

## Department of Chemistry

### Dr. Sreekala S Sharma

<b>Titile</b>	<b>Author</b>	<b>Name of the Journal</b>	<b>Year</b>
Polyaniline doped with transition metal acid and naphthalene sulphonicaeffect on electrical properties and photocatalytic activity	Sreekala .S Sharma,ShinyPalaty	Materials Research Express	2018
Greener approach towards the synthesis of titanium dioxide nanostructures with exposed {001} facets for enhanced visible light photodegradation of organic pollutants	AK John, S Palaty, SS Sharma	Journal of Materials Science: Materials in Electronics	2020
Band gap modified Zinc oxide nanoparticles: an efficient visible light active catalyst for waste water treatment	SS Sharma, S Palaty, AK John	International Journal of Environmental Science and Technology	2020

### Dr. Sreedevi K

<b>Titile</b>	<b>Author</b>	<b>Name of the Journal</b>	<b>Year</b>
Synthesis, characterization and catalytic applications of palladium nanoparticle-cored dendrimers stabilized by metal-carbon bonds	Ratheesh Kumar V. K., SreedeviKrishnakumar, KaricalGopidas	European Journal of Organic Chemistry	2012
Organic Nanoparticles Composed of Fréchet-type Dendrons: Synthesis, Characterization, Self-assembly and Reversible Guest Encapsulation	SreedeviKrishnakumar, KaricalGopidas	Journal of Materials Chemistry B	2014
Covalent Functionalization of Organic Nanoparticles by Aryl Diazonium Chemistry and their Solvent-dependent Self-assembly	SreedeviKrishnakumar, KaricalGopidas	Langmuir	2017

### Smt. Anjana V N

<b>Titile</b>	<b>Author</b>	<b>Name of the Journal</b>	<b>Year</b>
Facile synthesis of silver nanoparticles using Azolla caroliniana, their cytotoxicity, catalytic, optical and antibacterial activity	VN Anjana, Ebey P Koshy, Beena Mathew	Materials today: Pro ceedings	2020
Microwave assisted green synthesis of silver nanoparticles for optical, catalytic, biological and electrochemical applications	VN Anjana, Majo Joseph, Sijo Francis, Alex Joseph, Ebey P Koshy, Beena Mathew	Artificial cells, Nanomedicine and Biotechnology	2021

**Smt. Anju Paul**

Titile	Author	Name of the Journal	Year
N-doped photoluminescent carbon dots from water hyacinth for tumour detection	Anju Paul, Manju Kurian	Materials today: Pro ceedings	2020
Facile synthesis of nitrogen doped carbon dots from waste biomass: Potential optical and biomedical applications	Anju Paul, Manju Kurian	Cleaner Engineering and Technology	2021
Recent trends in the use of green sources for carbon dot synthesis–A short review	Manju Kurian, Anju Paul	Carbon Trends	2021