

Sarada Vilas Educational Institutions ®

Sarada Vilas College

3rd Cross Road, Krishnamurthypuram, Mysuru - 570004
(Reaccredited by NAAC with B+ Grade (2.70CGPA) – Affiliated to University of Mysore)

Research Papers/ Articles Published by Faculties

| Sl No | Title of paper | Name of the author | Link to article / paper / abstract of the article |
|-------|---|--|---|
| 1 | Chemical synthesis, in vitro biological evaluation and theoretical investigations of transition metal complexes derived from 2-(((5-mercapto-1H-pyrrol-2yl)imino)methyl)6-methoxyphenol | Mrs.Vinusha Honnalagere Mariswamy, Department of Chemistry, Sarada Vilas College | https://www.sciencedirect.com/science/article/abs/pii/S002228602101053X |
| 2 | Characterization and biological activities of synthesized citrus pectin-MgO nanocomposite | Mrs.Vinusha Honnalagere Mariswamy, Department of Chemistry, Sarada Vilas College | https://doi.org/10.1016/j.rechem.2021.100156 |
| 3 | Evaluation of convolution sums | Pushpa K, Department of Mathematics, Sarada Vilas College | https://www.cambridge.org/core/journals/glasgow-mathematical-journal/listing?q=Pushpa+K%5C&searchWithInIds=F540DDA3163755309932B0C002B66FE&fts=yes |
| 4 | Status connectivity indices of line graphs | Dr. Saroja Y Talwar, Department of Mathematics, Sarada Vilas College | https://link.springer.com/article/10.1007/s13370-021-00923-4 |
| 5 | On Gosper's π_q and Lambert series identities | Yathirajsharma M V, Department of Mathematics, Sarada Vilas College | https://projecteuclid.org/journals/hiroshima-mathematical-journal/volume-52/issue-1/On-Gospers-Pi_q-and-Lambert-series-identities/10.32917/h2021044.full |
| 6 | Phytochemicals, Antioxidant activity of clerodendrum paniculatum(L.) leaf and flower extracts | Dr.M.Devika m, Department of Botany, Sarada Vilas College | https://innovareacademics.in/journals/index.php/ajpcr/article/view/43361 |

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| 7 | Evaluation of convolution sums | Pushpa K, Department of Mathematics, Sarada Vilas College | Con. Sums 21, 33, 35 |
| 8 | On Eisenstein series, color partition and divisor function | Pushpa K, Department of Mathematics, Sarada Vilas College | Color partitions Arabian. J. |
| 9 | On some trigonometric identities as a consequence of Bailey's summation formula | Yathirajsharma M V, Department of Mathematics, Sarada Vilas College | https://link.springer.com/article/10.1007/s1139-020-00349-9 |
| 10 | Comparitive analysis on digital banking services: with select public and private banks | Asha KC, Department of Commerce and Business Administration, Sarada Vilas College | |
| 11 | Understanding the pathogen evolution and transmission prevention measures: Recent findings on molecular interventions towards COVID-19 therapeutics via hints from the past | Mrs.Vinusha Honnalagere Mariswamy, Department of Chemistry, Sarada Vilas College | https://search.bvsalud.org/global-literature-on-novel-coronavirus-2019-ncov/resource/en/covidwho-832624 |
| 12 | Chemical synthesis, Spectral Characterization and Biological Investigations of Novel Triazole-based Schiff Base Ligand and its transition complexes | Mrs.Vinusha Honnalagere Mariswamy, Department of Chemistry, Sarada Vilas College | https://nanobioletters.com/wp-content/uploads/2020/07/2284680893.13721388.pdf |
| 13 | 1,2,4-Triazoles: Synthetic and medicinal perspectives | Sudeep P, Department of Chemistry, Sarada Vilas College | https://www.researchgate.net/profile/Vagish-Channabasappa/publication/343998705_124-TRIAZOLES_SYNTHETIC_AND_MEDICINAL_PERSPECTIVES/links/5f57d59d92851c250b9fc038/1-2-4-TRIAZOLES-SYNTHETIC-AND-MEDICINAL-PERSPECTIVES.pdf |
| 14 | Examination of miscibility characteristics of the sythetic plastic-mimetic peptide with polyacrylamide: development of nonwoven mats by electrospinning | Nanjundaswamy GS, Department of Chemistry, Sarada Vilas College | https://www.tandfonline.com/doi/pdf/10.1080/25740881.2020.1811322?needAccess=true |

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| 15 | 1,2,3-Triazoles: A review on current trends in synthetic and biological applications | Dileep Kumar A, Department of Chemistry, Sarada Vilas College | https://www.researchgate.net/profile/Vagish-Channabasappa/publication/343697245_123-Triazoles_A_Review_on_Current_Trends_in_Synthetic_and_Biological_Applications/links/5f4e2304299bf13c5075f04c/1-2-3-Triazoles-A-Review-on-Current-Trends-in-Synthetic-and-Biological-Applications.pdf |
| 16 | Green synthesis of novel pyrazoline carbothioamides: A potent antimicrobials and antioxidant agents | Dileep Kumar Achutha, Department of Chemistry, Sarada Vilas College | https://doi.org/10.1016/j.cdc.2020.100445 |
| 17 | Isoxazoles-A Biocompatible Radical Scavenging Agents: Citrus Juice Mediated Environmentally Benign Synthesis and Characterization | Dileep Kumar A, Department of Chemistry, Sarada Vilas College | https://doi.org/10.14233/ajchem.2020.22871 |
| 18 | Design and synthesis of coumarin-triazole hybrids: biocompatible anti-diabetic agents, in silico molecular docking and ADME screening | Dileep Kumar A | https://doi.org/10.1016/j.heliyon.2020.e05290 |
| 19 | Chemical synthesis, Spectral Characterization and antitumor activity of Co(II), Zn(II) and Ni(II) complexes derived from Thiazole-based Schiff base Ligand | Mrs.Vinusha Honnalagere Mariswamy, Department of Chemistry, Sarada Vilas College | https://doi.org/10.33263/LIANBS103.25462556 |
| 20 | 2-Methoxy-5-(6-methoxypyridin-3-yl-imino-methyl)phenol and its transition metal complexes as potent antibacterial agents: Synthesis, characterization, theoretical investigations and biological evaluation | Mrs.Vinusha Honnalagere Mariswamy, Department of Chemistry, Sarada Vilas College | https://doi.org/10.1016/j.rechem.2021.100120 |
| 21 | Design, Synthesis, Characterization, evaluation for anti-cancer and cytotoxic properties of new carbothioamides | A.Dhilip Kumar, Department of Chemistry, Sarada Vilas College | (PDF) Design, Synthesis, Characterization, Evaluation for Anticancer and Cytotoxic Properties of New Pyrazole Carbothioamides (researchgate.net) |

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| 22 | Design, synthesis, characterization, crystal structure, Hirshfeld surface analysis, DFT calculations, anticancer, angiogenic properties of new pyrazole carboxamide derivatives | Achutha Dileep Kumar, Department of Chemistry, Sarada Vilas College | https://doi.org/10.1016/j.molstruc.2021.130271 |
| 23 | Synthesis, Characterisation and anti-oxidant activity studies of new coumarin tethered 1, 3, 4 - Oxadiazole analogues | Mr.Sudeep Penubolu, Department of Chemistry, Sarada Vilas College | https://doi.org/10.1007/s12039-021-01914-5 |
| 24 | Recent developments on the synthetic and biological applications of chalcones - A Review | Mr.Sudeep Penubolu, Department of Chemistry, Sarada Vilas College | https://biointerfaceresearch.com/wp-content/uploads/2021/04/20695837121.180195.pdf |
| 25 | Impact of blend proportion on the miscibility and thermal characteristics of synthetic plastic-derived Polypentapeptide with commercially available polyvinyl alcohol | Nanjundaswamy GS, Department of Chemistry, Sarada Vilas College | https://link.springer.com/article/10.1007/s10924-019-01511-1 |
| 26 | Zinc Oxide Nanoparticles Supported on Multi-Walled Carbon Nanotube Modified Electrode for Electrochemical Sensing of a Fluoroquinolone Drug | Nanjundaswamy GS, Department of Chemistry, Sarada Vilas College | https://doi.org/10.1002/elan.202000010 |
| 27 | Vanadium oxide nanorods as DNA cleaving and antiangiogenic agent: novel green synthetic approach using leaf extract of <i>Tinospora cordifolia</i> | Mrs.Vinusha Honnalagere Mariswamy, Department of Chemistry, Sarada Vilas College | https://doi.org/10.1016/j.crgsc.2020.04.001 |
| 28 | Synthesis of Biologically active silver nanoparticles using <i>Tinospora cordifolia</i> leaf extract for antimicrobial applications | Mrs.Vinusha Honnalagere Mariswamy, Department of Chemistry, Sarada Vilas College | http://ijacskros.com/7%20Volume%201%20issue/DOI%2010.22607IJACS.2019.701006.pdf |

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| 29 | Preparation, spectral characterization and biological applications of Schiff base ligand and its transition metal complexes | Mrs.Vinusha Honnalagere Mariswamy, Department of Chemistry, Sarada Vilas College | https://doi.org/10.1016/j.rechem.2019.100012 |
| 30 | Miscibility studies of plastic-mimetic polypeptide with hydroxypropylmethylcellulose blends and generation of non-woven fabrics | Nanjundaswamy GS, Department of Chemistry, Sarada Vilas College | https://doi.org/10.1016/j.carbpol.2019.02.042 |
| 31 | Adsorption and antimicrobial studies of chemically bonded magnetic graphene oxide-Fe ₃ O ₄ nanocomposite for water purification | Pradeep Kumar CB, Department of Chemistry, Sarada Vilas College | https://www.infona.pl/resource/bwmeta1.element.elsevier-b7576198-4791-366e-969d-f6fe674406e3 |
| 32 | Facile synthesis of some novel derivatives of 1,3,4-oxadiazole derivatives associated with Quinolone moiety as cytotoxic and antibacterial agents | Gururaja R, Department of Chemistry, Sarada Vilas College | https://www.researchgate.net/publication/320377597_Facile_Synthesis_of_Some_Novel_Derivatives_of_134-Oxadiazole_Derivatives_Associated_with_Quinolone_Moiety_as_Cytotoxic_and_Antibacterial_Agents |
| 33 | In vivo evaluation of anxiolytic activity of aqueous and ethanoloic extracts of Litsea floribunda (Bl.) Gamble-Lauraceae | Devika M, Department of Botany, Sarada Vilas College | http://ajpp.in/uploaded/p94.pdf |
| 34 | Synthesis, Characterization and Antimicrobiological activity of Schiff bases derived from 2-HydroxyQuinoline-3-Carbaldehydes | Rangaiah G, Sarada Vilas College | http://ir.cftri.res.in/13244/ |
| 35 | Evaluation of antidepressant activity of Litsea floribunda (Bl.) Gamble-Lauraceae using animal models | Devika M, Department of Botany, Sarada Vilas College | http://dx.doi.org/10.13040/IJPSR.0975-8232.9(8).3427-32 |