

PUBLICATION BY FACULTY MEMBERS
ACADEMIC SESSION (2021-2022)

BOTANY

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| Research Papers | <ol style="list-style-type: none">1. Pragma, Sharma, K. K., Kumar, A., Singh, D., Kumar, V., & Singh, B. (2021). Immobilized phytases: an overview of different strategies, support material, and their applications in improving food and feed nutrition. <i>Critical Reviews in Food Science and Nutrition</i>, 1-23.2. Kumar V and Babu CR (2022) Phenotypic Responses of Some Functional Traits in Four Native Perennial Grass Species Grown on Fly Ash Dump and Native Soil. <i>Front. Plant Sci.</i> 13:805568. https://doi.org/10.3389/fpls.2022.8055683. Kumar, V., Jolli, V., & Babu, C. R. (2022). Landuse Patterns, Air Quality and Bird Diversity in Urban Landscapes of Delhi. <i>Zoodiversity</i>, 56(1). https://doi.org/10.15407/zoo2022.01.0394. Umer aqoob, Nelofer Jan, Prabhavathi Venkat Raman, Kadambot H. M Siddique, Riffat John (2022) Crosstalk between Brassinosteroid Signaling, ROS signaling and Phenylpropanoid Pathway during Abiotic Stress in Plants: Does it exist? <i>Plant Stress</i> 4 (100075), Elsevier, https://doi.org/10.1016/j.stress.2022.100075, journal homepage: www.sciencedirect.com/journal/plant-stress ISSN: 2667-064X5. Rashmi Wardhan, Prabhavathi, Nupur Mondal (2021) Molecular Cloning, 'in silico' Analysis and Characterization of L-asparaginase gene from <i>Alcaligenes faecalis</i>. ISSN 0970-3586 Available Online at - www.connectjournals.com, <i>Ad. Plant Sci.</i> 34 (I - II) 83 – 90. June-December. Home Page: www.connectjournals.com/aps. ISSN 0970-35866. Prabhavathi, Kiran Bamel, Nupur Mondal and Pooja (2021) Sustainable energy: a solution to climate change. <i>Eco. Env. & Cons.</i> 27 (4), pp. (1978-1984) ISSN 0971– 765X7. Prabhavathi, Kiran Bamel, Nupur Mondal and Pooja. 2021. Sustainable energy: a solution to climate change. <i>Ecology, Environment and Conservation</i> (ISSN: 0971765X) 27 (4):525-531 |
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| | <p>8. Neetu Rani, Kiran Bamel, Abhinav Shukla and Nandini Singh. 2022, Analysis of Five Mathematical Models for Crop Yield Prediction. South Asian Journal of Experimental Biology (eISSN: 2230-9799) 12(1): 46-54</p> <p>9. Neetu Kumari, Kiran Bamel, Prabhavathi, Roopali Pandey, Seema Talwar (2022) Corona Virus and Mucormycosis: Indications and Treatment Methodology of Dark Growth in COVID-19 Patients. South Asian J Exp Bio. ISSN: 2230-9799 Vol. 12, Issue 1 Page 64-72 http://www.sajeb.org</p> <p>10. Devender Singh Meena and Utkarsha Rathi (2021) Solanum diphyllum L. (Solanaceae) a new record to the flora of Rajasthan, India. Indian Forester 147 (7): 689. (NAAS Score 2021: 5.10)</p> |
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BIOCHEMISTRY

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| <p>Research Papers</p> | <ol style="list-style-type: none"> Chandra A, Malik P, Singh S, Roy A, Sahoo N. and Singh M. (2022), Sustainable research methodology for potassium nitrate recovery from seawater. Chemical Engineering and Processing – Process Intensification, 174, 108870. Garima, Prem R, Yadav U and Sundd M. (2021) A GX2GX3G motif facilitates acyl chain sequestration by Saccharomyces cerevisiae acyl carrier protein. Journal of Biological Chemistry (DOI: https://doi.org/10.1016/j.jbc.2021.101394) Ravi R, Mishra A. Preparation of Iron Nanoparticles and Composites for Arsenic Removal: an Updated Review. Biosc. Biotech. Res. Comm. 2021;14(1). Ravi R, Khan A. M, Mishra A. Biomedical Properties of Metal Nanoparticles for Cancer Therapeutics and Management. Biosc. Biotech. Res. Comm. 2020;13(4). |
| <p>Chapters in a Book</p> | <ol style="list-style-type: none"> Dr. Sunita Singh; Chief Editor of Women Development Cell's Coffee Table Book- Manaswini 2021, ISBN: 978-81-954354-2-5 published by Color Edge, New Delhi. |

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| | <ol style="list-style-type: none"> 2. Dr. Usha Yadav; Editorial board member of Women Development Cell, Shivaji College, Coffee table Book- Manaswini 2021, ISBN: 978-81-954354-2-5 published by Color Edge, New Delhi, Released on September 3, 2021. 3. Dr. Usha Yadav; “Digital Educators: Keeping knowledge alive during pandemic” in Women Development Cell, Shivaji College, Coffee table Book- Manaswini 2021, ISBN: 978-81-954354-2-5 published by Color Edge, New Delhi |
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CHEMISTRY

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| <p>Research Papers</p> | <ol style="list-style-type: none"> 1. D. Kumar, M.K. Meena, K. Kumari, R.V. Kumar, I. Bahadur P. Jain & P. Singh (2021). Exploring the effect of temperature on inhibition of non-structural protease 3 of Chikungunya virus using molecular dynamics simulations and thermodynamics parameters. Journal of Molecular Liquids pp 116164. 2. Effect of Soil pH on Germination and Growth of Triticum aestivum and Zea mays. Conference Proceedings of Virtual Conference on Chemistry and its Applications P-173. ISBN: 978-999-99949-783-0 3. Siddhartha Dan, Deeksha Sharma, Kartikey Rastogi, Shaloo, Himanshu Ojha, Mallika Pathak & Rahul Singhal (2022). Therapeutic and Diagnostic Applications of Nanocomposites in the Treatment Alzheimer’s Disease Studies. Biointerface Research in Applied Chemistry Vol. 12, pp 940-960. 4. Afreen Jahan Rahman, Lajpreet Kaur, Mallika Pathak, Anju Singh, Piyush Verma, Rahul Singhal, Vinod Kumar & Himanshu Ojha (2021). Spectroscopic studies of binding interactions of 2-chloroethylphenyl sulphide with bovine serum albumin. Journal of Molecular Liquids Vol. 340, pp 117144. 5. Effect of Soil pH on Germination and Growth of Triticum aestivum and Zea mays. Conference Proceedings of Virtual Conference on Chemistry and its Applications P-173. ISBN: 978-999-99949-783-0 6. Abhishek Verma, Parveen Gahlyan, Rashim Bawa, Soumya Ranjan Dash, Ashok K. Prasad and Rakesh Kumar (2021). Glycerol-Triazole Conjugated Rhodamine as Colorimetric and |
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| | <p>Fluorimetric Sensor for Cu²⁺. ChemistrySelect Vol. 6, pp 9288-9292.</p> <ol style="list-style-type: none"> 7. Sahajpal, K., Sharma, S., Shekhar, S., Kumar, A., Meena, M. K., Bhagi, A. K., & Sharma, B. (2022). Dynamic Protein and Polypeptide Hydrogels Based on Schiff Base Coassembly for Biomedicine. <i>Journal of Materials Chemistry B</i>. 8. Sharma, B., Garg, M., Chopra, R., & Sadhu, S. D. Edible Packaging of Liquid Foods 24. <i>Edible Food Packaging: Applications, Innovations and Sustainability</i>, 461. 9. Sharma, S., Sharma, B., Shekhar, S., & Jain, P. (2022). Natural Polymer-Based Composite Wound Dressings. In <i>Polymeric and Natural Composites</i> (pp. 401-423). Springer, Cham. 10. Shekhar, S., Sharma, S., Kumar, A., Taneja, A., & Sharma, B. (2021). The framework of nanopesticides: a paradigm in biodiversity. <i>Materials Advances</i>, 2(20), 6569-6588. 11. Sharma, B., Goswami, Y., Sharma, S., & Shekhar, S. (2021). Inherent roadmap of conversion of plastic waste into energy and its life cycle assessment: a frontrunner compendium. <i>Renewable and Sustainable Energy Reviews</i>, 146, 111070. 12. Sharma, B., Sandilya, A., Patel, U., Shukla, A., & Sadhu, S. D. (2021). A bio-inspired exploration of eco-friendly bael gum and guar gum-based bioadhesive as tackifiers for packaging applications. <i>International Journal of Adhesion and Adhesives</i>, 110, 102946. 13. Gautam, S., Sharma, B., & Jain, P. (2021). To investigate interfacial interaction between soy protein isolate biocomposite thin films reinforced with poly (vinyl alcohol) matrix. <i>Polymer Composites</i>, 42(6), 3114-3124. 14. Bushra Fatima, Basem Al Alwan, Sharf Ilahi Siddiqui, Rabia Ahmad, Mohammed Almesfer, Manoj Kumar Khanna, Ruby Mishra, Rangnath Ravi & Seungdae Oh (2021). Facile Synthesis of Cu-Zn Binary Oxide Coupled Cadmium Tungstate (Cu-ZnBO-Cp-CT) with Enhanced Performance of Dye Adsorption. <i>Water</i> Vol. 13, pp 3287. |
| Chapters in a Book | <ol style="list-style-type: none"> 1. Dr. Rahul Singhal; Chapter “The role of chalcogenide in conducting polymers for enhanced battery performance” for |

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| | <p>book ‘Conducting Polymers for Advanced Energy Applications’ published by CRC Press in 2021. eBook ISBN: 9781003150374</p> <ol style="list-style-type: none"> 2. Dr. Richa Arora; Chapter “Computational Approach Toward Identification and Catalytic Degradation of Chemical Warfare Agents Using MOFs” for book ‘Metal-Organic Frameworks (MOFs) as Catalysts’ published by Springer in 2022. Print ISBN: 9789811679582, 9811679584 · eText ISBN: 9789811679599, 9811679592 3. Dr. Richa Arora; Chapter “Theoretical Study on Catalytic Capture and Fixation of Carbon Dioxide by Metal–Organic Frameworks (MOFs)” for book ‘Metal-Organic Frameworks (MOFs) as Catalysts’ published by Springer in 2022. Print ISBN: 9789811679582, 9811679584 · eText ISBN: 9789811679599, 9811679592 4. Dr. Richa Arora; Chapter “Functionalized Carbon Nanomaterials (FCNMs): A Green and Sustainable Vision” for the book ‘Environmental Applications of Carbon Nanomaterials-Based Devices’ published by Wiley-VCH in 2021. ISBN: 9783527348657 3527348654. |
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COMMERCE

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| <p>Research Papers</p> | <ol style="list-style-type: none"> 1. Samantara R. (2021), Tax Reforms in India: A Critical Analysis. International Journal in Management and Social Science, 9(1), January, 2021. 2. Samantara R. (2021), Taxation of Agricultural Income in India, International Journal in Management and Social Science, 9(2), February, 2021. 3. Samantara R. (2021), Personal Income Taxes in India: Some Reflections, International Journal in Management and Social Science, 9(5), May, 2021. 4. Kumar, R., Poonia, V.S. & Chaudhary, K (2021). Impact of Investor’s Motivation to invest in the Mutual funds on their future investment intention: An Empirical study, Journal of interdisciplinary cycle research, XIII(VII), 1863-1880. DOI:18.0002.JICR.2021.V13I7.008301.317123183 |
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5. Ambast, R. K., Panwar, V., Malik, R. & Bhadouria, S.S. (2022). Study on the Relationship of Foreign Institutional Investor and BSE SENSEX Index Specific during Covid-19 Pandemic, ANVESAK, 52, 3(1), 89-96.
6. Rani, R. & Kumar, R. (2022). Usage of Information and Communication Technologies among Students and Teachers of Government Universities, Journal of Education: Rabindra Bharati University, XXIV, 1(IV), 7-23.
7. Kotaiah, B., Solomon, H., Verma, S, Kumar, R., & Padmapriya, G. (2021). The Power of Augmented and Virtual Reality Technology for Business, Design Engineering, 6, 4939- 4949.
8. Ambast, R.K., Malik, R. & Bhadouria, S.S. (2022). The Comparative study on ease of doing Business between India and China, Shodhsamhita, IX, III (IV), 1-9.
9. Kumar, R., Singh, R., and Poonia, V. S. (2021). Online Stock Market information search behavior of Retail Investors: An Empirical Study in the Context of Social Media Sources, The International Journal of Analytical and Experimental Modal Analysis, XIII (VIII), 2017-2030.
10. Suzanee Malhotra, Kiran Chaudhary, et.al. Voice Based Assistant Devices (VBADs): A Machine Learning Base an Exploratory Study using Cluster and Correspondence Analysis, International Journal of Information Management Data Insights, 2022, Elsevier (Accepted)
11. N Hasan, Kiran Chaudhary et. al. (2021) Unsupervised machine learning framework for early machine failure detection in an industry, Journal of Discrete Mathematical Sciences and Cryptography, 24:5, 1497-1508, Taylor & Francis, (Indexed: Web of Science), DOI: 10.1080/09720529.2021.1951434
12. Chaudhary, Kiran, et. al. "Machine learning-based mathematical modeling for prediction of social media consumer behavior using big data analytics." Journal of Big Data, Springer (Indexed: Web of Science and Scopus), Cite Score 8.0, 8.1 (2021): 1-20.
13. Ramesh Kumar, V.S. Poonia, Kiran Chaudhar, Impact of Investor's Motivation to invest in the Mutual funds on their future investment intention: An Empirical study, journal of interdisciplinary cycle research volume XIII issue VII, Page No:

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| | <p>1863-1880, 2021, DOI:18.0002.JICR.2021.V13I7.008301.317123183</p> <p>14. Kumar, A., Sharma,C., Kumar,A.(2021).Employees’ CSR perception about companies during COVID 19 pandemic:A comparative case of TATA group and Reliance Industries.NIU International Journal of Human Rights ISSN: 2394 – 0298 Volume 8(III), 243-250</p> <p>15. Kumar, A. Sharma, C.,Kumar,A.(2021).Adherence to corporate governance in Small Medium Enterprises: A study among the Micro,Small and Medium Enterprises in the Delhi NCR,India. ANVESAK ISSN: 0378-4568 Vol 5,No.1(VI),221-227</p> <p>16. Kumar, A.,Sharma,C.,Kumar,A.(2021). Role of CSR in products advertisement in the ea of economic nationalism around the globe: a study of the consumers perception for nationalist appeal embedded with CSR. Journal of Education,Rabindra Bharti University ISSN : 0972-7175 Vol.XXIII,No.3,410-420</p> <p>17. Kumar,A.,Sharma,C.,Kumar,A.(2021). Merger strategies used for business alliances: A post merger study for service experience of consume with special reference to VI Telecom Company in India.Vidyabharti International Interdisciplinary Research Journal(Special Issue)ISSN:2319-4979,Special Issue on Engineering technology and Management,3287-3299</p> <p>18. Kumar,A.,Sharma,C.,Kumar,A.(2021). Estimation of factors involving in e-corporate governance in India: A shareholder’s perspective. Shodhsamhita.ISSN 2277-7067, Vol.VIII(2),68-79</p> <p>19. Kumar,A.,Sharma,C.,Kumar,A.(2022)A study of Financial Performance of IT companies in India post e- governance provisions implementation: Legislative reforms perspective in corporate governance under Companies Act 2013 NIU International Journal of Human Rights ISSN: 2394 – 0298 Volume 9(II), 2022</p> <p>20. Rani, R. & Kumar, R. (2022). Usage of Information and Communication Technologies among Students and Teachers of Government Universities, Journal of Education : Rabindra Bharati University, XXIV, 1(IV), 7-23.</p> |
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| Chapters in a Book | 1. Ramesh Kumar, Role of IOT in the Transforming Education Sector - Application and Challenge, 21st Century Innovations in |
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| | <p>Management, Science and Technology, Education and Social Sciences, INSC International Publisher.</p> <ol style="list-style-type: none"> Ramesh Kumar, Customer Awareness and Satisfaction Towards Online Digital Payment, Innovative Business Practices in the Present Digital Era, 2021. ISBN No. “978-93-5515-047- Pavnesk Kumar, Siddhartha Ghosh, Kiran Chaudhary, Business Analytics and Performance Management in India, Big Data Analytics: Digital Marketing and Decision Making Taylor and Francis (In Press), 2022. |
| Books | <ol style="list-style-type: none"> Muhammad Nawaz Tunio, Erum Shaikh, Muhammad Khan, and Kiran Chaudhary, Developing Entrepreneurial Ecosystems in Academia, ISBN13: 9781799885054, November 2021, IGI Global Publisher, DOI: 10.4018/978-1-7998-8505-4 Kiran Chaudhary et. al. Big Data Analytics: Applications in Business and Marketing, ISBN 9781032187662, January 19, 2022, Taylor and Francis. Kiran Chaudhary et. al., Big Data Analytics: Digital Marketing and Decision Making, April, 2022, Taylor and Francis (in Press). |

COMPUTER SCIENCE

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| Research Papers | <ol style="list-style-type: none"> Krishan Kant Singh Gautam, Rajendra Kumar, Subodh Kumar “A Survey on Image Encryption Techniques Enabled with Internet of Things (IOT)”, Design Engineering ISSN: 0011-9342 Year 2021 Issue: 6, Pages: 205 - 213 |
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| Chapters in a Book | <ol style="list-style-type: none"> Gautam Krishan Kant Singh, Yadav Rakesh (2022) “Python Programming” first edition, Scientific International Publishing House (SIPH), ISBN No: 978-93-5625-029-1. |
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ENGLISH

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| Research Papers | <ol style="list-style-type: none">1. Leisangthem, G.D. (2021). Writing Lives, Re-membering History in Easterine Kire's Mari. Journal of Comparative Literature and Aesthetics, 44(4), 34-44. http://jcla.in/wpcontent/uploads/2022/01/JCLA-44.4 |
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ENVIRONMENTAL STUDIES

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| Research Papers | <ol style="list-style-type: none">1. Kumar, V., Jolli, V., & Babu, C. R. (2022). Landuse Patterns, Air Quality and Bird Diversity in Urban Landscapes of Delhi. Zoodiversity, 56(1). |
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GEOGRAPHY

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| Research Papers | <ol style="list-style-type: none">1. Rana, T. S. et.al. (2021) Environment and Development Crisis of Sustainability: A Case Study of Mukhmelpur, Delhi, Innovation The Research Concept, Vol. 6, Issue 10, November 2021, pp. 109-117.2. Rana, T. S. et.al. (2021) Farmers' Perception and Adaptation of Climate Variability in Rajasthan, Remarking an Analisation, Vol. 6, Issue 6, Sept. 2021, pp. 52-64.3. Tewari, P. et.al. (2021) Managing Human-Made systems For Sustainable Development Vidyabharti International Interdisciplinary Research Journal 13(1), ISSN 2319-4979 September 2021, pp. 360-366.4. Acharya A, Mondal B. K., Bhadra T, Abdelrahman K.; Mishra, P.K. and Tiwari, Anuj (2022) Geospatial Analysis of Geo-Ecotourism Site Suitability using AHP & GIS for Sustainable and Resilient Tourism Planning in West Bengal, India Sustainability 13(0): ISSN: 2071-10505. Mishra, P.K. Rai, A, Abdelrahman K.; Rai, S.C. and Tiwari, Anuj (2022) Land Degradation, Overland Flow, Soil Erosion, and Nutrient Loss in the Eastern Himalayas, India. Land.; 11(2):179 Pp -1-16 ISSN: 2073-445X. https://doi.org/10.3390/land11020179 |
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| | <ol style="list-style-type: none"> 6. Mishra, P.K. Rai, A, Abdelrahman K.; Rai, S.C. and Tiwari, Anuj (2021) Analysing Challenges and Strategies in Land Productivity in Sikkim Himalaya, India. Sustainability 13(19): Pp -1-17 ISSN: 2071-1050 (SCOPUS)IF: 3.251 (2020) https://doi.org/10.3390/su131911112 7. Mishra, P.K. and Rai, A. (2021) Role of Unmanned Aerial Systems for Natural Resource Management. Journal of the Indian Society of Remote Sensing. Vol: 49 (3) Pp- 671–679, ISSN 0974-3006 doi: 10.1007/s12524-020-01230-4 8. Mishra, P.K. and Singla, A. (2021) Public Healthcare and Governance: Two Wheels to Ride the Cart Against Covid-19 Pandemic. Disaster and Development (NIDM) 9 (1): Pp 1–18, ISSN: 0973-6700. 9. Raman, E. et.al. (2021): Traffic Congestion in Azadpur Mandi: A Study on the Largest Vegetables and Fruits Market of Asia, "Geospatiality and Sustainable Development Goals\ (SDGs)", Geography Environment and Sustainability, Vol 14, pp-122-131. https://DOI-10.24057/2071-9388-2020-209 10. Singh R. et.al. (2021) Farmers' Perception and Adaptation of Climate Variability in Rajasthan, Remarking an Analyzation, Vol. 6, Issue 6, Sept. 2021, pp. 52-64. 11. "NOOSPHERE: Terra-Incognita (A New Territory to be Explored)", IOSR Journal of Humanities and Social Science (IOSR-JHSS), Volume 26, Issue 7, Series 10 (July. 2021), pp: 01-18 e-ISSN: 2279-0837, p-ISSN: 2279-0845. www.iosrjournals.org 12. "Digital Earth- Geographer's Vision & Challenge", IOSR Journal of Humanities and Social Science (IOSR-JHSS), Volume 26, Issue 4, Series 7 (April, 2021); pp: 01-27, e- ISSN: 2279-0837, p-ISSN: 2279-0845, www.iosrjournals.org |
| Chapters in a Book | <ol style="list-style-type: none"> 1. R. Saberifar, N. Muslim and Mishra, P.K. (2021) The Meta-Analysis of Studies on Urbann Sprawl In book: Geospatial Technology and Smart Cities (ed.) Poonam Sharma. Publisher: Springer International Publishing Pp. 151-165 (ISBN: 978-3-030-71944-9) (https://doi.org/10.1007/978-3-030-71945-6_9). |

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| | <ol style="list-style-type: none"> 2. Dr. Nitin Punit, Integrating natural and human factors for Sustainable development in Himachal Pradesh, Contemporary issues in Sustainable Development: The Case of India (2021), Routledge Publication. 3. Raman, E. et.al. (2022). Analyzing the Vehicle-Induced Air Pollution and Its Impact in Azadpur Mandi, Delhi. In: Siddiqui, A.R., Sahay, A. (eds) Climate Change, Disaster and Adaptations. Sustainable Development Goals Series. Springer, Cham. https://doi.org/10.1007/978-3-030-91010-5_17 4. Mrs. Rashmi Singh, Analyzing the Role of Geospatial Technology in Smart City Development', in a book titled 'Geospatial Technology and Smart Cities' ICT, Geoscience Modeling, GIS and Remote Sensing' published by Springer, 2021. |
| Books | <ol style="list-style-type: none"> 1. Prabuddh K. Mishra, Ecological Polity: A Reflection of Nature's Governance (2021) ISBN: 978-93-5171-194-0. Research India Press, New Delhi. 2. Prabuddh K. Mishra, Arthmanthan (2021) (ed.) ISBN: 978-81-950901-2-9 Literature Land, New Delhi. |

HINDI

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| Research Papers | <ol style="list-style-type: none"> 1. Guru Nanak ji ki vadi me tirth ki awdharna, Pragjyotika Peer Reviewed and Refreed Shodh Patrika, July- December, 2021, http://www.pragjyotikapatrika.com 2. Krishna Sobti ka katha sahitya: naya mulyabodh, Sahridya, Peer Reviewed and Refreed journal Shodh Patrika, April- June, 2021, ISSN 2230-8997 3. Pramukh chhayawadi kaviyon ki kavya bhasha sambandhi manyatay, Sahridy Peer Reviewed and Refreed Shodh Patrika (chhayawad sandrabh sapekshata visheshank) July-Dec 2021, ISSN 2230-8997 4. Shabd shilpi bhagwati Charan Verma ki kahani kala, Purvai Katha, UK, Peer Reviewed and Refreed Shodh Patrika, October, 2021, https://www.thepurvai.com/an-article-on-bhagwati-charan-verma-by-dr-ruchira-dhingra/ |
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| | <ol style="list-style-type: none"> 5. Nasira Sharma ki kahaniyon me vishaygat vaividhy sandharbh khuda ki vapsi insani nasl sangraho ki kahaniyan, Jankriti , Peer Reviewed and Refreed Shodh Patrika, August-September, 2021, ISSN 2454-2725 6. Astitv ki talash me simran, Garbhnaal, Peer Reviewed and Refreed Shodh Patrika, August, 2021, ISSN 2249-5967 7. Bhakti Aandolan aur stri vimarsh, Purwai Katha, UK, Peer Reviewed and Refreed Shodh Patrika, July 2021, https://www.thepurvai.com/an-article-on-bhagwati-charan-verma-by-dr-ruchira-dhingra-2/ 8. Sahitya Aur Cinema ka Anth-Sambandh in Nihal Shodh Manisha ISSN No. 2395-7115, January 2022, vol. 1(2). 9. Vishay Vaividhyata Aur Reetikaaleen Veer Kaavya, published in kakasaad patrika, January 2022 ISSN: 2456-2211, 10. Vibhajan ka sandarbh aur Krishna Sobti ka Katha Sahitya' in a reputed peer reviewed and UGC listed journal named APNI MAATI Vol. 37 July-September 2021, ISSN:2322-0724 |
| Chapters in a Book | <ol style="list-style-type: none"> 1. Dr. Kalpana, Hindi Shahitya ka Itihaas" on the topic Bhasha ka sawaal, Stri Chetna aur Striyo ki Bhasha" published by Aadhar Prakashan, panchkula in November, 2021 |
| Books | <ol style="list-style-type: none"> 1. Dhingra, Prof. Ruchira, 2021, Harivansh Rai Bachchan ki aatmkatha, Hans Prakashan, New Delhi, ISBN no. 978-93-91118-65-5 2. Pandey, Prof. Darshan, ' Jaishankar Prasad Srijan aur Sarokar', (Co-Editor) published by Anang Prakashan, Delhi, ISBN no. 978-81-951633-5-9, Edition 2021. 3. Dr. Tarun, Author of 'Hindi Alochana: Vividh Path Sandarbh' published by Natraj Prakashan, Delhi in February, 2022 ISBN: 978-93-90915-51-4 4. Dr. Tarun 'Uttar Kathan' in an edited book named Ramchandra Shukla (written by Malyaj) Edited by eminent Hindi critic Professor Namwar Singh published by Rajkamal Prakashan Delhi |

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| Edited Books | 1. Dr. Tarun 'Rachna Se Samvad'(Malyaj's Criticism) published by Rajkamal Prakashan Delhi First Edition January 2022 ISBN: 978-93-92757-55-6 |
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HISTORY

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| Research Papers | 1. 'राजस्थान और मध्य प्रांति के संदर्भ में सहन्दी भाषा का सवका' in the Proceedings of the 35th session of the Rajasthan History Congress (3rd -4th Sept 2021) (ISSN 2321- 1288) |
| Chapters in a Book | 1. Khan Khurshid, Sufi Perspective on Inter-faith Dialogue,' in Seeing The Other In The Mirror of Christ, eds. P. Mangai and J.S.V.Edwin Delhi : Media House, 2021, pp.141-57. |

MATHEMATICS

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6. Yadav S., Kumar V., Kumar M. (2021). Analysis of Resonant Curves and Phase Portrait in the Earth–Moon System by Using its Unperturbed Solution and Earth’s Equatorial Ellipticity, ISBN: 1384-1076
7. Ankit Gupta, Satish Kumar, Ratna Dev Sarma, Pankaj Kumar Garg, Reny George “A Note on the Generalized Nonlinear Vector Variational-Like Inequality Problem” in the international journal “Journal of Function Spaces”, July 28, 2021.
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| <p>Chapter in a Book</p> | <ol style="list-style-type: none"> 1. Savita Garg & Neetu Rani 2021; “A Short Academic Tour of Mathematical Models” in Multi disciplinary Edited Book titled “DIMENSIONAL PERSPECTIVES IN RESEARCH”; SSG Publication (Registered with Department of Higher Education, Ministry of Human Resource Development, Government of India), Mumbai, Maharashtra, India, ISBN:978-93-91773-07-6. 2. Neetu Rani & Savita Garg 2021; “Mathematical Modeling: A Powerful Academic Weapon to overcome both Tiny and Gigantic Problems of the Real World” in Multi disciplinary Edited Book titled “ETERNAL RESEARCH”; SSG Publication (Registered with Department of Higher Education, Ministry of Human Resource Development, Government of India), Mumbai, Maharashtra, India, ISBN:978- 93-91773-05-2. |
| <p>Books Edited</p> | <ol style="list-style-type: none"> 1. Dr. Neetu Rani “Vision for Research”; SSG Publication (Registered with Department of Higher Education, Ministry of Human Resource Development, Government of India), Mumbai, Maharashtra, India, 2021, ISBN:978-93-91773-10-6. 2. Dr. Neetu Rani “MOTIVATIONAL RESEARCH”; SSG Publication (Registered with Department of Higher Education, Ministry of Human Resource Development, Government of India), Mumbai, Maharashtra, India, 2021, ISBN:978-93-91773-08-3. |

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8. Dr. Ravindra Singh, Dr. Ashok Kumar Shukla, Dr. Shiv Shankar Gaur, Dr. Priyanka Verma, Polly Biswas, Dr. Omwati Rana, “The Matrix Formulations and Algebraic Equations Using Scilab”, *National Journal of Environmental and Scientific Research, Vol-2, Issue-7, pp. 56-71, July 2021, E-ISSN-2582-5836. DOI - 10.53571/NJESR.2021.2.7.56-71*
9. Polly Biswas, Dr. Ashok Kumar Shukla, Dr. Ravindra Singh, “Mathematical Treatment Using Runge-Kutta (Rk-4) Method For Hermite Gaussian (H-G) Laser Pulse In Vacuum For Circularly Polarized Laser Pulse & Linearly Polarized Laser Pulse, and Effects of Decentre Parameter & Electron Energy Gain Versus Laser Intensity Parameter”, *Bull. Cal. Math. Soc., 113, (3) 189–194, 2021*
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| <p>Chapters in a Book</p> | <ol style="list-style-type: none"> 1. Dr. Ravindra Singh, Dr. Omwati Rana, Polly Biswas and Dr. Shiv Shankar Gaur, “Fourier Coefficients and Analysis of Generation of Square Wave Function, Triangle Wave Function & Sawtooth Wave Function Using Scilab”, <i>Wisdom of the Scientific Research International Book of Multidisciplinary Studies Published By: Rubicon Publications 4/4A Bloomsbury Square, Bloomsbury Square, London, WC1A 2RP, England, Chapter 5, pp.31-39 Edition: 1st Publication Year: 2021 E-Book ISBN: 978-1-913482-30-5 Paperback ISBN: 978-1-913482-29-9 Book DOI:</i> 2. Dr. Ravindra Singh, Dr. Omwati Rana, Polly Biswas & Dr. Shiv Shankar Gaur, “Generating Multiple Waves and Addition of Multiple Waves Using Scilab X-Cos”, <i>Research Trends In Multidisciplinary Subjects, Volume-4</i>, RED'SHINE Publication Pvt. Ltd 88-90 REDMAC, Navamuvada, Lunawada, Gujarat-389230 Website: www.redshine.co.in , Chapter 8, pp.78-97, November, 2021 (First Edition), ISBN: 978-93-91479-24-4, ISBN-10: 9-39-147924-3, DIP: 18.10.9391479243, DOI: 10.25215/9391479243. Available on kindle amazon. 3. Polly Biswas & Dr. Ravindra Singh, “The Important Techniques of Plotting Graphs Using Scilab”, <i>International Book Chapter on Multidisciplinary Subjects For Research-VIII, Volume-2</i>, RED'SHINE PUBLICATION PVT. LTD 232, Bilton road, Perivale, Greenford, Passcode: UB6 7HL London, UK. Website: www.redshine.uk, Chapter 20, pp.109-116, 2021, ISBN: 978-1-300-70823-0 (Paperback), ISBN-A: 10.1300708239, DIP: 18.10.1300708239, DOI: 10.25215/1300708239 4. Polly Biswas & Dr. Ravindra Singh, “Solution of Four Linear Ordinary Differential Equations of Ist Order Using for Loop in a Single Program with the Initial Conditions in Scilab Software 5.5.2”, <i>International Book Chapter on Multidisciplinary Subjects For Research-VIII, Volume-1</i>, RED'SHINE PUBLICATION PVT. LTD 232, Bilton road, Perivale, Greenford, Passcode: UB6 7HL London, UK. Website: www.redshine.uk, Chapter 17, pp. 82-85, 2021, ISBN: 978-1-300-71032-5 (Paperback), ISBN-A:10.1300710322, DIP: |

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| Edited Books | <p>1. Dr. G. Hemalatha & Dr. Ravindra Singh, Associate editor of International Chapter Book on “<i>Multidisciplinary Subjects for Research-XIV Volume-2</i>”, RED’S SHINE PUBLICATION INC. 62/5834 Harplingegrad 110, LGH 1103. Alvsjo, 12573 Stockholm, Sweden. ISBN: 978-91-987581-4-6, ISBN 13:91-987581-4-4, DIP: 18.10.9198758144, DOI: 10.25215.9198758144. December, 2021 (First Edition). www.redshine.se</p> <p>2. Dr. Ravindra Singh & Dr. Anjan Jyoti Borah, Associate editor of book titled “<i>Multidisciplinary Approach in Research Volume-1</i>”, RED’S SHINE PUBLICATION PVT. LTD. Headquarters (India): 88, Patel Street, Navamuvada, Lunawada, India. ISBN: 978-93-93239-69-3, ISBN 10:93-93239-69-X, DIP: 18.10.939323969X, DOI: 10.25215/939323969X. December, 2021 (First Edition). www.redshine.co.in</p> <p>3. Dr. Ravindra Singh & Yogendra Kumar, Editor of a book titled “<i>Modern Research and Trends in Engineering vol-2</i>”, August, 2021. Amazon Publishers www.kdp.amazon.com ISBN : 979-8464793903 https://www.amazon.com/dp/B09DN1FLFT</p> |

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5. Kant N, Jayaraj P et al. A cost-effective set-up to demonstrate embryonic limb development in Aseel (*Gallus gallus domesticus*) South Asian Journal of Experimental Biology(SAJEB)(eISSN: 2230-9799), (Volume 2021 in Issue 2) DOI: [https://doi.org/10.38150/sajeb.11\(3\)](https://doi.org/10.38150/sajeb.11(3))
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11. Sachdeva, M. K., & Singh, D. K. (2021). Matrix induced effect on recovery of pesticides in multi-residue analysis from Brinjal. Annals of plant protection sciences, 29(2), 124- 129. doi: 10.5958/0974-0163.2021.00026.4

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13. Kant, N., Samanta, S. ., Panchal, I., Pandey, A., Ghatak, L., Rout, A., & Chaudhary, J. K. (2022). Genome-wide mutation/SNP analysis, biological characteristics, and Pan-India prevalence of SARS-CoV-2 Variants of Concern. Chemical Biology Letters, 9(2), 331.
<https://pubs.thesciencein.org/journal/index.php/cbl/article/view/331>
14. Chaudhary, J. K., Yadav, R., Chaudhary, P. K., Maurya, A., Kant, N., Rugaie, O. A., Haokip, H. R., Yadav, D., Roshan, R., Prasad, R., Chatrath, A., Singh, D., Jain, N., & Dhamija, P. (2021). Insights into COVID-19 Vaccine Development Based on Immunogenic Structural Proteins of SARS-CoV-2, Host Immune Responses, and Herd Immunity. Cells, 10(11), 2949.
<https://doi.org/10.3390/cells10112949>
15. Chaudhary, J. K., Yadav, R., Chaudhary, P. K., Maurya, A., Roshan, R., Azam, F., Mehta, J., Handu, S., Prasad, R., Jain, N., Pandey, A. K., & Dhamija, P. (2021). Host Cell and SARS-CoV-2-Associated Molecular Structures and Factors as Potential Therapeutic Targets. Cells, 10(9), 2427. <https://doi.org/10.3390/cells10092427>
16. Yadav, R., Hasan, S., Mahato, S., Celik, I., Mary, Y. S., Kumar, A., Dhamija, P., Sharma, A., Choudhary, N., Chaudhary, P. K., Kushwah, A. S., & Chaudhary, J. K. (2021). Molecular docking, DFT analysis, and dynamics simulation of natural bioactive compounds targeting ACE2 and TMPRSS2 dual binding sites of spike protein of SARS CoV-2. Journal of molecular liquids, 342, 116942.N <https://doi.org/10.1016/j.molliq.2021.116942>
17. Yadav, R., Chaudhary, J. K., Jain, N., Chaudhary, P. K., Khanra, S., Dhamija, P., Sharma, A., Kumar, A., & Handu, S. (2021). Role of Structural and Non-Structural Proteins and Therapeutic Targets of SARS-CoV-2 for COVID-19. Cells, 10(4), 821.
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21. Piyush Goel, Nidhi Garg, Pushp Lata, Raj Kumar and Kiran Bala. 2021. Gut Microflora and Atherosclerotic Cardiovascular Disease: A Review" Biosphere (Article ID: biosphere004-21-1)
22. Jitendra Kumar Chaudhary, Pankaj Kumar Chaudhary, Rohitash Yadav, Anurag Maurya, Nimita Kant, Osamah Al Rugaie, Hoineting Rebecca Haokip, Deepika Yadav, Rakesh Roshan, Ramasare Prasad, Apurva Chatrath, Dharmendra Singh, Neeraj Jain, Puneet Dhamija. Insights into COVID-19 vaccine development based on immunogenic structural proteins of SARS-CoV-2, host immune responses and herd immunity
23. Jitendra Kumar Chaudhary, Rohitash Yadav, Pankaj Kumar Chaudhary, Anurag Maurya, Rakesh Roshan, Faizul Azam, Jyoti Mehta, Shailendra Handu, Ramasare Prasad, Neeraj Jain, Avaneesh Kumar Pandey, Puneet Dhamija. Host cell and SARS-CoV-2-associated molecular structures and factors as potential therapeutic targets. Cells 2021, 10(9), 2427.
24. Perumal Jayaraj, Nimita Kant, Seema Sen "Analysis of invasive properties of retinoblastoma and uveal melanoma xenograft using chick chorioallantoic membrane" assay Published in Proceedings of 2nd Virtual International Conference on Naturopathy, Nanotechnology, Nutraceuticals and Immunotherapy Cancer Research- 2021 ICN3IC-21, Virtual, June 11-12, 2021, CCA91. ISBN: 978-81-950236-5-3 Published by School of Life Sciences, B.S. Crescent Institute of Science & Technology, Vandalur, Chennai –600048.
25. Palak, Shefali Dahiya, Perumal Jayaraj, Nimita, Seema Sen. "Chicken chorioallantoic membrane assay as an in vivo model to study ocular malignancies and efficacy of nanoparticles" Published in Proceedings of International Conference on Nanoparticles: Biomolecules for Human Health (NBHH-2021) held virtually for two days, September 27-28, 2021, organized by Kirori Mal College, University of Delhi. ISBN 978-81-841-21-935

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| | <p>26. Palak, Perumal Jayaraj, Nimita, Seema Sen. “Avian chorioallantoic membrane assay: alternative animal model to study ocular malignancies” Published in Proceedings of International Conference on Emerging Trends in Biological Sciences (ICETBS-2022)' organized by P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Changa - 388 421 (Gujarat, India) held from January 9-11, 2022.</p> <p>27. Nimita Kant*, Shamashree Samanta, Ishika Panchal, Abhishek Pandey, Lagna Ghatak, Adyasha Rout, Jitendra Kumar Chaudhary* Biological Characteristics of SARS-CoV-2 Variants of Concern (VOC) and their Prevalence across India” Published in Proceedings of International Conference on INFECTIONS AND IMMUNITY, ICII-2021 organized by Daulat Ram College, University of Delhi held from OCTOBER 8-10, 2021. ISBN Paperback : 978-93-91465-02-5</p> |
| Books | <p>1. Chaudhary JK; Chaudhary PK and Maurya A. National question book for Life Sciences; 2022; Prestige Publisher, New Delhi (ISBN: 978-81-949428-9-4)</p> |

Summary

| S. No. | Item | Total Number |
|---------------|--------------------|---------------------|
| 1. | Research Papers | 138 |
| 2. | Chapters in a Book | 24 |
| 3. | Books | 10 |
| 4. | Edited Books | 06 |
| | Total | 178 |