



PONNAIYAH RAMAJAYAM INSTITUTE OF SCIENCE & TECHNOLOGY (PRIST)

Declared as DEEMED-TO-BE-UNIVERSITY
U/s 3 of UGC Act, 1956

Metric No.: 3.4.4

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

Total Number of Papers published during the last five years: 1247

Number of faculty during the last five years: 340

Response: 3.67

| | Number of research papers published in the Journals as notified on UGC CARE list during the last five years | | | | | |
|------------------|--|------|------|------|------|------|
| Calendar Year | 2023 | 2022 | 2021 | 2020 | 2019 | 2018 |
| Number of Papers | 76 | 55 | 55 | 69 | 71 | 921 |
| | Click Here | | | | | |

| S.No | Authors | Title | Year | Source title | Volume | Issue | Page coun | Cited by | Link | Affiliations | Document | Source |
|------|---|---|------|---|--------|-------|-----------|----------|---|---|------------------|--------|
| 1 | Rashid Khan M.; Omar Alafaleq N.; Kumar Ramu A.; Alhosaini K. | Evaluation of biogenically synthesized MgO NPs anticancer activity against breast cancer cells | 2024 | Saudi Journal of Biological Sciences | 31 | 1 | | 8 | https://www.scopus.com | Department of Chemistry | Article | Scopus |
| 2 | Sebastian K.; Devi S. | Detecting Lung Nodules Based on Deep Learning with Automatic Segmentation | 2023 | 2023 1st International Conference on Advances in Electrical, Electronics and Computational Intelligence, ICAEECI 2023 | | | | 0 | https://www.scopus.com | PRIST Deemed to be University | Conference Paper | Scopus |
| 3 | Ramachandira P.; Veeramani T. | Characterization of IcaB protein Poly-Nacetylglucosamine (dPNAG) De-N-acetylase involved in Staphylococcus epidermidis biofilm formation | 2023 | Research Journal of Biotechnology | 18 | 7 | 3 | 0 | https://www.scopus.com | Department of Microbiology | Article | Scopus |
| 4 | Maniavannan M.; Parthiban P.; Ilayaraja P.; Rathinavel J. | GC-MS validation of the organic ionic impurity tetra-n-butylammonium bromide in Tenecligiptin | 2023 | Journal of Applied Pharmaceutical Science | 13 | 7 | 5 | 1 | https://www.scopus.com | Department of Pharmacy | Article | Scopus |
| 5 | Murugesan R.; Vasuki K.; Ramadevi S.; Kaleeswaran B. | Rosmarinic acid: Potential antiviral agent against dengue virus - In silico evaluation | 2024 | Intelligent Pharmacy | 2 | 4 | 11 | 3 | https://www.scopus.com | Research Centre for Pharmacy | Article | Scopus |
| 6 | Senthilkumar K.; Vijayalakshmi A.; Jagadeesan M.; Somasundaram S. | Preparation of self-preserving personal care cosmetic products using multifunctional ingredients and other cosmetic ingredients | 2024 | Scientific Reports | 14 | 1 | | 0 | https://www.scopus.com | Department of Chemistry | Article | Scopus |
| 7 | Sophiya A.; Subramanian S. | Fuzzy Relation Properties and Fuzzy Composition Deep Explain with RTAs | 2024 | Advances in Nonlinear Variational Inequalities | 27 | 2 | 7 | 0 | https://www.scopus.com | Department of Mathematics | Article | Scopus |
| 8 | Dhanasekaran S.; Shanker N.R. | Anemia Detection using a Deep Learning Algorithm by Palm Images | 2023 | International Journal on Recent and Innovation Trends in Computing and Communication | 11 | 7 s | 10 | 0 | https://www.scopus.com | Department of Electronics and Communication Engineering | Article | Scopus |
| 9 | Chougule P.; Koumaravelou K.; Chougule N. | Extraction, Isolation, Characterisation and Pharmacological Investigations of Beta Escin from Horse Chest Nut Seed Extract | 2023 | International Journal of Pharmaceutical Quality Assurance | 14 | 4 | 9 | 1 | https://www.scopus.com | Department of Pharmacy | Article | Scopus |
| 10 | Zughaibi T.A.; Jabir N.R.; Khan A.U.; Khan M.S.; Tabrez S. | Screening of Cu4O3 NPs efficacy and its anticancer potential against cervical cancer | 2023 | Cell Biochemistry and Function | 41 | 8 | 13 | 12 | https://www.scopus.com | King Fahd University of Petroleum & Minerals | Article | Scopus |
| 11 | Adaikala Sundari J.J.; Preethi G. | Energizing Firefly Optimization-Inspired Routing Protocol (EFOIRP) for Performance Enhancement in IOT-Based Cloud Wireless Sensor Networks (IC-WSN) | 2024 | International Journal of Computer Networks and Applications | 11 | 2 | 18 | 0 | https://www.scopus.com | Department of Computer Science | Article | Scopus |
| 12 | Olikkavi K.; Vennila L.; Subashchandrabose S.; Sutharsan P.; Sridharan S. | Synthesis and characterization of poly indole-iron oxide nanoparticles for biomedical applications | 2024 | Inorganic Chemistry Communications | 161 | | | 0 | https://www.scopus.com | Department of Chemistry | Article | Scopus |
| 13 | Venkatarao Y.; Parthiban P. | SYNTHESIS, CHARACTERIZATION AND ANTIOXIDANT SCREENING OF 5-[[[(E)-(2-HYDROXYPHENYL) METHYLIDENE]AMINO]-2-BENZOFURAN-1(3H)-ONE AND ITS METAL COMPLEX | 2023 | Rasayan Journal of Chemistry | 16 | 3 | 5 | 0 | https://www.scopus.com | Department of Chemistry | Article | Scopus |
| 14 | Prabhu N.; Saravanan D.; Kumarasamy S. | Eco-friendly drying techniques: a comparison of solar, biomass, and hybrid dryers | 2023 | Environmental Science and Pollution Research | 30 | 42 | 19 | 7 | https://www.scopus.com | Energy Research Centre | Review | Scopus |
| 15 | Nilavu B.; Das A.; Sathya R.; Mahalakshmi N. | RICE-MILL WASTEWATER TREATMENT USING MICROBIAL ELECTROLYTIC CELL (MEC): QUALITY CHARACTERIZATION AND PERFORMANCE ASSESSMENT | 2024 | Rasayan Journal of Chemistry | 17 | 2 | 5 | 0 | https://www.scopus.com | Centre for Environmental Science | Article | Scopus |
| 16 | Divya R.; Subramanian S. | Fuzzy Soft Intuitionistic Matrix in Vitiligo | 2024 | Advances in Nonlinear Variational Inequalities | 27 | 3 | 8 | 0 | https://www.scopus.com | Department of Mathematics | Article | Scopus |
| 17 | Prasad P.; Jaber M.; Alahmadi T.A.; Almoallim H.S.; Ramu A.K. | Solanine Inhibits Proliferation and Angiogenesis and Induces Apoptosis through Modulation of EGFR Signaling in KB-ChR-8 5 Multidrug-Resistant Oral Cancer Cells | 2024 | Journal of Clinical Medicine | 13 | 15 | | 0 | https://www.scopus.com | Medical and Health Sciences | Article | Scopus |
| 18 | Senthilraj S.; Shanker N.R. | A Condition Monitoring System for Electric Vehicle Batteries Based on a Convolutional Neural Network Using Thermal Image | 2023 | International Journal on Recent and Innovation Trends in Computing and Communication | 11 | 6 | 10 | 0 | https://www.scopus.com | Department of Electronics and Communication Engineering | Article | Scopus |
| 19 | Sickory Daisy S.J.; Begum A.R. | Email Spam Behavioral Sieving Technique using Hybrid Algorithm | 2023 | 7th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2023 - Proceedings | | | 6 | 2 | https://www.scopus.com | Prist Deemed to be University | Conference Paper | Scopus |
| 20 | Kumar Madugula A.; Kiran B.; Suresh Varma Dendukuri B.N.; Kiran B. | Synthesis, characterization, and evaluation of antioxidant, antimicrobial and drug likeness properties of indole containing 1,3,4-oxadiazoles | 2024 | Results in Chemistry | 9 | | | 0 | https://www.scopus.com | Centre for Research in Chemistry | Article | Scopus |

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| 21 | Das A.; Parthiban P. | Environmental sustainability assessment of captive conventional sewage treatment plant designs | 2023 | International Journal of Environmental Science and Technology | 20 | 10 | 13 | 2 | https://www.scopus.com | Centre for | Article | Scopus | |
| 22 | Madugula A.K.; Jagadeesh K.; Varma D.B.N.S.; Kadiyala K.G.; Pe | A New Series of Indole and Azaindole Derivatives with Oxodihydropyridines: Synthesis, Characterization and Cytotoxicity Studies against Breast Malignant Cell Lines | 2024 | Asian Journal of Chemistry | 36 | 3 | 7 | 0 | https://www.scopus.com | Centre for | Article | Scopus | |
| 23 | Kanagaraj M.; Babu S.; Jegan Mohan S.R.; Christy T.V. | The evaluation of friction and wear performances of commercial automotive brake friction polymer composites | 2023 | Industrial Lubrication and Tribology | 75 | 3 | 5 | 4 | https://www.scopus.com | Department | Article | Scopus | |
| 24 | Mohajer S.; Taha R.M.; Hajivand S.; Pirkhezri M.; Ahmed A.B.A. | Transient Gene Expression in Molecular Farming and Functional Genomics of Tea (Camellia sinensis): A Review | 2023 | Journal of Plant Growth Regulation | 42 | 7 | 19 | 0 | https://www.scopus.com | Department | Review | Scopus | |
| 25 | Ponmani P.; Bahadur J.; Tewari C.; Gupta D.K.; Kalita U.; Jegade | Polyaniline modified waste-derived graphene/sulfur nanocomposite cathode for lithium-sulfur batteries | 2023 | Journal of Polymer Science | 61 | 18 | 13 | 2 | https://www.scopus.com | Research a | Article | Scopus | |
| 26 | Sathya R.; Varghese R.; Arasu M.V.; Csaba V.; Kumar P.; Dubey | Agro-food industrial residues into enzymes and other products using solid-state fermentation | 2023 | Microbial Oxidative Enzymes: Biotechnological Applications | | | | 19 | 0 | https://www.scopus.com | Department | Book chap | Scopus |
| 27 | Padmanaban P.; Parthiban P.; Mahesh R.; Sivanantham M.; Nil | Parametric Optimization and performance assessment of polyaniline graphene-impregnated electrode-based low-cost Microbial Fuel Cell using mixed culture obtained from Canteen wastewater | 2023 | Research Journal of Chemistry and Environment | 27 | 6 | 7 | 1 | https://www.scopus.com | Department | Article | Scopus | |
| 28 | Manivannan M.; Parthiban P.; Ilayaraja P. | A CAPILLARY GC-MS ANALYSIS OF RESIDUAL ETHANESULFONATES IN TENELIGLIPTIN | 2023 | Rasayan Journal of Chemistry | 16 | 2 | 6 | 0 | https://www.scopus.com | Department | Article | Scopus | |
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| 30 | Shanthi K.; Maruthi R. | Machine Learning Approach for Anomaly-Based Intrusion Detection Systems Using Isolation Forest Model and Support Vector Machine | 2023 | Proceedings of the 5th International Conference on Inventive Research in Computing Applications, ICIRCA 2023 | | | | 3 | 4 | https://www.scopus.com | Ponnaiyah | Conferenc | Scopus |
| 31 | Parthiban P.; Ilayaraja P. | Stereochemical Analysis of an Azabicyclic by Single-crystal XRD | 2023 | AIP Conference Proceedings | 2901 | 1 | | 0 | https://www.scopus.com | Department | Conferenc | Scopus | |
| 32 | Keerthika N.; Nithyanandam S. | An Efficient Filter and Wrapper based Selection Methods along With Random Forest and Support Vector Machines Classification Technique in Health Care System | 2023 | Journal of Machine and Computing | 3 | 4 | 15 | 1 | https://www.scopus.com | Department | Article | Scopus | |
| 33 | Balan V.K.; Avirajamanjula P. | Extended driving range control strategy for hybrid electric vehicle | 2023 | AIP Conference Proceedings | 2427 | | | 0 | https://www.scopus.com | Department | Conferenc | Scopus | |
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| 35 | Azeez S.; Sathiyaseelan A.; Jeyaraj E.R.; Saravanakumar K.; War | Extraction of Chitosan with Different Physicochemical Properties from Cunninghamella echinulata (Thaxter) Thaxter for Biological Applications | 2023 | Applied Biochemistry and Biotechnology | 195 | 6 | 13 | 7 | https://www.scopus.com | Centre for | Article | Scopus | |
| 36 | Sophiya A.; Subramanian S. | An Application on Fuzzy Relation Using in Difficult Problem Solved | 2024 | Advances in Nonlinear Variational Inequalities | 27 | 2 | 8 | 0 | https://www.scopus.com | Department | Article | Scopus | |
| 37 | Sathya R.; Arasu M.V.; Choi K.C.; Ilavenil S.; Rejiniemon T.S.; Vij | Perspectives of microbial enzyme biocatalyst in food industries | 2023 | Microbial Oxidative Enzymes: Biotechnological Applications | | | | 22 | 0 | https://www.scopus.com | Department | Book chap | Scopus |
| 38 | Govindhan P.; Prabhu N.V.; Edison Chandraseelan R.; Dharmen | Technologies of bio-diesel production: a state of the art review | 2024 | Petroleum Science and Technology | 42 | 3 | 17 | 8 | https://www.scopus.com | Department | Review | Scopus | |
| 39 | Sebastian K.; Devi S. | DETECTION AND EVALUATION OF LUNG CANCER IN CT SCAN IMAGES USING TWO CONVOLUTIONAL NEURAL NETWORK ARCHITECTURES | 2023 | Journal of the Balkan Tribological Association | 29 | 5 | 14 | 5 | https://www.scopus.com | Department | Article | Scopus | |
| 40 | Ganesh T.; Vinoth K.; Seshadri S.; Senthilkumar P.; Maria Sylves | Correlation of relaxation processes by BDS: Calorimetric, spectral findings and molecular dynamics of active side chain amino acids in hydrated medium | 2024 | Journal of Molecular Liquids | 408 | | | 0 | https://www.scopus.com | PG & Rese | Article | Scopus | |
| 41 | Senthilkumar P.; Saravanakannan V.; MariaSylvester M.; Vinoth | Investigation on interaction of quinoline with primary alcohols: An understanding on dielectric dispersion and relaxation dynamics over a wide frequency regime | 2023 | Journal of Molecular Liquids | 372 | | | 5 | https://www.scopus.com | Department | Article | Scopus | |

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| 42 | Ilayaraja P.; Manivannan M.; Parthiban P. | Novel stability indicating HPLC method for the quantification of Nirmatrevir in bulk drugs | 2024 | Microchemical Journal | 196 | | | | 0 | https://www.scopus.com | Department | Article | Scopus |
| 43 | Chougule P.N.; Koumaravelou K.; Chougule N.B. | Horse Chestnut Seed Extract: An Opportunity for Creating Evidence-based New Natural Products | 2023 | International Journal of Pharmaceutical Quality Assurance | 14 | 2 | 10 | 0 | https://www.scopus.com | Department | Review | Scopus | |
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| 45 | Jabir N.R.; Mahboob A.; Suhail M.; Khan M.S.; Arshad M.; Tabrez | Anticancer potential of Cu4O3 NPs against human ovarian teratocarcinoma: an in-vitro validation | 2024 | Chemical Papers | 78 | 5 | 10 | 0 | https://www.scopus.com | Department | Article | Scopus | |
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| 49 | Sugam V.; Parthiban P.; Ravikumar K.; Das I.C.; Ashutosh D. | Steady-state Assessment of Hydraulic Potential at Water Scarce regions of Agniyar River Basin, India using GMS-MODFLOW | 2023 | Disaster Advances | 16 | 5 | 5 | 1 | https://www.scopus.com | Centre for | Article | Scopus | |
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| 52 | Narayanan M.; Gothandapani A.; Venugopalan R.; Rethinam M.; | Antioxidant and anticancer potential of ethyl acetate extract of bark and flower of Tecoma stans (Linn) and In Silico studies on phytoligands against Bcl 2 and VEGFR2 factors | 2023 | Environmental Research | 231 | | | 3 | https://www.scopus.com | Division of | Article | Scopus | |
| 53 | Murugan M.; Dineshkumar G.; Dirisala A.; Jegadeesan P.; Ganes | Nanoarchitectonics of mesoporous carbon spheres by tuning the weight ratio of PEG-PCL block copolymer as template and phenol as carbon source towards supercapacitor applications | 2024 | Journal of Materials Science: Materials in Electronics | 35 | 3 | | 1 | https://www.scopus.com | Research a | Article | Scopus | |
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| 62 | Anusiya M.; Usha A. | Facebook Addiction: Advanced Vogel's Approximation Method of Unbalanced Fuzzy Transportation Problems | 2024 | Advances in Nonlinear Variational Inequalities | 27 | 3 | 6 | 0 | https://www.scopus.com | Department | Article | Scopus |
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| 65 | Daisy S.J.S.; Begum A.R. | EMAIL SPAM BEHAVIOUR SEIVING TECHNIQUE USING HYBRID ALGORITHM | 2023 | Journal of the Balkan Tribological Association | 29 | 5 | 12 | 0 | https://www.scopus.com | PRIST Deem | Article | Scopus |
| 66 | Khan M.S.; Khan Z.; Jabir N.R.; Mehan S.; Suhail M.; Zaidi S.K.; Z | Synthesis and Neurobehavioral Evaluation of a Potent Multitargeted Inhibitor for the Treatment of Alzheimer's Disease | 2024 | Molecular Neurobiology | | | | 0 | https://www.scopus.com | Department | Article | Scopus |
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| 69 | Gautam P.; Pitchaimuthu S. | Evaluation of Aegelin content in Baet Patra (Aegle marmelos): An Ayurvedic Medicinal Herb | 2023 | Research Journal of Chemistry and Environment | 27 | 3 | 5 | 1 | https://www.scopus.com | Department | Article | Scopus |
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