

# Sheela Chandren

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Physicochemical properties and operational stability of Taguchi design-optimized <i>Candida rugosa</i> lipase supported on biogenic silica/magnetite/graphene oxide for ethyl valerate synthesis. <i>Advanced Powder Technology</i> , 2022, 33, 103374.	4.1	3
2	Taguchi orthogonal design assisted immobilization of <i>Candida rugosa</i> lipase onto nanocellulose-silica reinforced polyethersulfone membrane: physicochemical characterization and operational stability. <i>Cellulose</i> , 2021, 28, 5669.	4.9	15
3	Performance of <i>Candida rugosa</i> lipase supported on nanocellulose-silica-reinforced polyethersulfone membrane for the synthesis of pentyl valerate: Kinetic, thermodynamic and regenerability studies. <i>Molecular Catalysis</i> , 2021, 514, 111852.	2.0	4
4	Biosynthesis of Gold Nanoparticles Using <i>Carallia brachiata</i> Leaf Extract and Their Catalytic Application in the Reduction of 4-Nitrophenol. <i>Frontiers in Chemistry</i> , 2021, 9, 800145.	3.6	4
5	Influence of Solvents' Polarity on the Physicochemical Properties and Photocatalytic Activity of Titania Synthesized Using <i>Deinbollia pinnata</i> Leaves. <i>Frontiers in Chemistry</i> , 2020, 8, 597980.	3.6	6
6	Structure and properties of lipase activated by cellulose-silica polyethersulfone membrane for production of pentyl valerate. <i>Carbohydrate Polymers</i> , 2020, 245, 116549.	10.2	6
7	Effect of operative variables and kinetic study of butyl butyrate synthesis by <i>Candida rugosa</i> lipase activated by chitosan-reinforced nanocellulose derived from raw oil palm leaves. <i>Enzyme and Microbial Technology</i> , 2019, 130, 109367.	3.2	25
8	Fire-retardancy of wood coated by titania nanoparticles. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	5
9	Capillary electrophoresis for the analysis of antidepressant drugs: A review. <i>Journal of Separation Science</i> , 2019, 42, 906-924.	2.5	9
10	Oil Palm ( <i>Elaeis guineensis</i> ) Biomass in Malaysia: The Present and Future Prospects. <i>Waste and Biomass Valorization</i> , 2019, 10, 2099-2117.	3.4	128
11	Characterization, optimization and stability studies on <i>Candida rugosa</i> lipase supported on nanocellulose reinforced chitosan prepared from oil palm biomass. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 306-316.	7.5	41
12	One-Dimensional-Like Titania/4- $\beta$ -Pentyl-4-Biphenylcarbonitrile Composite Synthesized Under Magnetic Field and its Structure-Photocatalytic Activity Relationship. <i>Frontiers in Chemistry</i> , 2018, 6, 370.	3.6	4
13	Enzymatic synthesis of butyl butyrate by <i>Candida rugosa</i> lipase supported on magnetized-nanosilica from oil palm leaves: Process optimization, kinetic and thermodynamic study. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 91, 105-118.	5.3	36
14	Titania-Loaded Coal Char as Catalyst in Oxidation of Styrene with Aqueous Hydrogen Peroxide. <i>International Journal of Chemical Reactor Engineering</i> , 2017, 15, .	1.1	3
15	Structure and properties of oil palm-based nanocellulose reinforced chitosan nanocomposite for efficient synthesis of butyl butyrate. <i>Carbohydrate Polymers</i> , 2017, 176, 281-292.	10.2	58
16	Preparation of Titania on Stainless Steel by the Spray-ILGAR Technique as Active Photocatalyst under UV Light Irradiation for the Decomposition of Acetaldehyde. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 698.	2.5	4
17	Textile/ $\text{Al}_2\text{O}_3/\text{TiO}_2$ nanocomposite as an antimicrobial and radical scavenger wound dressing. <i>RSC Advances</i> , 2016, 6, 8188-8197.	3.6	25
18	Hydrophobic effect of silica functionalized with silylated Ti-salicylaldehyde complex on limonene oxidation by aqueous hydrogen peroxide. <i>Journal of Chemical Sciences</i> , 2015, 127, 1905-1917.	1.5	5