

Publications 2020

S.N.	Name of Faculty Member	Name of the Research Paper	Year of Publication	Name of the Journal
1	Jiji Abraham	Hydrophobic, superabsorbing materials from reduced graphene oxide/MoS ₂ polyurethane foam as a promising sorbent for oil and organic solvents	2020	Polymer Testing
2	Jiji Abraham	A comprehensive study on the impact of RGO/MWCNT hybrid filler reinforced polychloroprene rubber multifunctional nanocomposites	2020	Polymer Testing
3	Jiji Abraham	Role of CNT/clay hybrid on the mechanical, electrical and transport properties of NBR/NR blends	2020	Polymer Bulletin
4	Jiji Abraham	Characterization of green nanoparticles from plants	2020	Phytonanotechnology: Challenges and prospects
5	Beena Jose	Characterization of green nanoparticles from plants	2020	Phytonanotechnology: Challenges and prospects
6	Jiji Abraham	Flexible FKM/mRGO nanocomposites with excellent thermal, mechanical and electrical properties	2020	Arabian Journal of chemistry
7	Jiji Abraham	Transport and solvent sensing characteristics of styrene butadiene rubber nanocomposites containing imidazolium ionic liquid modified carbon nanotube	2020	Journal of Applied Polymer Science
8	Jiji Abraham	Self-assembled PMMA/ZnO nanocomposites with anti-staining and liquid barrier properties—their physicochemical perspectives and clinical implications as a biomaterial for Maxillofacial prosthetic rehabilitation	2020	Journal of Polymer Research

Publications 2021

S.N.	Name of Faculty Member	Name of the Research Paper	Year of Publication	Name of the Journal
1	Bijoy P Mathew	Synthesis, Biological and Material significance of Dihydro [1,3] oxazine derivative	2021	Current Organic Chemistry
2	Jiji Abraham	Multiwalled carbon nanotubes reinforced flexible blend nanocomposites membranes for pervaporation separation of aromatic-aliphatic mixtures	2021	Polymers and Polymer Composites
3	Jiji Abraham	Human hair reinforced natural rubber composite: effect of hair loading on mechanical, structural, morphological and thermal behaviour	2021	Journal of Rubber Research
4	Jiji Abraham	Synthesis and characterization of natural rubber/graphene quantum dot nanocomposites	2021	Journal of Polymer Research

Publications 2022

S.N.	Name of Faculty Member	Name of the Research Paper	Year of Publication	Name of the Journal
1	Jiji Abraham	Exploring the reinforcing mechanism and micromechanical models for the interphase characteristics in melt mixed XLPE-fumed SiO ₂ nanocomposites	2022	Journal of Applied Polymer Science
	Jiji Abraham	Multiwalled carbon nanotubes reinforced flexible blend nanocomposites membranes for pervaporation separation of aromatic-aliphatic mixtures	2022	<i>Polymers and Polymer Composites</i>

Publications 2023

S.N.	Name of Faculty Member	Name of the Research Paper	Year of Publication	Name of the Journal
1	Srilakshmi P Bhaskar	One-pot green synthesis of Ag-and Zn-based monometallic and bimetallic nanostructures and evaluation of their antibacterial activities	2023	Chemical Papers
2	Bijoy P Mathew	One-pot three-component selective annulation strategies for the synthesis of	2023	Multicomponent Synthesis:

		bioactive β -lactam, pyrrole, and pyridine scaffolds		Bioactive Heterocycles
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Publications 2024

S.N.	Name of Faculty Member	Name of the Research Paper	Year of Publication	Name of the Journal
1	Srilakshmi P Bhaskar T Geetha	Synthesis of nano calcium borate using sugarcane bagasse extract as a capping agent and its potential to promote germination in cowpea seeds	2024	Results in Chemistry
	Jiji Abraham	Carbon nanotube filled rubber nanocomposites	2024	Frontiers in Carbon