

SI No	Name of faculty Member	NAME OF PAPER PUBLICATION	DOI
1	Dr. Kala R.	Deepa Sebastian, Sithara Soman, Kala Ramakrishnan,"A Nanohybrid system based on covalently functionalized Graphene Quantum dots with Dithienopyrrole derivative for the sensitive and selective fluorometric detection of Pb (II) ions",Luminescence,vol 36,issue 7,pp.1743-1750, August 2021	https://doi.org/10.1002/bio.4116
2	Dr. Kala R.	Sithara Soman,Aswathy P.V., Kala Ramakrishnan,"Covalently modified graphene quantum dot using a thiourea based imprinted polymer for the selective electrochemical sensing of Hg(II) ions",Journal of Polymer Research,vol 28,issue 9,September 2021	https://doi.org/10.1007/s10965-021-02716-6
3	Dr. Kala R.	Deepa Sebastian, Kala Ramakrishnan., Neethu Parvathy K.P.,Savitha D. P., "A fluorescent probe based on visible light-emitting functionalized Graphene Quantum dots for the sensitive and selective detection of Pb (II) ions", Journal of Material Science,vol 56,issue 32,pp.18126–18146, September 2021	https://doi.org/10.1007/s10853-021-06478-w
4	Dr. Manoj E.	Hashim K.K., Manoj E., M.R Prathapachandra Kurup, "A novel manganese(II) bithiocarbohydrazone complex: Crystal structures, Hirshfeld surface analysis, DFT and molecular docking study with SARS-CoV-2", Journal of Molecular Structure,vol 1246,pp.131125 August 2021	https://doi.org/10.1016/j.molstruc.2021.131125
5	Dr. P. M. Sabura Begum	Midhun D. C.D., Derval d. S. R., Paulo H.C., Athira S. K., Neenu K.V., Sabura B. P. M., Divya Dinakaran., Effina John., Donna Baby., Meenu M. T., Jaison M. J., Jyotishkumar Parameswaranpillai., Mohammad R. S, "Thermoplastic starch nanocomposites using cellulose-rich Chrysopogon zizanioides nanofibers", International Journal of Biological Macromolecules, vol 191, pp. 572-583, September 2021	https://doi.org/10.1016/j.ijbiomac.2021.09.103
6	Dr. K. Sreekumar	Hiba K., Anjali K.G., Prathapan S., K. Sreekumar, "Palladium Loaded Dendronized Polymer as Efficient Polymeric Sustainable Catalyst for Heck Coupling Reaction" Catalysis letters, (just published), 1-16.	
7	Dr. K. Sreekumar	Unnikrishnan V., Avudaiappan G., Kiran James.,Ajay A., Sreekumar K., "Efficient synthesis of piperidine derivatives using dendrimer based catalytical pockets", Journal of Heterocyclic chemistry, 1, 1-11, September 2021	DOI: 10.1002/jhet.4361
8	Dr. K. Sreekumar	Letey V. T., Saranya P., Anju M. B., Krishnapillai S., "Ethylene Glycol: Urea: NH ₄ Cl Low Melting Mixture-Assisted Reactions between Aromatic Aldehydes and Active Methylene Compounds", ChemistrySelect , 6, 7150 –7157, September 2021	doi.org/10.1002/slct.202102121

9	Dr. P.V. Mohanan	Savitha D. P., Deepa Sebastian., Anjali K. G., Mohanan P.V., "A novel and cost effective isatin based Schiff base fluorophore: a highly efficient ‘‘turn-off’’ fluorescence sensor for the selective detection of cysteine in an aqueous medium", <i>New Journal Of Chemistry</i> , vol.45, issue16, pp.306-312, August 2021	DOI: 10.1039/d1nj03087f
10	Dr. N. Manoj	Vineetha P. K., Aravind Krishnan., A. Aswathy., Parvathy O.C., Manoj N., " Pyran based bipodal D- π -A systems: colorimetric and ratiometric sensing of experimental and theoretical approach"., <i>New Journal of Chemistry</i> .,1-9, July 2021	DOI: 10.1039/d1nj01167g
11	Dr. N. Manoj	Sirajunnisa P., Liz H.G., Manoj N., Prathapan S., Sailaja. G. S., "Lawson derived Zn(II) and Fe (III) metal organic frameworks with pH dependent emission for controlled drug delivery"., <i>New Journal of Chemistry</i> ., 45,35, 14589-14597, July 2021	DOI: 10.1039/d1nj01913a
12	Dr. P.V. Mohanan	Shanty A.A ., Mohanan P.V., " Synthesis, Characterization, DNA binding, antibacterial, antidiabetic, molecular docking and DFT studies of Ni(II), Cu(II) and Zn(II) complexes derived from heterocyclic Schiff base", <i>Journal Of Inorganic and Nano-Metal Chemistry</i> , Aug 2021 (In Press)	https://doi.org/10.1080/24701556.2021.1988977
13	K. Sreekumar	Shaibuna M. , Muhammed Jeneesh Kariyottu Kuniyil, and Krishnapillai Sreekumar, "Deep Eutectic Solvent Assisted Synthesis of Dihydropyrimidinones/thiones via Biginelli Reaction: Theoretical Investigations on their Electronic and Global Reactivity Descriptors", <i>New Journal of Chemistry</i> , Vol 45, 20765-20775, Oct 2021.	DOI: 10.1039/D1NJ03879F
14	K. Sreekumar	Lety V. Theresa, Savitha D. Pradeep, Deepa Sebastian, K. Sreekumar, "Sustainable multicomponent one pot synthesis of pyranopyrazole derivatives in the presence of Lactic acid: Urea: NH ₄ Cl", <i>Current Research in Green and Sustainable Chemistry</i> , Vol 4, 100194, Oct 2021.	https://doi.org/10.1016/j.crgsc.2021.100194
15	K. Sreekumar	Hiba K., Prathapan S. , Krishnapillai Sreekumar, "Amine Functionalized Dendronized Polymer as a Homogeneous Base Catalyst for the Synthesis of Polyhydroquinolines and 4-Arylidene-3-Methylisoxazol-5(4H)-Ones", <i>Catalysis letters</i> , Oct 2021.	https://doi.org/10.1007/s10562-021-03829-9
16	K. Sreekumar	Kottayil Hiba, Machingal Shaibuna, Sreedharan Prathapan, and Krishnapillai Sreekumar, "Novel Carboxylic Acid Functionalized Dendronized Polymer: A Homogeneous, Reusable Metal Free Acid Catalyst for the Synthesis of Symmetric and Unsymmetric Xanthene Derivatives", <i>Chemistry select</i> , vol 6, 13832, 2021.	doi.org/10.1002/slct.202103682
17	Susmita De	Manik Das, Paola Brandao, Soumya Sundar Mati, Saikat Roy, Anakuthil Anoop, Anjima James, Susmita De, Uttam Kumar Das, Soumik Laha, Jisu Mondal, Bidhan Chandra Samanta & Tithi Maity (2021) Effect of ancillary ligand on DNA and protein interaction of the two Zn (II) and Co (III) complexes: experimental and theoretical study, <i>Journal of Biomolecular Structure and Dynamics</i>	DOI: 10.1080/07391102.2021.2001377

18	P.V. Mohanan	Divya K. M., Savitha D. P., Anjali K. G., Dhanya T. M., Mohanan P. V., "Crystal structure, DFT studies, Hirshfeld surface and energy framework analysis of 4-(5-nitro-thiophen-2-yl)-pyrrolo [1, 2-a] quinoxaline: A potential SARS-CoV-2 main protease inhibitor", Journal of Molecular Structure, November 2021.	DOI: https://doi.org/10.1016/j.molstruc.2021.131932
19	Dr. K. Sreekumar	Hiba K., K.Sreekumar, Design of primary amine-functionalized polymer containing chiral isosorbide in the main chain for the asymmetric synthesis of isoquinuclidine derivatives, New Journal of chemistry,46, 3658-3666, January 2022	DOI: 10.1039/d1nj05868a
20	Dr. K. Sreekumar	Shebitha A. M., Shaibuna M.,Hiba K., K. Sreekumar, Synthesis, Characterization and DFT-D Studies of 2-Aminoethoxycalix[4]resorcinarenes: A Novel Heterogeneous Organocatalyst, Catalysis letters,	doi.org/10.1007/s10562-021-03895-z
21	Dr. K. Sreekumar	Shaibuna M., Letcy V. Theresa, K. Sreekumar, Neoteric deep eutectic solvents: history, recent developments, and catalytic applications, Soft Matter, 18, 2695–2721, March 2022	DOI: 10.1039/d1sm01797g
22	Dr. P. M. Sabura Begum	Midhun C. D., Vandita Raj., K.V. Neenu., Sabura B.P.M., Krzysztof Formela, Mohammad R.S., Deepak D. P., Poornima V. P., T., G. Ajithkumar., Jyotishkumar Parameswaranpillai, Chlorine-free extraction and structural characterization of cellulose nanofibers from waste husk of millet (Pennisetum glaucum), International Journal of Biological Macromolecules, Elsevier, Vol 206, 1 May 2022	https://doi.org/10.1016/j.ijbiomac.2022.02.078
23	Dr. P. M. Sabura Begum	C.D. Midhun Dominic., Aiswarya Balan., K.V. Neenu., P.M. Sabura Begum., Daisy Joseph., P. Dileep., Rani Joseph., M.J. Jaison., Mariya Mathew., C.S. Dhanya., Michael Badawi., Jyotishkumar Parameswaranpillai, Sustainable Kerala rice husk ash for formulation of basic tyre tread: Taking first step, Sustainable Materials and Technologies, Elsevier, Vol 32, July 2022	https://doi.org/10.1016/j.susmat.2022.e00427
24	Dr. K. Girish Kumar	Sonia S, Manna R. M., K. Girish Kumar, A Simple Electropolymer Based Voltammetric Sensor for the Simultaneous Determination of Melanoma Biomarkers- L-Dopa and L-Tyrosine	DOI: 10.1149/1945-7111/ac51a1
25	Dr. K. Girish Kumar	Keerthi K., K. Girish Kumar, Development of Molecularly Imprinted poly(Phenol) Membrane Based Electrochemical Sensor for The Selective Determination of Guanine	DOI: 10.1149/1945-7111/ac5c9a
26	Kala R	Athira Pallikkara, Deepa Sebastian, Kala Ramakrishnan, "An Investigation on the Effect of Extended Conjugation on the Photophysical Properties of Graphene Quantum Dot-Porphyrin Dyads", ChemistrySelect, 6, 12224-1223, November 2021	doi.org/10.1002/slct.202103199

