

List of Reviewers
(as per the published articles)
Year: 2022

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2022 - Volume 18 [Issue 1]

Probabilities and Probable Solutions of a Modified KdV Type Nonlinear Partial Differential Equation
DOI: 10.9734/arjom/2022/v18i130350

Reviewers:

- (1) Mohammed Siham Rasheed, University of Technology, Iraq.
- (2) Anal Chatterjee, Barrackpore Rastraguru Surendranath College, India.

Additional Reviewers:

- (1) A.Karpagam, Anna University, India.
- (2) Emad A. Az-Zo'bi, Mutah University, Jordan.
- (3) Rachid Messaoudi, University Mohammed, Morocco.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/81407>

Generalized Estimators for Finite Population Variance Using Measurable and Affordable Auxiliary Character
DOI: 10.9734/arjom/2022/v18i130351

Reviewers:

- (1) Rustam, School of Electrical Engineering, Telkom University, Indonesia.
- (2) G Donald Allen, Texas A&M University, USA.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/72746>

Exact Solutions of Second-order Fractional Fredholm Integro-differential Equations
DOI: 10.9734/arjom/2022/v18i130352

Reviewers:

- (1) Ahmed A. Hamoud, Taiz University, Yemen.
- (2) Jagdish A.Nanware, Shrikrishna Mahavidyalaya, India.

Additional Reviewers:

- (1) Abbas Kareem Wanas, University of Al-Qadisiyah, Iraq.
- (2) Alireza Khalili Golmankhaneh, Islamic Azad University, Iran.
- (3) Luis Guillermo Romero, San Jose Technical Institute, Argentina.
- (4) Zainab Esa Abdulnaby, Mustansiriyah University, Iraq.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/83278>

Spectral Radius of a Normal Operator
DOI: 10.9734/arjom/2022/v18i130353

Reviewers:

- (1) Faraidun Kadir Hamasalh, Sulaimani University, Iraq.
- (2) Eriola Sila, University of Tirana, Albania.

Additional Reviewers:

- (1) Hilal Essaouini, University Abdelmalek Essaadi- Tetuan, Morocco.
- (2) Jerolina Fernandez, The Bhopal School of Social Sciences, India.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/79392>

One-step Hybrid Block Method for Directly Solving Fifth-order Initial Value Problems of Ordinary Differential Equations
DOI: 10.9734/arjom/2022/v18i130354

Reviewers:

- (1) Tahmineh Azizi, Florida State University, USA.
- (2) Ahmed A. Hamoud, Taiz University, Yemen.

Additional Reviewers:

- (1) Francisco Martínez González, Universidad Politécnica de Cartagena, Spain.
- (2) J. Visuvasam, Saraswathi Narayanan College, India.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/82445>

Modified Classes of Regression-Type Estimators of Population Mean in the Presences of Auxiliary Attribute
DOI: 10.9734/arjom/2022/v18i130355

Reviewers:

- (1) Manzoor Khan, Quaid-i-Azam University Islamabad, Pakistan.
- (2) Waqar Hafeez, School of Quantitative Sciences, University Utara Malaysia, Malaysia.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/82802>

On the Efficiency of Modified Regression-type Estimators Using Robust Regression Slopes and Non-conventional Measures of Dispersion
DOI: 10.9734/arjom/2022/v18i230356

Reviewers:

- (1) Jamiu Olasunkanmi Muili, Kebbi State University of Science and Technology Aliero, Nigeria.
- (2) Tolga Zaman, Cankiri Karatekin University, Turkey.

Additional Reviewers:

- (1) Janette C. Lagos, Philippines.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/83153>

The Application of Homotopy Perturbation Method: An Overview
DOI: 10.9734/arjom/2022/v18i230357

Reviewers:

- (1) Wadei AL-omeri, Al-Balqa Applied University, Jordan.
- (2) Awais Asif, Kateb University, Afghanistan.

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- (1) M. Anandaraj, Psna College of Engineering and Technology, India.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/82869>

Performance of New Line Search Methods with Three-Term Hybrid Descent Approach for Unconstrained Optimization Problems
DOI: 10.9734/arjom/2022/v18i230358

Reviewers:

- (1) José Gabriel Lopes, Instituto Superior De Engenharia De Lisboa, Portugal.
- (2) Erdinç Yücesoy, Ordu University, Turkey.
- (3) Oladejo Nathaniel Kayode, C.K.Tedam University of Technology and Applied Sciences, Ghana.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/74877>

Forecast Analysis of Ghana's Gross Domestic Product in Economic Growth using Time Series ARIMA
DOI: 10.9734/arjom/2022/v18i230359

Reviewers:

- (1) Athanasios Tsagkanos, University of Patras, Greece.
- (2) Ivy H. Casupanan, President Ramon Magsaysay State University, Philippines.
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- (4) Roselia Servin-Juárez, Mexico.
- (5) Sang Soo Chae, Korea University, South Korea.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/80900>

Mathematical Analysis of a SEIR Model with Nonlinear Incidence Rate for COVID-19 Dynamics
DOI: 10.9734/arjom/2022/v18i230360

Reviewers:

- (1) Gilbert Makanda, Central University of Technology, South Africa.
- (2) Furaha Michael Chuma, University of Dar es Salaam, Tanzania.
- (3) Temidayo Joseph Oluwafemi, Newgate College of Health Technology, Nigeria.
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- (1) Noor Badshah, University of Engineering and Technology, Pakistan.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/80976>

Half-Metric Spaces
DOI: 10.9734/arjom/2022/v18i230361

Reviewers:

- (1) Sushma Devi, Kanya Mahavidyalaya, India.
- (2) Yasuhiko Kamiyama, University of the Ryukyus, Japan.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/84102>

The Differential Equations of Gravity-free Double Pendulum: Lauricella Hypergeometric Solutions and Their Inversion
DOI: 10.9734/arjom/2022/v18i330362

Reviewers:

- (1) Youssri Hassan Youssri, Cairo University, Egypt.
- (2) Tahmineh Azizi, Florida State University, USA.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/84424>

The Position of Monetary Policy Mechanism in Controlling Inflation Growth in Nigeria Using Standardized Regression Model
DOI: 10.9734/arjom/2022/v18i330363

Reviewers:

- (1) Oluwole Jacob Adeyemi, Chrisland University, Nigeria.
- (2) Luz Angela Martinez Martinez, University Autonomous of West, Colombia.

Additional Reviewers:

- (1) Ritu Priya, Guru Nanak Khalsa College for Women, India.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/83181>

The Influence of Total Catastrophe on Simple Birth-Death-Immigration Processes
DOI: 10.9734/arjom/2022/v18i330364

Reviewers:

- (1) Paryati, University Pembangunan National "Veteran" Yogyakarta, Indonesia.
- (2) Shahab Wahhab Kareem, Erbil Polytechnic University, Iraq.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/84960>

Estimation of Finite Population Mean Using an Improved Class of Mixed Estimators with Two Auxiliary Variables
DOI: 10.9734/arjom/2022/v18i330365

Reviewers:

- (1) Miral R. Thakker, S. N. Patel Institute of Technology and Research Centre, India.
- (2) Narendra Singh Thakur, Govt. Adarsh Girls College, India.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/85010>

Exact Analytical Solution of Ivancevic Options Pricing Model (IOPM) or Schrodinger's Equation via ADM and SBA Methods
DOI: 10.9734/arjom/2022/v18i330366

Reviewers:

- (1) Suha Najeeb Shihab, University of Technology, Iraq.
- (2) Bogning Jean Roger, University of Bamenda, Cameroon.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/84786>

Comparing Machine Learning Algorithms in Land Use Land Cover Classification of Landsat 8 (OLI) Imagery
DOI: 10.9734/arjom/2022/v18i330367

Reviewers:

- (1) Darren How Jin Aik, School of Resources and Environmental Science, Wuhan University, China.
- (2) Xinghua Li, School of Remote Sensing and Information Engineering, Wuhan University, China.
- (3) Mohammed Zuhair Mohamedmeki, Mustansiriyah University, Iraq.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/84512>

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A Single-machine Scheduling with Generalized Due Dates to Minimize Total Weighted Late Work
DOI: 10.9734/arjom/2022/v18i430368

Reviewers:

- (1) Bello Hassan Kehinde, Federal Polytechnic, Nigeria.
- (2) J. Shanthini, Dr. N.G.P. Institute of Engineering, India.
- (3) Mohamed A. Alamoudy, King Abdulaziz University, Saudi Arabia.

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- (1) Monika Mangla, Dwarkadas J Sanghvi College of Engineering, India.
- (2) Siladitya Sen, Heritage Institute of Technology, India.
- (3) Toderas Mihaela, University of Petrosani, Romania.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/85321>

Modelling and Qualitative Analysis of the Transmission Dynamics of COVID-19 in Nigeria
DOI: 10.9734/arjom/2022/v18i430370

Reviewers:

- (1) Adamu Gambo, University of Ilorin, Nigeria.
- (2) Louis Omenyi, Alex Ekwueme University, Nigeria.
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Complete Peer review History: <https://www.sdiarticle5.com/review-history/83697>

Numerical Simulation of the Dispersion of Pollutant in a Canal
DOI: 10.9734/arjom/2022/v18i430371

Reviewers:

- (1) Ahmed A. Hamoud, Taiz university, Yemen.
(2) Muhammad Tanveer, University of Agriculture, Pakistan.

Additional Reviewers:

- (1) Abhishek S. Rao, VTU, India.
(2) H. A. Batarfi, King Abdulaziz University, Kingdom of Saudi Arabia.
(3) Emmanuel Omokhuale, Federal University Gusau, Nigeria.
(4) Jollanda Shara, Univ. "Eqrem Cabej", Albania.
(5) Mithun Kumar PK, World University of Bangladesh, Bangladesh.
(6) Peter Y P Chen, University of New South Wales, Australia.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/86193>

A Stochastic Model for Stock Market Price Variation
DOI: 10.9734/arjom/2022/v18i430372

Reviewers:

- (1) Tahmineh Azizi, Florida State University, USA.
(2) Suha Najeeb Shihab, University of Technology, Iraq.

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(2) Chisara P. Ogbogbo, University of Ghana, Ghana.
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(4) Sobhy El-sayed Ibrahim, Benha University, Egypt.
(5) S. Vidhya, Cauvery College for Women, India.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/85558>

Reduction of Defect Rate in Biscuit Production using Statistical Quality Control Process
DOI: 10.9734/arjom/2022/v18i430373

Reviewers:

- (1) V. Nirmala, Sri Krishna Arts and Science College, India.
(2) Rini Alfatiyah, Pamulang University, Indonesia.

Additional Reviewers:

- (1) Caren Babu, Christ College of Engineering, India.
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Complete Peer review History: <https://www.sdiarticle5.com/review-history/86474>

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On the Generalization of Factoriangular Numbers
DOI: 10.9734/arjom/2022/v18i530374

Reviewers:

- (1) C. Saranya, Cauvery College for Women, India.
(2) Aschale Moges Belay, Debarq University, Ethiopia.
(3) Shpetim Rexhepi, Mother Teresa University, North Macedonia.

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- (1) Kritsana Sokhuma, Phranakhon Rajabhat University, Thailand.
(2) Michael Berg, Loyola Marymount University, United States.
(3) V. Yegnanarayanan, Kalasalingam Academy of Research And Education, India.
(4) Yuri Nikitich Lovyagin, Saint Peterburg University, Russia.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/86060>

A numerical Approximation for the One-dimensional Burger–Fisher Equation
DOI: 10.9734/arjom/2022/v18i530375

Reviewers:

- (1) Mustafa Avci, University of Saskatchewan, Canada.
- (2) Xingbo Wang, Foshan University, China.

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- (5) Padi Jyostna, Acharya Nagarjuna University, India.
- (6) Pradeep Kothiyal, DAV(PG)College, HNB Garhwal central university, India.
- (7) Sule Omeiza Bashiru, Prince Abubakar Audu University, Nigeria.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/85584>

Calibration Estimators of Finite Population Total for Cluster Sample - (I)
DOI: 10.9734/arjom/2022/v18i530376

Reviewers:

- (1) Adnan, Mohi-Ud-Din Islamic University, Pakistan.
- (2) C. Saranya, Cauvery College for Women, India.

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- (1) Sobhy El-sayed Ibrahim, Benha University, Egypt.
- (2) Tahair Rasham, University of Poonch, India.
- (3) M. Kharis, Universitas Negeri Semarang, Indonesia.
- (4) Masomeh Aghamohamadi, Islamic Azad University, Iran.
- (5) Paryati, University Pembangunan National "Veteran" Yogyakarta, Indonesia.
- (6) Tahmineh Azizi, Florida State University, USA.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/86437>

Harmonic Centrality and Centralization of Some Graph Products
DOI: 10.9734/arjom/2022/v18i530377

Reviewers:

- (1) Basel M. Al-Eideh, Kuwait University, Kuwait.
- (2) J. Anitha, Arulmigu Kapaleeswarar Arts And Science College, India.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/86514>

An Improved Two-states Cyclical Dynamic Model for Plastic Waste Management
DOI: 10.9734/arjom/2022/v18i530378

Reviewers:

- (1) Oshinubi Kayode, Université Grenoble Alpes, France.
- (2) Sobhy El-Sayed Ibrahim, Benha University, Egypt.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/87124>

Mathematics in the Classroom: A Survey of Teachers' Opinions on the Use of Information and Communication Technologies (ICTs) in Teaching and Learning
DOI: 10.9734/arjom/2022/v18i530379

Reviewers:

- (1) Michel Plaisent, University of Quebec in Montreal, Canada.
- (2) Subramaniam Seshan Iyer, Datta Meghe Institute of Management Studies, India.
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- (4) M R Ramesh, Indira Gandhi Centre for Atomic Research, India.
- (5) Sudhanshu Aggarwal, National Post Graduate College, India.
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- (7) Dilshi Ishaan, United Arab Emirates.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/86583>

Cost Effective Analysis on Mathematical Modelling of HIV/AIDS with Optimal Control Strategy
DOI: 10.9734/arjom/2022/v18i630380

Reviewers:

- (1) Nathan Oigo Mokaya, Masinde Muliro University of Science and Technology, Kenya.
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- (4) Irshad Ullah, Pakistan.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/87031>

Modeling Addition of Dissimilar Fractions: Misconceptions of Pre-service Teachers
DOI: 10.9734/arjom/2022/v18i630381

Reviewers:

- (1) Ana Claudia Tenor, Brazil.
- (2) Cherry C. Favor, Southern Luzon State University, Philippines.
- (3) Monika Sharma, Gitarattan International Business School, India.

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- (2) H. Sudiyono, Republic of Indonesia.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/87270>

Clustering Coefficient of the Tensor Product of Graphs
DOI: 10.9734/arjom/2022/v18i630382

Reviewers:

- (1) Guoliang Zhao, Inner Mongolia University, China.
- (2) P. Karthiksankar, G.Venkataswamy Naidu College, India.
- (3) Rashid Jan, Xian Jiaotong University, China.

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- (2) Rochdi Jebari, University of Tunis El Manar, Tunisia.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/87064>

Containing SARS COV 2 (COVID 19) through Social Distancing
DOI: 10.9734/arjom/2022/v18i630383

Reviewers:

- (1) Zong Wang, Ningxia University, China.
- (2) Irshad Ullah, Abdul Wali Khan University Mardan, Pakistan.
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- (4) Abioye, Adesoye Idowu, University of Ilorin, Nigeria.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/84379>

Global Clustering Coefficient of the Products of Complete Graphs
DOI: 10.9734/arjom/2022/v18i630384

Reviewers:

- (1) Fengwei Li, Ningbo University of Finance & Economics, China.
- (2) Blajina Ovidiu, University Politehnica of Bucharest, Romania.
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Complete Peer review History: <https://www.sdiarticle5.com/review-history/87167>

Classification of Units of Five Radical Zero Completely Primary Finite Rings with Variant Orders of Second Galois Ring Module Generators
DOI: 10.9734/arjom/2022/v18i630385

Reviewers:

- (1) Bharti V. Nathwani, Amity School of Applied Sciences, Amity University, India.
- (2) P. Lokesh, Adhiparasakthi College of Engineering, India.
- (3) M. Felix Nes Mabel, St. Xavier's Catholic College of Engineering, India.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/83100>

Examining Factors Responsible for Students Poor Performance in Mathematics, from the Perspective of Teachers and Students at Asewewa Senior High School in the Upper Manyakrobo District
DOI: 10.9734/arjom/2022/v18i730386

Reviewers:

- (1) Belal Sadiq Rababh, University of Bahrain (UOB), Bahrain.
- (2) Fopoussi Tuebue Jean Christophe, Jesus and Mary Secondary High School, Cameroon.

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- (1) John Jasina, Claflin University, USA.
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Complete Peer review History: <https://www.sdiarticle5.com/review-history/87337>

Hidden Markov Model of Disease Progression and Control with Reference to COVID-19 Spread
DOI: 10.9734/arjom/2022/v18i730387

Reviewers:

- (1) Omaliko emeka leonard, Nnamdi Azikiwe University, Nigeria.
- (2) Rashid Jan, Xian Jiaotong University, China.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/87240>

Effects of Social Media in Controlling Tungiasis: Mathematical Model
DOI: 10.9734/arjom/2022/v18i730388

Reviewers:

- (1) Abboubakar Hamadjam, University of Ngaoundere, Cameroon.
- (2) Masoud Saravi, University of Shomal, Iran.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/87740>

Eliminate the Nonlinear Oscillations of the Modified duffing Equation by using the Nonlinear Integrated Positive Position Feedback
DOI: 10.9734/arjom/2022/v18i730389

Reviewers:

- (1) Tahmineh Azizi, Florida State University, USA.
- (2) Mohamed Gaith, Balqa Applied University, Jordan.
- (3) Qinghua Song, Shandong University, China.

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- (2) César Augusto Borges da Silva Reis, Technological Institute of Aeronautics, Brazil.
- (3) Tahmineh Azizi, Florida State University, USA.
- (4) S. Vidhya, Cauvery College For Women (Autonomous), India.
- (5) Xinye Li, Hebei University of Technology, P.R.China.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/87507>

On a Question of Constructing Möbius Transformations via Spheres and Rigid Motions
DOI: 10.9734/arjom/2022/v18i730390

Reviewers:

- (1) Yousef Methkal Abd Algani, The Arab Academic College for Education in Israel, Israel.
- (2) C. Saranya, Cauvery College for Women(Autonomous), India.
- (3) Tahmineh Azizi, Florida State University, USA.

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- (1) Hassan Kamil Jassim, University of Thi-Qar, Iraq.
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- (3) Patrick Akwasi Anamuah Mensah, St Ambrose College of Education, Ghana.
- (4) S. Vidhya, Cauvery College for Women (autonomous), INDIA.
- (5) M. Valliathal, Chikkaiah Naicker College, India.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/87430>

Application of Stacking-Based Ensemble Learning Model for Water Quality Prediction
DOI: 10.9734/arjom/2022/v18i730391

Reviewers:

- (1) Gabriel Gomes De Oliveira, UNICAMP, Brazil.
- (2) Prajoy Podder, BUET, Bangladesh.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/88061>

Exploring Concrete Teaching Strategies using the Mathematics Laboratory Method to Enhance Learner Achievements in Zambian Secondary Schools
DOI: 10.9734/arjom/2022/v18i830392

Reviewers:

- (1) Ivy H. Casupanan, President Ramon Magsaysay State University, Philippines.
- (2) Indah Suciati, Alkhairaat University, Indonesia.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/87883>

Calculus of Orthogonal Projectors
DOI: 10.9734/arjom/2022/v18i830394

Reviewers:

- (1) Suman Maity, Raja N. L. Khan Women's College (Autonomous), India.
- (2) Jerolina Fernandez, The Bhopal School of Social Sciences, India.

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- (1) Roland Mallier, University of Western Ontario, Canada.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/88638>

On the Restrained Cost Eective Sets of Some Special Classes of Graphs
DOI: 10.9734/arjom/2022/v18i830395

Reviewers:

- (1) V. Ananthaswamy, The Madura College (Autonomous), India.
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- (2) Onyedikachi O. John, Rhema University, Nigeria.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/88635>

Magnetohydrodynamic Jeffrey Nanofluid Flow Over a Vertical Sheet
DOI: 10.9734/arjom/2022/v18i830396

Reviewers:

- (1) Sahabi Zayyanu Yabo, Sokoto State University, Nigeria.
- (2) Gilbert Makanda, Central University of Technology, South Africa.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/88596>

Spectral Properties of Compact Operators
DOI: 10.9734/arjom/2022/v18i830397

Reviewers:

- (1) Sobhy El-Sayed Ibrahim, Benha University, Egypt.
- (2) Tahmineh Azizi, Florida State University, USA.

Additional Reviewers:

- (1) Sobhy El-sayed Ibrahim, Benha University, Egypt.
- (2) H. Mary Henrietta, Saveetha Engineering College, India.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/88546>

A 3-Person Non-Zero-Sum Game for Sachet Water Companies

Reviewers:

- (1) William P Fox, College of William and Mary, USA.
- (2) Basavarajiah DM, Karnataka Animal and Fisheries Sciences University, India.

Additional Reviewers:

- (1) Nabil Majd Alawi, University of Technology, Iraq.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/87562>

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Safe Sets in Some Graph Families
DOI: 10.9734/arjom/2022/v18i930399

Reviewers:

- (1) Sunoj B S, Government Polytechnic College, India.
- (2) Tahmineh Azizi, Florida State University, USA.

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(2) Ratinan Boonklurb, Chulalongkorn University, Thailand.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/88579>

On the Diophantine Equation $ab(cd + 1) + L = u^2 + v^2$
DOI: 10.9734/arjom/2022/v18i930402

Reviewers:

(1) Hassan Kamil Jassim, University of Thi-Qar, Iraq.

(2) Yonghong Liu, Wuhan University of Technology, China.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/88102>

Some Elementary Properties of Kurzweil-Henstock-Stieltjes Integral on \mathbb{R}^n
DOI: 10.9734/arjom/2022/v18i930403

Reviewers:

(1) Dorin Ghisa, Glendon College, York University, Canada.

(2) Tahmineh Azizi, Florida State University, USA.

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(1) Kaleem Ahmed Quraishi, Mewat Engineering College, India.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/88398>

Hinge Total Domination on Some Graph Families
DOI: 10.9734/arjom/2022/v18i930404

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(2) Tahmineh Azizi, Florida State University, USA.

(3) Pritpal Singh, Jagiellonian University, Poland.

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Complete Peer review History: <https://www.sdiarticle5.com/review-history/88540>

Boolean Subtraction and Division with Application in Blood Transfusion
DOI: 10.9734/arjom/2022/v18i930405

Reviewers:

(1) Raheel Muzzammel, University of Lahore, Pakistan.

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

Complete Peer review History: <https://www.sdiarticle5.com/review-history/87392>

A Study on Fixed Point Results for OWC Self-Maps on C-Metric Space
DOI: 10.9734/arjom/2022/v18i930406

Reviewers:

(1) Shrinath D. Manjarekar, L. V. H. ASC College, S. P. P. U, India.

(2) Tahmineh Azizi, Florida State University, USA.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/88770>

Structuring Wicked Problems in Nigeria: The Operations Research Approach
DOI: 10.9734/arjom/2022/v18i930407

Reviewers:

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(2) Lalit Mohan Upadhyaya, Municipal Post Graduate College, India.

(3) Sangeeta Garg, GL Bajaj Institute of Technology and Management, India.

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Complete Peer review History: <https://www.sdiarticle5.com/review-history/88211>

Some Fundamental Properties of Variational Kurzweil-Henstock-Stieltjes Integral on a Compact Interval in \mathbb{R}^n
DOI: 10.9734/arjom/2022/v18i930408

Reviewers:

(1) Fausto Jarquín Zárate, Universidad Autónoma de la Ciudad de México, México.

(2) Yongyi Gu, Guangdong University of Finance and Economics, China.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/88562>

Global Dynamics of Fractional-order Model for Malaria Disease Transmission
DOI: 10.9734/arjom/2022/v18i930409

Reviewers:

(1) Carmine Boniello, University of Salerno, Italy.

(2) Hamadjam Abboubakar, University Institute of Technology of Ngaoundéré, Cameroon.

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Complete Peer review History: <https://www.sdiarticle5.com/review-history/88271>

Eco-epidemiological Model Analysis of Pery-predator System
DOI: 10.9734/arjom/2022/v18i18930411

Reviewers:

(1) Oumar Drame, Cheikh Anta Diop University, Senegal.

(2) Rashid Jan, University of Swabi, Pakistan.

(3) Mohamed Saad Mahmoud, Suez Canal University, Egypt.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/89440>

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A Comparison of Implicit and Modified Implicit Finite Difference Schemes for Solving Parabolic Equations
DOI: 10.9734/arjom/2022/v18i1030413

Reviewers:

(1) Jun Liu, Pacific Northwest National Laboratory, USA.

(2) Pratibhamoy Das, Indian Institute of Technology Patna, India.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/81687>

A Generalized Topology from the Edge Set of Maximal Paths of Directed Graphs
DOI: 10.9734/arjom/2022/v18i1030414

Reviewers:

(1) Abdallah Mohammad Fadel Al-Husban, Irbid National University, Jordan.

(2) R. Udhayakumar, Vellore Institute of Technology, India.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/88849>

On the Simulation of Higher Order Linear Block Algorithm for Modelling Fourth Order Initial Value Problems
DOI: 10.9734/arjom/2022/v18i1030415

Reviewers:

(1) Roland Mallier, University of Western Ontario, Canada.

(2) Hilal Essaouini, Abdelmalek Essaadi University, Morocco.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/87915>

Quadratic Polynomial Velocity Profile in Laminar Boundary Layer Thickness
DOI: 10.9734/arjom/2022/v18i1030416

Reviewers:

(1) Roniere Leite Soares, Federal University of Campina Grande, Brazil.

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(1) Farshad Farahbod, Islamic Azad University, Iran.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/89456>

On Some Generalized Number Theoretic Functions and Ighachane-Akkouchi Holder's Inequalities
DOI: 10.9734/arjom/2022/v18i1030417

Reviewers:

(1) Dhirgam Allawy Hussein, Ministry of Education, Iraq.

(2) Sule Omeiza Bashiru, Prince Abubakar Audu University, Nigeria.

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Complete Peer review History: <https://www.sdiarticle5.com/review-history/90303>

Hierarchical Model-based Prediction on the Maximum Gap between Consecutive Primes below an Arbitrary Number
DOI: 10.9734/arjom/2022/v18i1030418

Reviewers:

(1) Manu Mitra, University of Bridgeport, USA.

(2) Suha Najeeb Shihab, University of Technology, Iraq.

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On Neutrosophic Z-algebras
DOI: 10.9734/arjom/2022/v18i1030419

Reviewers:

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- (5) Sobhy El-sayed Ibrahim, Benha University, Egypt.
- (6) Tahmineh Azizi, Florida State University, USA.
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- (8) Winfred Kaluki Musau, Catholic University of Eastern Africa, Kenya.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/90322>

Evaluating the Media Platforms, Devices and Challenges Associated with Online Teaching and Learning of Mathematics during the COVID-19 Pandemic
DOI: 10.9734/arjom/2022/v18i1030420

Reviewers:

- (1) Veeramanickam M.R.M, Chitkara University, India.
- (2) Anitha D, Thiagarajar College of Engineering, India.
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Complete Peer review History: <https://www.sdiarticle5.com/review-history/89695>

A Henstock Approach of the PUL-integra
DOI: 10.9734/arjom/2022/v18i1030421

Reviewers:

- (1) Tahmineh Azizi, Florida State University, USA.
- (2) Paryati, University Pembangunan National, Indonesia.

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- (1) Sobhy El-sayed Ibrahim, Benha University, Egypt.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/87707>

Analysis of a Cournot-Bertrand Duopoly Game with Differentiated Products: Stability, Bifurcation and Control
DOI: 10.9734/arjom/2022/v18i1030422

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- (1) Iman Malmir, Iran.
- (2) Hussin Jose Hejase, Al Maaref University, Lebanon.
- (3) K. Muthukumar, Bannari Amman Institute of Technology, India.
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- (2) Tahmineh Azizi, Florida State University, USA.
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Complete Peer review History: <https://www.sdiarticle5.com/review-history/91109>

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An Intrinsic Analysis of Human Brucellosis Dynamics in Africa
DOI: 10.9734/arjom/2022/v18i1030423

Reviewers:

- (1) Hamadjam Abboubakar, University Institute of Technology, Cameroon.
- (2) Biswadip Basu Mallik, Institute of Engineering & Management, India.
- (3) Basavarajiah, Karnataka Veterinary Animal and Fisheries Sciences University, India.
- (4) Nehal Shukla, Columbus State University, USA.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/90620>

Magic Polygons and Combinatorial Algorithms

DOI: 10.9734/arjom/2022/v18i1130424

Reviewers:

- (1) N. Krishnaraj, SRM Institute of Science and Technology, India.
- (2) Balaji. V, VIT University, India.
- (3) Caike Damiao Nascimento Silva, Universidade da Integração Internacional da Lusofonia Afro-Brasileira, Brazil.

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- (4) Siladitya Sen, Heritage Instt Of Technology, India.
- (5) Abdulkadir Baba Hassan, University of Abuja, Nigeria.
- (6) Isra Natheer Alkallak, University of Mosul, Iraq.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/91120>

Stability Analysis and Optimal Control of Endemic Malaria Disease Transmission Model with Cost-Effective Strategies

DOI: 10.9734/arjom/2022/v18i1130425

Reviewers:

- (1) Maihulla Anas Sani, Sokoto State University, Nigeria.
- (2) Oyeniyi Ridwan Babatunde, Federal Polytechnic, Nigeria.
- (3) Mohammed Mechee, University of Kufa, Iraq.
- (4) Mitali Routaray, KIIT University, India.

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- (1) G. Devipriya, Sri Krishna Adithya College of Arts and Science, Bharathiar University, India.
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Complete Peer review History: <https://www.sdiarticle5.com/review-history/90945>

Analysis of Generalization of a Problem of Vieta's Descend Method with Examples and Computing Support

DOI: 10.9734/arjom/2022/v18i1130426

Reviewers:

- (1) Abbas Jedariforoughi, Salus University, USA.
- (2) P. Karthiksankar, G. Venkataswamy Naidu College, India.
- (3) Xingsi Xue, Fujian University of Technology, China.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/91383>

On Continuity of Grill Topological Spaces VIA Regular Generalized G_w - Closed Sets

DOI: 10.9734/arjom/2022/v18i1130427

Reviewers:

- (1) Anjana Bhattacharyya, Victoria Institution (College), India.
- (2) Nita Tamang, University of North Bengal, India.
- (3) Tahmineh Azizi, Florida State University, USA.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/88413>

$(\alpha - \psi)$ Geraghty Contractions on Generalized Metric Spaces with Simulation Function

DOI: 10.9734/arjom/2022/v18i1130428

Reviewers:

- (1) Abdelbasset Felhi, Carthage University, Tunisia.
- (2) Ömür Umut, Bolu Abant İzzet Baysal University, Turkey.
- (3) David A. Oluyori, Ahmadu Bello University, Nigeria.

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- (1) Ghasem Soleimani Rad, IAU, Iran.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/91525>

The Existence of Periodic Solutions for a Two-Enterprise Interaction Model with Delays

DOI: 10.9734/arjom/2022/v18i1130429

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- (1) Mustafa Hasan Hadi, University of Babylon, Iraq.
- (2) Ahmed A. Hamoud, Taiz University, Yemen.

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- (3) Suha Najeeb Shihab, University of Technology, Iraq.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/91659>

On the Comparison of Adam-Bashforth and Adam Moulton Methods for Non-Stiff Differential Equations

DOI: 10.9734/arjom/2022/v18i1130430

Reviewers:

- (1) Onu Obineke Henry, Ignatius Ajuru University of Education, Nigeria.
- (2) Hassan Kamil Jassim, University of Thi-Qar, Iraq.
- (3) Ahmed A. Hamoud, Taiz University, Yemen.

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- (3) Abeer Majeed Jasim, University of Basrah, Iraq.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/90120>

Contemporary Preservice Mathematics Teachers' Technological Pedagogical Content Knowledge Levels in Perspective: Self-reported Survey
DOI: 10.9734/arjom/2022/v18i1130431**Reviewers:**

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- (2) Dejene Girma Denbel, Dilla University, Ethiopia.
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- (5) Robert Kati, Kibabii University, Kenya.
- (6) Sulaiman Adamu Mayanchi, Zamfara State College of Education, Nigeria.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/91669>

A Hybrid Optimization Model for Vehicle Routing Problem, a Case Study at Zoomlion Ghana Limited, Shama District
DOI: 10.9734/arjom/2022/v18i1130432**Reviewers:**

- (1) Alaa Hassan Noreldeen, Aswan University, Egypt.
- (2) Uchenna E. Michael, Alex Ekwueme Federal University, Nigeria.
- (3) Louis Omenyi, Alex Ekwueme Federal University, Nigeria.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/88541>

Common Fixed Point Theorems for Four Weakly Compatible Self Maps Along with (CLR) Property in Fuzzy 2-Metric Spaces
DOI: 10.9734/arjom/2022/v18i1130433**Reviewers:**

- (1) Sobhy El-Sayed Ibrahim, Benha University, Egypt.
- (2) M. Asadi, Islamic Azad University, Iran.
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- (2) Said Beloul, El Oued University, Algeria.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/91542>

Laplace Transforms Method on a System of Differential Equations for Non-isothermal Chemically Reactive Flow
DOI: 10.9734/arjom/2022/v18i1130434**Reviewers:**

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- (2) Francisco Bulnes, Mexico.
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Complete Peer review History: <https://www.sdiarticle5.com/review-history/91721>

General Parameters Estimation in the Presence of Nonresponse Using Difference-cum Exponential Estimators
DOI: 10.9734/arjom/2022/v18i1130435**Reviewers:**

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- (3) Georgios Manousakis, University of Patras, Greece.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/91322>

Numerical Solution of Nonlinear Equations by a Twelfth-Order Iterative Method with Memory
DOI: 10.9734/arjom/2022/v18i11596

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- (1) Gabriel Gomes De Oliveira, UNICAMP, Brazil.
- (2) Rashid Nawaz, Abdul Wali Khan University Mardan, Pakistan.

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- (1) Ahmed Farooq Qasim, University of Mosul, Iraq.
- (2) J. P. Jaiswal, Guru Ghasidas Vishwavidyalaya, India.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/90742>

Mathematical Model on the Dynamics of Bacterial Blight of Rice in the Presence of Lysobacter antibioticus Considering Introduction at Different Stages
DOI: 10.9734/arjom/2022/v18i11597

Reviewers:

- (1) Mohd Yunus Shukor, University Putra Malaysia, Malaysia.
- (2) Ahmed A. Hamoud, Taiz University, Yemen.
- (3) David Jaures Fotsa-Mbogne, The University of Ngaoundere, Cameroon.

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- (2) Sobhy El-sayed Ibrahim, Benha University, Egypt.
- (3) Tahmineh Azizi, Florida State University, USA.
- (4) Vimlesh, Shri Ramswaroop Memorial University, India.
- (5) Winfred Kaluki Musau, Catholic University of Eastern Africa, Kenya.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/91948>

A Mathematical Model Approach for Prevention and Intervention Measures of the COVID-19 Pandemic in Uganda
DOI: 10.9734/arjom/2022/v18i11598

Reviewers:

- (1) Jerome Pousin, Université de Lyon, France.
- (2) Tahmineh Azizi, Florida State University, USA.
- (3) Mojeeb Alrahman Elnor Osman Elhaj, International University of Africa, Sudan.
- (4) Sobhy El-Sayed Ibrahim, Benha University, Egypt.
- (5) Bassey Echeng Bassey, University of Cross River State, Nigeria.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/88978>

Propagation Speed of the Frontal Head Through Lock-Exchange Density Current in Cold Fresh Water: Simulations without the Effect of Back-reflected Waves
DOI: 10.9734/arjom/2022/v18i11599

Reviewers:

- (1) Bunonyo Wilcox Kubugha, Federal University Otuoke, Nigeria.
- (2) Ali Habeeb Askar, University of Technology, Iraq.
- (3) Ziad Shakeeb Al Sarraf, University of Mosul, Iraq.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/92224>

Fixed Point Theorems for Mappings Satisfying Implicit Relation in Partial Metric Spaces
DOI: 10.9734/arjom/2022/v18i11600

Reviewers:

- (1) Neena Vijaywargi, Truba Institute of Engineering and Information Technology, India.
- (2) Patriciu Alina-Mihaela, Dunarea de Jos University of Galati, Romania.
- (3) D Pawan Kumar, Maitreyi College, University of Delhi, India.
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- (5) Bhawna Somani, Devi Ahilya University, India.

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- (3) S. S. Pagey, Institute for Excellence in Higher Education, India.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/92349>

Application of the Some Blaise Abbo (SBA) Method to Solving the Time-fractional Schrödinger Equation and Comparison with the Homotopy Perturbation Method
DOI: 10.9734/arjom/2022/v18i11601

Reviewers:

- (1) Roland Mallier, University of Western Ontario, Canada.
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- (1) Ahmed A. Hamoud, Taiz University, Yemen.
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- (5) Peter Chen, University of New South Wales, Australia.
- (6) Rachid Messaoudi, University Mohammed 1st of Oujda, Morocco.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/92257>

Factors Predicting the Mathematics Performance of Grade 8 Students in the New Normal
DOI: 10.9734/arjom/2022/v18i11602

Reviewers:

- (1) Ricardo Marcão, Portugal.
- (2) Ashrafoalsadat Shekarbaghani, Research Institute of Education Studies, Organization for Educational Research and Planning, Iran.
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- (4) Lendina, Fazl Ali College, India.
- (5) Ricardo Marcão, Portugal.
- (6) Rosane Malvestiti, Federal University of Santa Catarina, Brazil.
- (7) Sintayehu Leshe Kitaw, Debre Markos University, Ethiopia.
- (8) Zaid Yacoub Mousa Abu-Bajeh, Management and Science University, Malaysia.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/92817>

On the Computation of the Minimum Polynomial and Applications
DOI: 10.9734/arjom/2022/v18i11603

Reviewers:

- (1) K. Somaiah, Kakatiya University, India.
- (2) Jogendra Kumar, DIT University, India.
- (3) Vinod Kumar, Om Sterling Global University, India.

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- (2) Ashish, Government College Satnali, India.
- (3) Briji Jacob Chathely, Wilson College, India.
- (4) Monika Swami, Maharshi Dayanand University, India.
- (5) Padi Jyostna, M N Degree College, India.
- (6) Shpetim Rexhepi, Mother Teresa University, India.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/92844>

The Effect of Inquiry-based Learning on Senior High School Students' Achievement in Plane Geometry: Pre-test-Post-test Randomized Experimental Design
DOI: 10.9734/arjom/2022/v18i11604

Reviewers:

- (1) A K M Obaydullah, Bangladesh.
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- (2) Martins Segun Jayeoba, Nigeria.
- (3) M. Navaneetha, College of Nursing, India.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/93128>

Non-commutativity Over Canonical Suspension η for Genus $g \geq 1$ in Hypercomplex Structures for Potential $\rho\phi$
DOI: 10.9734/arjom/2022/v18i11607

Reviewers:

- (1) R Muthucumaraswamy, Sri Venkateswara College of Engineering, India.
- (2) M Mohamed Sirajudeen, Nilgiri College of Arts and Science, India.
- (3) Tony Spiteri Staines, University of Malta, Malta.

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- (2) Fabiano F. Santos, Rio de Janeiro Federal University, Brazil.

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Complete Peer review History: <https://www.sdiarticle5.com/review-history/92716>

Asymptotic Expansions Related to the Wallis Ratio Based on the Bell Polynomials
DOI: 10.9734/arjom/2022/v18i11608

Reviewers:

- (1) Suha Najeeb Shihab, University of Technology, Iraq.
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- (2) Antonio Aguirre, Universidad Nacional del Centro, Argentina.

Complete Peer review History: <https://www.sdiarticle5.com/review-history/92827>

A Game-Theoretic Credit Period and Promotion Model in a Supplier-Retailer Channel
DOI: 10.9734/arjom/2022/v18i11609

Reviewers:

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