

PAPER PUBLICATION – 2023-2024

S.NO.	NAME OF THE STAFF	TITLE OF THE PAPER PUBLISHED	PUBLICATION DETAILS
			Title of the Journal with Volume No. issue No. & Pages, Month & Year, ISSN/ISBN No. & Impact factor, (H. Index etc.) UGC Approved Journals etc.
1.	Dr. A. Leema Rose	<i>Invitro</i> antioxidant and antimicrobial activity of isolated flavonoid from the methanolic extract of <i>andrographis echiioides</i> leaves	Research Journal of Chemistry and Environment, Volume 27, Issue 6, pg:67-73, June 2023 ISSN-0972-0626 Impact factor: 0.141 SCOPUS and UGC approved
2.		Ceylon Date Palm Leaf Extract As An Eco-Friendly Corrosion Inhibitor On Mild Steel In Acidic Solution	Corrosion and Protection Volume: 51 Issue: 2 pg: 640-648 July 2023 ISSN:1005-748X Impact factor: 0.14 Scopus
3.		The Inhibition Of Mild Steel Corrosion In Hydrochloric Acid (1n) Solution By Indian Caralluma	Corrosion and Protection Volume: 51 Issue: 2, pg: 649-656, July 2023

	Stem Extract In Acidic Solution As An Eco-Friendly Approach	ISSN:1005-748X Impact factor: 0.14 Scopus
4.	Green Corrosion inhibitor and adsorption characteristics of Caralluma indica stem extract on mild steel in acid medium	European Journal of Molecular & Clinical Medicine (EJMCM), Volume 10, Issue 01, pg: 1141-1149 October 2023 ISSN: 2515-8260
5.	Comparative Advanced Oxidation Decolorization of the Triphenylmethane Dye with Dimethyl Dioxirane and Hydrogen Peroxide	Nature Environment and Pollution Technology, Volume 22, Issue 2, pg:803-815, June 2023 ISSN:2395-3454 SCOPUS and UGC approved Impact factor: 0.169
6.	Anticorrosive activity of <i>Phoenix pusilla</i> leaves extract on Mild steel in Hydrochloric acid medium	European Journal of Molecular & Clinical Medicine (EJMCM), Volume 10, Issue 01, pg: 1134-1140, October 2023 ISSN: 2515-8260
7.	Green Corrosion Inhibitory Efficiency Of Isolated Flavonoid	Oriental Journal of Chemistry, Volume 39, Issue 2, pg:463-469, June 2023

		From <i>Spermacoce Hispida</i> Leaves On Mild Steel In Acid Medium	Web of Science Impact factor 0.5 ISSN: 0970-020 X
8.	Dr. A. Leema Rose, Dr. F. Janeeta Priya and Dr. Vidhya	Apoptotic effect of reduced Graphene Oxide on MCF-7 Breast Cancer Cell line using <i>Asparagus racemosus</i> roots	Research Journal of Biotechnology, Volume 18, Issue 11, pg:58-64, November 2023 ISSN: 2278-4535 Indexed: Scopus Impact factor: 0.233
9.	Dr. L. Cathrine	Trimetallic ZIF-Derived Ni-Cu/NC Rhombic Nanostructures on Butter Sheet Paper As A Flexible Electrochemical Probe For Nonenzymatic Glucose Sensors	Applied Nano materials, doi.org/10.1021acsanm.3c01489, Volume: 6 Issue:16 pg: 14628–14644 August 2023 UGC CARE. Scopus. Web of Science (SCIE) Impact factor: 6.14

10.	Dr. V. Priya and Ms. V. Priya Roseline	<i>In Silico</i> Molecular Docking of N-Halo Compounds with Proteins 1 HD2 and 2CDU	Journal of Harbin Engineering University, Volume 44, Issue:10, pg: 1130-1135, October 2023 ISSN: 1006-7043 Scopus Impact factor: 0.186
11.	Ms. V. Priya Roseline and Dr. V. Priya	<i>In Silico</i> Molecular Docking of N-Bromonicotinamide and N-Bromoisonicotinamide with Proteins 1HD2 and 2CDU	International Journal of Zoological Investigations, Volume 10, Issue 1, Pg.294-300, February 2024 ISSN: 2454-3055 Impact factor: 0.95
12.	Dr. J. Rosaline Vimala	A new class of layered Bi ₂ O ₂ S nanopetals by one-pot supercritical-CO ₂ approach: A reliable electrocatalyst for analgesic bioflavonoid detection	Chemosphere, Volume 38, pg: 138534, July 2023 ISSN: 0045-6535 Scopus, Web of Science Impact factor: 8.943
13.	Dr. J. Rosaline Vimala, Dr. M. Stella Bharathy, Dr. A. Agila, Dr. S. Margret Sheela, Ms. S. Vimala.	Rutin Mediated Synthesis of Silver Nanoparticles derived from Melia dubia and Evaluation of Antioxidant and Antimicrobial Activity	Research Journal of Chemistry and Environment, Volume 27, Issue: 7, pg: 45-49, July 2023 ISSN: 0972-0626 Scopus Impact factor: 0.141

14.	Dr. J. Rosaline Vimala	Separation, identification and anti-breast cancer efficacy of anthocyanin of melia dubia bark	Materials Letters: X Volume: 21, Issue: pg:100223, December 2023 ISSN:2590-1508 Scopus Impact factor: 1.7
15.	Dr. R. Kanmani, Dr. J. Felicita Florence, Dr. J. Amala Infant Joice and Dr. M. Kavitha	<i>In Vitro</i> Antidiarrheal And Antimicrobial Assessments Of Phytofabricated Zinc Oxide Nanoparticles Through <i>Curculigo orchioides</i>	Oriental Journal of Chemistry, Volume 39, Issue 4, pg:976-983, August 2023 ISSN: 0970-020 X Web of Science Impact factor: 0.5
16.	Dr. J. Felicita Florence, Dr. R.Kanmani and Dr. J. Amala Infant Joice	A review on modern advances in plant mediated green synthesis of silver nanoparticles and their biomedical applications	International Journal of Research and Analytical reviews, Volume 10, Issue 4, pg:292-296, December 2023 ISSN: 2349-5138

17.	Dr. J. Amala Infant Joice	<i>In Vitro</i> Alpha Amylase and Alpha Glucosidase Inhibitory Activity of Importance Lettuces from South Indian Region	International Journal of Zoological Investigations, Volume 9, Special Issue 1, Pg.39-45, 2023, ISSN: 2454-3055 Impact factor: 0.95
18.	Dr. P. Christina Ruby Stella	Development of biopolymeric film using natural polymer extracted from <i>Muntingia calabura</i> leaves	Moroccan Journal of Chemistry, volume 11, Issue 4, Page 1100-1115, August 2023 ISSN: 2351-812X Scopus Impact factor: 1.41
19.	Dr. S. Philomina Mary	Micro-structured growth of 1,2,4-triazole by electro-polymerization for highly selective detection of gallic acid and uric acid	Microchemical Journal, Volume: 195 Issue: 109375, pg:1-8 September 2023 ISSN: 0026-265X Web of Science Impact factor: 5.304

List of Books published by faculty

S. No.	Year	Name of the Faculty	Name of the publisher	Book Name	ISBN No.
1	September-2023	S. Philomina Mary	Holy Cross Publishing House Publication Division Holy Cross College(Autonomous) Tiruchirappalli-2	Food Adulteration, Home care products and herbal cosmetics	978-81-953014-7-8

List and copies of Book Chapters published by faculty

S. No.	Year	Name of the Faculty	Name of the publisher	Book Name	Chapter Title	ISBN No.
1	December 2023	Rosaline Vimal.J, Stella Bharathy.M, Agila.A, Margret Sheela .S and Vimala.S	Iterative International Publisher IIP	Futuristic Trends in Chemical Material Sciences & Nano Technology	Phyto synthesis of Zinc Oxide Nanoparticles Mediated by Flavonoid Fraction Extracted From Melia Dubia Bark and Its Antioxidant, Anticancer and Photocatalytic Activity	978-93-93502-80-3

