificial Intelligence (AI) Algorithms for Analysis of the Effects of Agricultural Production in Nigeria
DOI: 10.9734/jerr/2025/v27i111692**Reviewers:**

- (1) Sagar Madhukar Chavan, D Y Patil Agricultural and Technical University, India.
- (2) Samadhan Surwase, Vasantdada Sugar Institute, India.
- (3) Zdzislaw W. Puslecki, Adam Mickiewicz University, Poland.

Additional Reviewers:

- (1) Otieno Abich, Kenya.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145983>

Analytics of Third-Party Risk in U.S. Supply Chains: AI for Proactive Risk Scoring and Mitigation
DOI: 10.9734/jerr/2025/v27i111693**Reviewers:**

- (1) Rajesh Vayyala, United States of America.
- (2) B.V. RamaKrishna, Vignan Institute of Technology and Science, India.
- (3) Vijay Kartik Sikha, United States.

Additional Reviewers:

- (1) Lahari Pandiri, USA.
- (2) Khalilor Rahman, Gannon University, USA.
- (3) Rashed buiya, California State University, US.
- (4) Slusariuc Gabriela Corina, University of Petrosani, Romania.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/146415>

Multi Hand Gesture Recognition Using a Multilayer Perceptron (MLP) Model with mmWave Radar Sensing Data

DOI: 10.9734/jerr/2025/v27i111694

Reviewers:

- (1) Jagjot Bhardwaj, USA.
- (2) Yong Wang, University of Aberdeen, China.
- (3) Hatice Nur Canpolat, Gazi University, Turkey.

Additional Reviewers:

- (1) G. Anjan Babu, Sri Venkateswara University, India.
- (2) Nilamadhab Mishra, Mohan Babu University, India.
- (3) Shilpa H.K, Mandya University, Government College for Women's, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/146863>

AI-Based 5G Traffic Management: Simulation, Comparison, and Real-World Performance Analysis

DOI: 10.9734/jerr/2025/v27i111695

Reviewers:

- (1) Hamzah Hadi Qasim, Basrah University for Oil and Gas, Iraq.
- (2) Dipta Paul, American International University-Bangladesh (AIUB), Bangladesh.

Additional Reviewers:

- (1) Anak Agung Ngurah Gunawan, Universitas Udayana, Indonesia.
- (2) Azahari Bin Salleh, Universiti Teknikal Malaysia Melaka, Malaysia.
- (3) Liqaa Saadi Mezher, Mustansiriya University, Iraq.
- (4) Minmoy Goswami, Sanaka Educational Trust's Group of Institutions (SETGOI), India.
- (5) Nguyen Minh Phuc, Information Technology Institute, Vietnam National University, Vietnam.
- (6) Oluwatosin Oladayo Aramide, Ireland.
- (7) Pratik Jangale, University of Maryland, College Park, United States.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145108>

Proactive Cyber-Threat Intelligence and Predictive Analytics for Protecting At-Home Medical IoT Devices against Zero-Day Exploits

DOI: 10.9734/jerr/2025/v27i111696

Reviewers:

- (1) I. A Amaefule, Imo State University, Nigeria.
- (2) Mujiba Shaima, Monroe University, USA.
- (3) Abhilash Reddy Pabbath Reddy, USA.
- (4) R. Priscilla Joy, Karunya Institute of Technology and Sciences, India.

Additional Reviewers:

- (1) Abayomi Titilola Olutimehin, Royal Holloway University of London, United Kingdom.
- (2) Hari Gonaygunta, University of the Cumberlands, USA.
- (3) Joseph Chukwunweike, United Kingdom.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/146564>

The Speed vs Quality Spectrum in MAPF: A Unified Review of Suboptimal and Bounded-Suboptimal Pathfinding Solvers

DOI: 10.9734/jerr/2025/v27i111697

Reviewers:

- (1) Kanaka Vardhini Kollipara, DRK College of Engineering and Technology, India.
- (2) Dharmendra Jain, Bikaner Technical University, India.

Additional Reviewers:

- (1) Sboniso Brutus Masikana, Mangosuthu University of Technology, Republic of South Africa.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/146933>

Application of Lean Six Sigma in Construction Project Management: Reducing Delays and Cost Overruns

DOI: 10.9734/jerr/2025/v27i111698

Reviewers:

- (1) Jaiveshkumar D. Gandhi, Government Engineering College, Bharuch, India.
- (2) Mohammed Sallam, United Arab Emirates.

Additional Reviewers:

- (1) Emmanuel Adie, Edo State University, Nigeria.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/146667>

A Review of the Shape Evolution and Scenario-based Applications of Search and Rescue Robots

DOI: 10.9734/jerr/2025/v27i111699

Reviewers:

- (1) S. Palanivel Rajan, Vellammal College of Engineering and Technology, India.
- (2) Favour Amarachi Ezeugwa, Prairie View A&M University, United State of America.

Additional Reviewers:

- (1) Solomon Audu, Caleb University, Nigeria.
- (2) Tasnim, Mandala Waluya University, Indonesia.
- (3) Tasnim – Tasnim, Indonesia.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/146861>

Enhancing Soil Shear Strength Using Gum Arabic as a Natural Biopolymer Stabilized
DOI: 10.9734/jerr/2025/v27i111700**Reviewers:**

- (1) Godwin Ededem Udo, University of Uyo, Nigeria.
- (2) Rona Reski, M.S.P., Indonesia.
- (3) ATIQAHA NAJWA ZAINUDDIN, UNIVERSITI TEKNOLOGI MARA JOHOR, MALAYSIA.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/146992>

A Quantitative Approach to Understanding Machine Learning Adoption for Cybersecurity in E-commerce through the UTAUT Model
DOI: 10.9734/jerr/2025/v27i111701**Reviewers:**

- (1) Tobias Kwame Adukpo, Ghana.
- (2) Anmol Adhikari, Nepal.
- (3) Ayeni Toba Paul, Nigeria.
- (4) Fakhrul Islam Sumon, International American University, United States.

Additional Reviewers:

- (1) Ajay Tanikonda, United States of America.
- (2) Chandrashekar Pandugula, USA.
- (3) Jehoiairib N. Umoren, United States of America.
- (4) Engr Dr Joe Ogbonnaya Irukwu, Abia State Polytechnic, Nigeria.
- (5) MD Azam Khan, International American University, United States of America.
- (6) Md. Rashed buiya, California State University, US.
- (7) Radhika K G, University College, India.
- (8) Shubhiddip sasmal, USA.
- (9) Uzoaru Godson Chetachi, Clifford University, Nigeria.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/147161>

Application of Iterative Learning Control in Cement Weighing Error Compensation for Concrete Mixing Stations
DOI: 10.9734/jerr/2025/v27i111702**Reviewers:**

- (1) Sc. Ekrem Bektasevic, Bosnia and Herzegovina.
- (2) Shaik Subhan Alisha, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/147186>

Study on the Influence of Injection Timing from Fuel Injectors on In-Cylinder Gas Flow in Dual-fuel Free-piston Engines
DOI: 10.9734/jerr/2025/v27i111704**Reviewers:**

- (1) Paulo Cesar Schotten, Federal University of Mato Grosso do Sul, Brazil.
- (2) Kunapuli Siva Satya Mohan, Aditya University, India.
- (3) Pravin T Nitnaware, Savitribai Phule Pune University, India.

Additional Reviewers:

- (1) Kiran Dinkar Chaudhari, Dr. Babasaheb Ambedkar Technological University, India.
- (2) Paulo César Schotten, Federal University of Mato Grosso do Sul, Brazil.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/146580>

Hydrogen Storage for Sustainable Energy System: Technological Challenges and Socio-economic Opportunities
DOI: 10.9734/jerr/2025/v27i111705**Reviewers:**

- (1) Echendu Promise Nkem, University of Port Harcourt, Nigeria.
- (2) Amita Fotedar, New Zealand.

Additional Reviewers:

- (1) Ajim Shabbir Sutar, D. Y. Patil College of Engineering and Technology, India.
- (2) Fredrick Kabwe, Delhi Technological University, India.
- (3) Godwin Ededem Udo, University of Uyo, Nigeria.
- (4) S. Anbuchandran, Chennai Institute of Technology, India.
- (5) Sreejith Vignesh B P, Sri Krishna Adithya College of Arts & Science, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/146171>

Integrating Data-Driven Continuous Improvement Frameworks within ERP-Enabled Manufacturing Environments
DOI: 10.9734/jerr/2025/v27i111706**Reviewers:**

- (1) Iqtiaar Md Siddique, The University of Texas at El Paso, USA.
- (2) Samuel Trinata Winniyarto, National Taiwan University of Science and Technology, Taiwan.

Additional Reviewers:

- (1) Ali Mansouri, University of Tehran, Iran.
- (2) Bhumika Shah, University of the Cumberlands, USA.

- (3) Dhavalkumar Patel, USA.
- (4) Gegeleso Omolola Madoh, Ladoke Akintola University of Technology Ogbomoso, Nigeria.
- (5) Girmay Mengesha Azanaw, University of Gondar, Ethiopia.
- (6) Jane Nasimiyu Were, United States International University-Africa, Kenya.
- (7) Jyothsna Devi Dontha, USA.
- (8) Le Thai Son, Viet Nam Aviation Academy, Viet Nam.
- (9) Md Rokibul Hasan, Gannon University, USA.
- (10) Muhammad Marsudi, Islamic University of Kalimantan (UNISKA MAB), Indonesia.
- (11) Murali Malempati, USA.
- (12) Shambhu Sarkar, United States.
- (13) Shivani Nigam, New Horizon College, India.
- (14) Syed Waheeduddin Khadri, University of the Cumberlands, USA.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/146428>

Adoption Dynamics and Implementation Strategies of Machine Learning for Cybersecurity Threat Detection in the E-Commerce Sector
DOI: 10.9734/jerr/2025/v27i111707

Reviewers:

- (1) Said Badreddine, Higher Colleges of Technology, United State of America.
- (2) Khalilur Rahman, Gannon University, USA.
- (3) S A Mohaiminul Islam, Washington University of Science & Technology, United States.
- (4) Francisca Adekanye, Obafemi Awolowo University, Nigeria.

Additional Reviewers:

- (1) Ahmed ElHamahmy, Cairo University, Egypt.
- (2) Amilcar Marcelo Varela Enríquez, Ecuador.
- (3) Bharath Somu, USA.
- (4) Hirenkumar Mistry, USA.
- (5) Jeevani Singireddy, USA.
- (6) Murali Malempati, USA
- (7) Raviteja Meda, USA.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/147166>

Experimental Optimization and Performance Evaluation of a Socket-Wheel Sesame Seed Metering Device
DOI: 10.9734/jerr/2025/v27i111708

Reviewers:

- (1) Ibrahim Abubakar, Waziri Umaru Federal Polytechnic, Nigeria.
- (2) Mahmoud Okasha, Egypt.
- (3) M. Santhosh, Anna University, India.

Additional Reviewers:

- (1) Animesh Kairi, India.
- (2) Badhai Lonia, Deshbbhagat University, India.
- (3) Ibrahim Abubakar, Waziri Umaru Federal Polytechnic, Nigeria.
- (4) Thamaraimanalan T, Sri Eshwar College of Engineering, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/146215>

Design and Analysis of a Multipurpose Power Tiller with CG 125 Prime Mover
DOI: 10.9734/jerr/2025/v27i111709

Reviewers:

- (1) Ali Abdulqader Mohammed Ali Al-Zaidi, Iraq.
- (2) Ali Abbas Hashim Almaidi, University of Maysan, Iraq.
- (3) Jimcel P. Pecaso, Philippines.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/146713>

Optimization-Based Adaptive Coordination of Directional Overcurrent Relays in Multi-DG Radial Distribution Systems
DOI: 10.9734/jerr/2025/v27i111710

Reviewers:

- (1) B Navothna, Institute of Aeronautical Engineering, India.
- (2) Niraj Mishra, KNIT, India.
- (3) Sasmita Tripathy, Nilachala Polytechnic College of Engineering, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145991>

Green Building Certification and Smart Façade Systems for U.S. Sustainability Goals
DOI: 10.9734/jerr/2025/v27i111711

Reviewers:

- (1) Ouiame Chakkor, Istanbul Aydin University, Istanbul, Turkey.
- (2) Bandhavya G B, Navkis College of Engineering, VTU-Belagavi, India.
- (3) Darshna B. Joshi, Government Polytechnic Gandhinagar, India.

Additional Reviewers:

- (1) Abba Alfanda, Nigeria.
- (2) Pratik Sitaram Matkar, Shivaji University, India.
- (3) Rajendra P, M. S. Ramaiah Institute of Technology, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/146622>

Lightweight Design of a Multi-axis Drilling Box Based on Topology Optimization
DOI: 10.9734/jerr/2025/v27i111712

Reviewers:

- (1) Mohammad Rahman, Rio Tinto, USA.
- (2) Annu, G. D. Goenka University, India.

Additional Reviewers:

- (1) Nitin Girdhar Shinde, R C Patel Institute of Technology, India.
- (2) Priyanka Chaurasia, IIT Kharagpur West Bengal, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/147393>

Mobile Platform for Soursop Leaves (*Annona muricata*) Plant Diseases Detection
DOI: 10.9734/jerr/2025/v27i111713

Reviewers:

- (1) Zdzislaw W. Puslecki, Adam Mickiewicz University, Poland.
- (2) Narasimha Rao Boinapalli, USA.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/147423>

Effect of Iron Oxide Nanoparticles and Combined Pretreatment on Biogas Yield from Oil Palm Fruit Bunch under Mesophilic Conditions
DOI: 10.9734/jerr/2025/v27i111714

Reviewers:

- (1) Rakesh Choudhary, National Institute of Technology, India.
- (2) Augustine Olugbenga Folorunso, Ladoke Akintola University of Technology, Nigeria.

Additional Reviewers:

- (1) Anis Masyruroh, University Of Banten Jaya, Indonesia.
- (2) Cantika Setya Permatasari, Republic of Indonesia Defense University, Indonesia.
- (3) Fredrick Kabwe Delhi, Technological University, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/146951>

Assessing the Profitability of a Remanufactured Electric Vehicle Battery Pack
DOI: 10.9734/jerr/2025/v27i111715

Reviewers:

- (1) C. J. Vignesh, KPR Institute of Engineering and Technology, India.
- (2) Prajwal Chinthoju, University of Illinois, United States.

Additional Reviewers:

- (1) Anuj Kumar, Mahamaya Government Degree College, India.
- (2) Dinesh Popatbhai Pipalava, Lukhdhirji Engineering College, GTU, India.
- (3) Saurabh Vinayak Lawate, Vidarbha Institute of Technology, India.
- (4) Umesh Kumar Singh, Teerthanker Mahaveer University, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/147521>

Derivation and Analysis of Rigid Aircraft Equations of Motion with Application to Longitudinal Dynamics
DOI: 10.9734/jerr/2025/v27i111716

Reviewers:

- (1) Iqtiaar Md Siddique, The University of Texas at El Paso, USA.
- (2) Akoramurthy B, National Institute of Technology Puducherry, India.

Additional Reviewers:

- (1) Emin Taner ELMAS, Igdir University, Turkey.
- (2) Ochuko Felix Orikpete, University of Port Harcourt, Nigeria.
- (3) Shivaji Lamani, REVA University, India.
- (4) Subash Dhaka, University of Padova, Italy.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145794>

Impact of Static Var Compensator (SVC) on Voltage Stability and Power Losses in the N'Djamena Power Network
DOI: 10.9734/jerr/2025/v27i111717

Reviewers:

- (1) Shamik Palit, University of Stirling RAK Campus, United Arab Emirates.
- (2) Anatolii Semenov, Poltava State Agrarian University, Ukraine.

Additional Reviewers:

- (1) Abdelhamid Bounemour, University of Constantine, Constantine, Algeria.
- (2) Ahiamadu Jonathan Okirie, University of Port Harcourt, Nigeria.
- (3) Akhil Nigam, Chandigarh University, India.
- (4) Bilal Abdullah Nasir, Polytechnic College Hawija, Northern Technical University, Iraq.
- (5) Hameedah Sahib Hasan, Al-Furat Al-Awsat Technical University, Iraq.
- (6) Padmanabha Raju Chinda, Prasad V. Potluri Siddhartha Institute of Technology, India.
- (7) Vivek Gupta, Rayat Bahra University, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/147717>

Hybrid Ensemble Learning with Uncertainty Quantification for Multi-objective EDM Parameter Optimization
DOI: 10.9734/jerr/2025/v27i111718

Reviewers:

- (1) N. Parthipan, SRM Institute of Science and Technology, India.
- (2) Abhay Shivajirao Gore, Maharashtra Institute of Technology, India.

Additional Reviewers:

- (1) Deepa Singh, Govind Ballabh Pant University of Agriculture and Technology, India.
- (2) Dignesh Thesiya, University of Maine, USA.
- (3) Gaurav Kumar Pandey, India.
- (4) Maria Iruj, Pakistan.
- (5) Smt. Praveena. S, Annamacharya Institute of Technology and Sciences, (AITS), India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/147158>

Analysis of the Economic Impact of Traffic Congestion on Highways with a High-volume Capacity (VC) Ratio in the Special Region of Yogyakarta
DOI: 10.9734/jerr/2025/v27i111719**Reviewers:**

- (1) Vinod Kumar Yadav, Parul University, India.
- (2) Lotfi Ezzeddini, Tunisia.
- (3) Juang Akbardin, Universitas Pendidikan Indonesia, Indonesia.

Additional Reviewers:

- (1) Derradji KADRI, University of Mohamed Boudiaf – Msila, Algeria.
- (2) Divya J. St. Joseph's College of Engineering, OMR, India.
- (3) Sri Rahayu Surtiningtyas, Civil Aviation Polytechnic of Surabaya, Indonesia.
- (4) Zahraa A. Jaaz, Al-Nahrain University, Iraq.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145647>

Multi-Objective Optimization of TA1 Sheet Incremental Forming Based on ABAQUS Finite Element Simulation and NSGA-II
DOI: 10.9734/jerr/2025/v27i111720**Reviewers:**

- (1) Mahesh Balasaheb Chougule, DKTE Society's Textile and Engineering Institute, India.
- (2) Sushil Kumar Singh, Vivekananda College of Technology & Management, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/147933>

Experimental Investigation of the Physico-Mechanical Properties of Plastic-Stabilized Pavement Materials
DOI: 10.9734/jerr/2025/v27i111721**Reviewers:**

- (1) Krishnaraddi Gangal, Rural Engineering College Hulkoti 582-205, India.
- (2) Rafeaa Mohammed Khudhur, Northern Technical University / Mosul Polytechnic College, Iraq.
- (3) Anil Kumar Yadava, India.

Additional Reviewers:

- (1) Bangar Raju Lingampalli, Koneru Lakshmaiah Educational Foundation, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/147924>

2025 - Volume 27 [Issue 12]**Comparative Analysis of Signal Latency on 4G Network in Karu Site Abuja, Nigeria**
DOI: 10.9734/jerr/2025/v27i121723**Reviewers:**

- (1) Mustafa F. Mahmood, Middle Technical University, Iraq.
- (2) Olena Osharovska, State University of Intelligent Technologies and Telecommunications, Ukraine.
- (3) Nahla Nurelmadina, Alzaïem Alazhari University, Sudan.

Additional Reviewers:

- (1) Halliru Shuaibu, Northwest University, Kano, Nigeria.
- (2) Marwan H. Mohammed, University of Mosul, Iraq.
- (3) Pankaj Chandra Kar, Stamford University Bangladesh, Bangladesh.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145993>

E-MOIS: An Intelligent Mobile Platform for Institutional Energy Monitoring and Optimization
DOI: 10.9734/jerr/2025/v27i121724**Reviewers:**

- (1) Pawanjeet Kaur, Symbiosis Skills and Professional University, India.
- (2) Praful Vijay Nandankar, Government College of Engineering, Nagpur, India.
- (3) Erekaa, Terzungwe Richard, Federal University of Technology Minna, Nigeria.

Additional Reviewers:

- (1) Samuel Twum, Lovely Professional University, India.
- (2) Slim Chtioui, Tunisia.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/147351>

The Cloud is Not Infallible: Lessons from Amazon's Global Outage and Strategic Pathways for Building Resilient Virtual Enterprises
DOI: 10.9734/jerr/2025/v27i121725**Reviewers:**

- (1) Yogesh Ramaswamy, Northeastern University, United States.
- (2) Praveen Kumar Dhankar, Symbiosis Institute of Technology, India.
- (3) Nagham Ajeel Sultan, University of Mosul, Iraq.

Additional Reviewers:

- (1) Oluwatoyin Mary Yerokun, Ekiti State University, Nigeria.
- (2) Rashmi T.V, East Point College of Engineering and Technology, India.
- (3) Sanjeev Gour, Medicaps University Indore, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/148082>

CFD Analysis of Hydrodynamic Drag Characteristics in Amphibious Robots with Different Bow Angles

DOI: 10.9734/jerr/2025/v27i121726

Reviewers:

- (1) Anirban Sur, Symbiosis Institute of Technology, Symbiosis International (Deemed) University, India.
- (2) R. Sugunthakunthalambigai, Agricultural Engineering College and Research Institute, India.

Additional Reviewers:

- (1) Ashok Kumar, Cyprus Marine and Maritime Institute, Cyprus.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/147420>

Comparative Characterisation of Aluminium Bars Produced from Discarded Aluminium Parts

DOI: 10.9734/jerr/2025/v27i121727

Reviewers:

- (1) Pooria Kianoush, Islamic Azad University, Iran.
- (2) Anant Sidhappa Kurhade, Dr. D. Y. Patil Institute of Technology, India.

Additional Reviewers:

- (1) K.P. Srinivasa Perumal, Mahendra Engineering College (AUTONOMOUS), India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/147984>

AI-Driven Automation of Cybersecurity Certification Processes: Evaluating Efficiency, Transparency and Risk Mitigation in Digital Governance Systems

DOI: 10.9734/jerr/2025/v27i121728

Reviewers:

- (1) Farhang Salehi, Iran.
- (2) Hirenkumar Mistry, Grand Canyon University, USA.
- (3) Alex Mathew, Bethany College, USA.
- (4) Oluwafemi Alabi Okunlola, Lamar University, United States.

Additional Reviewers:

- (1) Alex Mathew, Bethany College, USA.
- (2) Cyril Anichukwueze, The University of Texas at Dallas, United States.
- (3) Harish Kumar Sriram, USA.
- (4) Jeevani Singireddy, USA.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/148166>

Drying Process Factors Effect on Cassava Chips

DOI: 10.9734/jerr/2025/v27i121729

Reviewers:

- (1) Arham Rusli, Pangkep State Polytechnic of Agriculture, Indonesia.
- (2) Adelu Akeem Olalekan, Auchu Polytechnic Auchu, Nigeria.

Additional Reviewers:

- (1) Dwiwati Pujimulyani, University of Mercu Buana Yogyakarta, Indonesia.
- (2) Katke S.D, MIT College of Food Technology, India.
- (3) Kavita Mane, School of Food Technology, MIT Art, Design and Technology University, India.
- (4) Yogita Rahul Mirajkar, College of Non-Conventional Vocational Courses for Women, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/145721>

Comparing the Performance of MobileNet and AlexNet Deep Learning-based Models for Facial Recognition

DOI: 10.9734/jerr/2025/v27i121730

Reviewers:

- (1) Liu Mingyang, College of Arts and Information Engineering, Dalian Polytechnic University, China.
- (2) Pushpendra Kumar Verma, IIMT University, India.
- (3) Khushboo Jha, Birla Institute of Technology Mesra, India.

Additional Reviewers:

- (1) S. Jothi, SRI Venkateshwaraa College of Technology, India.
- (2) Srivaishnavi K R, Presidency College, Chennai, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/144557>

Development of an Enhanced Internet of Things-Based Wearable Human Tracking Security System with Integrated Distress Alert Mechanism

DOI: 10.9734/jerr/2025/v27i121731

Reviewers:

- (1) S. Maria Sylviaa, Nirmala College for Women, India.
- (2) Muhibul Haque Bhuyan, American International University-Bangladesh (AIUB), Bangladesh.
- (3) Ravish Gupta, Dr. C. V. Raman University, India.

Additional Reviewers:

- (1) Moupali Roy, Narula Institute Of Technology, India.
- (2) Mustafa F. Mahmood, Iraq.
- (3) Premkumar R, Sri Sairam Engineering College, India.
- (4) Theodore Azemtsop Manfo, University of Vaasa, Finland.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/148363>

Morphology-driven Map Processing and Key-point Optimization for Enhanced Path Planning in ROS-based Autonomous Vehicles

DOI: 10.9734/jerr/2025/v27i121732

Reviewers:

- (1) Ariful Islam, Rajshahi University of Engineering & Technology, Bangladesh.
- (2) Hameedah Sahib Hasan, Al-Furat Al-Awsat Technical University, Iraq.
- (3) Orie, Chukwulenwenwa John, Micheal Okpara University Of Agriculture, Nigeria.

Additional Reviewers:

- (1) Elias M. Choueiri, several universities in Lebanon, Lebanon.
- (2) Khushboo Vijayan, IPU, India.
- (3) Konstantinos Karampelas, University of the Aegean. Greece.
- (4) Manu Mitra, University of Bridgeport, USA.
- (5) Vatsalkumar Bipinchandra Maisuriya, University of Calgary, Canada.
- (6) Yong Wang, University of Aberdeen, China.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/148697>

A Review of Algae Removal Technologies: Current Status, Methods, and Ecological Impacts

DOI: 10.9734/jerr/2025/v27i121733

Reviewers:

- (1) Bibi Abdallah Bakari, Kenya.
- (2) Morufat Li-Hammed, University of Lagos, Nigeria.

Additional Reviewers:

- (1) ADON Marie Paulette, University of Jean Lorougnon Guédé (Daloa), Côte d'Ivoire.
- (2) Ahmed Elsayed Ahmed Maaty, Egypt.
- (3) El Boukili Abdellah, Mohammed V University of Rabat, Morocco.
- (4) Nedjimi Mohammed Said, Faculty of Mathematics & Matter Sciences University of Kasdi Merbah Ghardaia Road, Ouargla, Algeria.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/148403>

Real-time Instance Segmentation Algorithm for Steel Structure Weld Seams Based on SOLOv2

DOI: 10.9734/jerr/2025/v27i121734

Reviewers:

- (1) Irzal Arief Wisky, Universitas Putra Indonesia YPTK Padang, Indonesia.
- (2) Nagababu Kandula, USA.

Additional Reviewers:

- (1) Nagababu Kandula, USA.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/148455>

Characterization of Locust Bean Seed Hull Extract (Gum) as a Bio-Binder for Natural Fiber Composites in Automotive Applications

DOI: 10.9734/jerr/2025/v27i121735

Reviewers:

- (1) Errili Miloud, Mohammed V University, Morocco.
- (2) Maria Antony Sebastin Vimalan P, Anna University Chennai, India.
- (3) Belete Balta Bassa, Gujarat Technological University, India.

Additional Reviewers:

- (1) Kedir Derbie, Wollo University, Kombolcha Institute of Technology, Ethiopia.
- (2) Sourav Debnath, Brainware University, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/148426>

Development of an Improved Groundnut Roasting and Peeling Machine

DOI: 10.9734/jerr/2025/v27i121736

Reviewers:

- (1) Ansar, University of Mataram, Indonesia.
- (2) Egwuagu Onyekachi Marcel, Enugu State University of Science and Technology, Nigeria.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/148551>

Exploring the Perceptions of Built Environment Student's on Modular Constructions Influences on Facilities Management in Technical University Ghana

DOI: 10.9734/jerr/2025/v27i121737

Reviewers:

- (1) Kurauwone Maponga, National University of Science and Technology, Zimbabwe.
- (2) Milad Semyari Roudbari, Iran University of Science and Technology, Iran.

Additional Reviewers:

- (1) Jamal Khatib, Beirut Arab University, Lebanon.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/139778>

Development of H-Infinity Based Speed Control of a Sensorless Induction Motor Drives
DOI: 10.9734/jerr/2025/v27i121738

Reviewers:

- (1) Pravin Sankhwar, WSP/ University of the Cumberlands, USA.
- (2) Sudhir Kumar Sharma, Visvesvaraya National Institute of Technology (VNIT), India.

Additional Reviewers:

- (1) Mohammad Mahdi Marzban, Mostazafan Foundation of Islamic Revolution, Iran.
- (2) Shambhu Sarkar, United States.
- (3) Theodore Azemtsop Manfo, University of Vaasa, Finland.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/148196>

Development of Walrus Optimization Algorithm-Tuned Integral-Proportional Derivative Temperature Control for Cashew-Kernel Dryer
DOI: 10.9734/jerr/2025/v27i121739

Reviewers:

- (1) Asish Kumar Akash, Rajshahi University of Engineering & technology, Bangladesh.
- (2) Vibha Parmar, Charusat University, India.

Additional Reviewers:

- (1) Peter Obasa, University of Technology Minna, Nigeria.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/148435>

Design and Implementation of Intelligent Temperature-Regulating Fan System Based on STC89C52
DOI: 10.9734/jerr/2025/v27i121740

Reviewers:

- (1) Okorodudu Franklin, Delta State University, Nigeria.
- (2) Swagata Barik, University of Calcutta, India.

Additional Reviewers:

- (1) Kaustubh Kumar Shukla, Dronacharya Group of Institutions, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/148854>

Aquila-optimized Recurrent Neural Network for Enhanced Facial Biometric Crime-control Systems
DOI: 10.9734/jerr/2025/v27i121741

Reviewers:

- (1) P. Jayabharathi, Agurchand Manmull Jain College, India.
- (2) Samit Paudel, Tribhuvan University – Gupteshwor Campus (BIM Program), Nepal.
- (3) Amir Reza Hashemi, Islamic Azad University, Iran.
- (4) Jodell R. Bulaclac, Nueva Ecija University of Science and Technology, Philippines.

Additional Reviewers:

- (1) B Asraf Yasmin, Sri Muthukumaran Institute of Technology, India.
- (2) Balkrishna, United States.
- (3) BENAISS Abdelaali, Sultan Moulay Slimane University, Morocco.
- (4) Daniel Edahi Urueta Hinojosa, Universidad Politécnica del Estado de Guerrero, México.
- (5) Hasan Phudinawala, Royal College of Arts, Science and Commerce (Autonomous), India.
- (6) Khushboo Jha, Birla Institute of Technology, India.
- (7) Naga Durga Saile. K, India.
- (8) Pravin Latane, Savatribai Phule Pune University, India.
- (9) Radha Seelaboyina, Geethanjali College of Engineering and Technology, India.
- (10) Senbagavalli M, Alliance University, India.
- (11) Sriperambuduri Vinay Kumar, Vasavi College of Engineering, India.
- (12) V Karamchand Gandhi, Jesu Arts and Science College, India.
- (13) Zainab Bibi, International Islamic University, Pakistan.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/148907>

GIS-based Spatial Modelling of Road Traffic Noise Distribution in Nairobi City, Kenya
DOI: 10.9734/jerr/2025/v27i121742

Reviewers:

- (1) Shno Mustafa Ali, Kirkuk University, Iraq.
- (2) Yasser Abdelazim Abdelmawgoud Samak, Assiut University, Egypt.
- (3) Sanjay Luitel, Nepal.

Additional Reviewers:

- (1) Guwani Erangi Kavirathna, University of Colombo, Sri Lanka.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/143140>

Prediction of the Service Life and Wear of Electric Hoist Wheels using the GM (1,1) Grey Model
DOI: 10.9734/jerr/2025/v27i121743

Reviewers:

- (1) Khuder N Abed, University of Diyala, Iraq.
- (2) Raghavendra J V, Jyothy Institute of Technology, Bengaluru, India.
- (3) Saravanan, Annamalai University, India.

Additional Reviewers:

- (1) Mahendra Shivaji Dhande, RTMNU, India.
- (2) Gabriel Gomes De Oliveira, UNICAMP, FEEC, Brazil.
- (3) Tuti Suartini, Universitas Pendidikan Indonesia, Indonesia.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/148942>

Artificial Intelligence Driven Optimisation of Scaffold Design and Production in Tissue Engineering: A Critical Review
DOI: 10.9734/jerr/2025/v27i121744

Reviewers:

- (1) Danding Ma, Northeastern University College of Engineering, US.
- (2) Jatinder Kumar, India.

Additional Reviewers:

- (1) Karthik Chava, USA.
- (2) Yeganeh Arian, Mashhad Medical University, Iran.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/148287>

AI-Driven Cybersecurity Strategies for Detecting Threats and Enhancing Network Resilience in Critical Infrastructure
DOI: 10.9734/jerr/2025/v27i121745

Reviewers:

- (1) Pavan Notalapati, USA.
- (2) Ramya Vani Rayala, University of The Cumberlands, USA.

Additional Reviewers:

- (1) Kumrashan Indranil Iyer, Information Security, USA.
- (2) Md Azam Khan, International American University, USA.
- (3) Nadim Ibrahim, Arab International University, Syrian Arab Republic.
- (4) Victor Oluwatosin Ologun, Le Moyne College, United States of America.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/148529>

Performance Evaluation of Solar-Based Hybrid Energy Systems Integrating Renewable and Conventional Sources in Nigeria
DOI: 10.9734/jerr/2025/v27i121746

Reviewers:

- (1) Wulfran Fendzi Mbasso, University of Douala, Cameroon.
- (2) Muhammad Johirul Islam, United International University, Bangladesh.
- (3) S. Pushpa, Panimalar Engineering College, India.

Additional Reviewers:

- (1) Augustine Olugbenga Folorunso, Ladoke Akintola University of Technology, The Nigerian Society of Engineers, Nigeria.
- (2) K.G. Pande, Yeshwantrao Chavan College of Engineering, Nagpur, India.
- (3) Mona Mohamed Amin Abdel-Fatah, National Research Centre (NRC), Egypt.
- (4) Stanislav Dushkin, Kharkiv National Automobile and Highway University, L. Ukraine.
- (5) Tahamina Yesmin, Haldia Institute of Management, India.
- (6) Yasser Fathi Fathi Nassar, Libya.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/149038>

Research on Thermal Environment Optimization in Livestock Transport Vehicles Using CFD
DOI: 10.9734/jerr/2025/v27i121747

Reviewers:

- (1) Niraj Mishra, Government Polytechnic Chhabilahakhor Sadar Basti, India.
- (2) Harpreet Kaur, India.
- (3) Sivaprasad Kollati, Godavari Global University, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/148952>

Thermal Management and Reliability Enhancement of GE Gas Turbine Exhaust Frame Blowers through Relocation and Design Simulation
DOI: 10.9734/jerr/2025/v27i121748

Reviewers:

- (1) Debiao Meng, University of Electronic Science and Technology of China, China.
- (2) Moyeed Abrar, Khaja Bandanawaz University, India.
- (3) Reffas Omar, Mentouri Brothers University Constantine 1 Institute of Applied Sciences and Technologies – ISTA, Algeria.

Additional Reviewers:

- (1) Emin Taner ELMAS, Igdir University, Turkey.
- (2) Muthuraman Subbiah, College of Engineering and Technology, University of Technology and Applied Sciences-Muscat, Oman.
- (3) William K.G. Palmer, University of Toronto Alumnus, Canada.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/149327>

Overview of Biomaterials-Derived Chitosan for Regenerative Medicine
DOI: 10.9734/jerr/2025/v27i121749

Reviewers:

- (1) Adarsh Kumar Pathak, SVU, India.
- (2) Muhammed Mizher Radhi, Middle Technical University, (MTU), Iraq.
- (3) Mounika V, The Tamilnadu Dr. MGR University of Health Sciences, India.
- (4) Onwuazor, Ogechukwu Philomena, Nigeria.

Additional Reviewers:

- (1) Ravindra Munjaba Hanwate, Valmik Naik College Of Pharmacy, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/148515>

Power Quality Assessment of Residential Electric Bulbs and Their Harmonic Impacts on Power Systems
DOI: 10.9734/jerr/2025/v27i121750

Reviewers:

- (1) Chirag Arora, Rajasthan Technical University, India.
- (2) Rahul Argelwar, Rashtrasant Tukadoji Maharaj Nagpur University, India.

Additional Reviewers:

- (1) Miss Rosalin Pradhan, Indira Gandhi Institute of Technology, India.
- (2) Vijander Kumar, NIFT Jodhpur, India.
- (3) Zuhaib Nishter, North China University Of Water Resources And Electric Power, China.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/148992>

Cluster-based Geospatial Optimization of Gas Flaring Sites in the Niger Delta for Enhanced Gas Recovery
DOI: 10.9734/jerr/2025/v27i121751

Reviewers:

- (1) Dhanashree K Toradmalle, K J Somaiya Institute of Technology, India.
- (2) Ikharo Abdullahi Braimoh, Edo State University Uzairue, Nigeria.
- (3) Gowtham S, Nandha Engineering College, India.

Additional Reviewers:

- (1) Mukesh Kumar Chourase, Makhanlal Chaturvedi National University of Journalism and Communication, India.
- (2) Nikita Yogesh Kapadnis, SCTR's Pune Institute of Computer Technology, India.
- (3) Vaishaliben P. Patel, Indus Univesity, India.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/149064>

AI-Driven MIS Architectures: Deep Learning-Enabled Decision Support for Business Operations
DOI: 10.9734/jerr/2025/v27i121752

Reviewers:

- (1) Rajesh Vayyala, United States of America.
- (2) Thien Anh Nguyen Bui, John von Neuman Institute, Vietnam.

Additional Reviewers:

- (1) Muhammad Adib Uz Zaman, University of Cincinnati, United States.

Complete Peer Review History: <https://pr.sdiarticle5.com/review-history/149189>

A Comprehensive Review of Hybrid Solar-Assisted Air Conditioning and Space Heating Systems with Advanced Evacuated Collector Designs
DOI: 10.9734/jerr/2025/v27i121753

Reviewers:

- (1) Tigabu Mekonnen Belay, Addis Ababa Science and Technology University, Ethiopia.
- (2) S. Bagyalakshmi, KGISL Institute of Technology, Coimbatore, India.
- (3) Gaddam Sathish Goud, Anna University, India.

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