

## Research Papers

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
						Link to website of the Journal
Biolubricant Synthesis from a Blend of Dehydrated Castor Oil and Waste Cooking Oil	Surabhi Rajwani and Praveen K.S. Yadav	P.K.S. Yadav	Journal of Test Engineering & Management	2020	0193-4120	<a href="http://www.testmagazine.biz/index.php/testmagazine/index">http://www.testmagazine.biz/index.php/testmagazine/index</a>
Synthesis of Biolubricant and their Applications: An Overview	Surabhi Rajwani and P.K.S. Yadav	P.K.S. Yadav	Journal of Test Engineering & Management	2020	0193-4120	<a href="http://www.testmagazine.biz/index.php/testmagazine/index">http://www.testmagazine.biz/index.php/testmagazine/index</a>
Strategies and Characterization Methods in the Preparation of Polymeric Surfactants for Various Applications	Neeta Singh, S.K. Gupta, P.K.S. Yadav	P.K.S. Yadav	Rasayan Journal of Chemistry	2020	0976-0083	<a href="http://rasayanjournal.co.in/">http://rasayanjournal.co.in/</a>
Comparative study of the methods of chemical modification of dehydrated castor oil for synthesis of biolubricant	Surabhi Rajwani and P.K.S. Yadav	P.K.S. Yadav	Asian Journal of Chemistry	2021	9707077	<a href="https://asianjournalofchemistry.co.in/Home.aspx">https://asianjournalofchemistry.co.in/Home.aspx</a>
Synthesis of biolubricant via Chemical Modification from Vegetable Oil Blend using Heterogeneous Catalyst	Surabhi Rajwani and P.K.S. Yadav	P.K.S. Yadav	Asian Journal of Chemistry	2021	9707077	<a href="https://asianjournalofchemistry.co.in/Home.aspx">https://asianjournalofchemistry.co.in/Home.aspx</a>
Synthesis and Performance Evaluation of Green Anionic Polymeric Surfactant for Detergent Application	Neeta Singh, S. K. Gupta, P. K. S. Yadav	P.K.S. Yadav	Asian Journal of Chemistry	2021	9707077	<a href="https://asianjournalofchemistry.co.in/Home.aspx">https://asianjournalofchemistry.co.in/Home.aspx</a>
RSM-Based optimization approach in production of Anionic methyl ester sulfonate for commercial detergent application	Neeta Singh, S. K. Gupta, P. K. S. Yadav	P.K.S. Yadav	J. Inst. Eng. India Ser. E.	2021	22502483	<a href="https://www.springer.com/journal/40034">https://www.springer.com/journal/40034</a>
Clay Catalyzed Dimerization of Linseed Oil: Synthesis of Linseed Oil Dimers	Gaurav Singh, Surabhi Rajwani, P.K.S. Yadav	P.K.S. Yadav	International Journal of Research in	2021	2320-9364	<a href="https://www.ijres.org/">https://www.ijres.org/</a>

			Engineering and Science			
Synthesis & Characterization of Biosurfactant using waste from oil processing industry as substrate by <i>Pseudomonas aeruginosa</i> (MTCC 424)	Ashutosh Mishra, & Rakesh Kumar Trivedi	R. K. Trivedi	Rasayan Journal of Chemistry	2019	0976-0083	<a href="http://rasayanjournal.co.in/">http://rasayanjournal.co.in/</a>
Coconut Oil Based Low Temperature Hair Oil Formulations	S C Mishra, and R K Trivedi	R. K. Trivedi	TEST Engineering and Management	2020	0193-4120	<a href="http://www.testmagazine.biz/index.php/testmagazine/index">http://www.testmagazine.biz/index.php/testmagazine/index</a>
Coconut oil based low temperature liquid hair oil formulations with ester modification	S C Mishra, and R K Trivedi	R. K. Trivedi	TEST Engineering and Management	2020	0193-4120	<a href="http://www.testmagazine.biz/index.php/testmagazine/index">http://www.testmagazine.biz/index.php/testmagazine/index</a>
Coconut oil based liquid hair oil formulations with BUTYL Esters and ETHYL Esters modification	S C Mishra, and R K Trivedi	R. K. Trivedi	TEST Engineering and Management	2020	0193-4120	<a href="http://www.testmagazine.biz/index.php/testmagazine/index">http://www.testmagazine.biz/index.php/testmagazine/index</a>
Coconut oil based low temperature liquid hair oil formulation: A Review	S C Mishra, and R K Trivedi	R. K. Trivedi	TEST Engineering and Management	2020	0193-4120	<a href="http://www.testmagazine.biz/index.php/testmagazine/index">http://www.testmagazine.biz/index.php/testmagazine/index</a>
A comparative study of biosurfactant preparation by <i>Pseudomonas aeruginosa</i> , MTCC 424 using ricebran oil & soyabean oil substrate	Ashutosh Mishra, & Rakesh Kumar Trivedi	R. K. Trivedi	Journal of Indian Chemical Society	2020	194522	<a href="https://www.sciencedirect.com/journal/journal-of-the-indian-chemical-society">https://www.sciencedirect.com/journal/journal-of-the-indian-chemical-society</a>
Optimization of process inputs for the synthesis of waste rice bran oil isolated <i>Pseudomonas aeruginosa</i> MTCC 424 biosurfactant using response surface methodology for oil recovery applications	Ashutosh Mishra, G. M. Saud, Shashi Bala Gautam, and Rakesh Kumar Trivedi	R. K. Trivedi	Bioresource Technology	2021	9608524	<a href="https://www.journals.elsevier.com/bioresource-technology">https://www.journals.elsevier.com/bioresource-technology</a>
Biosurfactants: Characterization by <i>Pseudomonas aeruginosa</i> , Analysis techniques and application taking rhamnolipid as an example	Ashutosh Mishra, & Rakesh Kumar Trivedi	R. K. Trivedi	International Journal of Chem. Tech.	2021	2455-9555	
Molecular characterization of blue-green algae ( <i>Anabaena constricta</i> ) and comparative studies of	Vinaya Tiwari, Alok Das, Shallu	R. K. Trivedi	Indian Journal of Chemical Technology	2021	0975-0991	<a href="http://nopr.niscair.res.in/">http://nopr.niscair.res.in/</a>

biodiesel production from other species	Thakur & R K Trivedi					<a href="https://doi.org/10.1016/j.jmb.2018.08.001">handle/123456789/55</a>
Selection of Indigenous Algal Species for Potential Biodiesel Production	Vinaya Tiwari, Alok Das, Shallu Thakur & R K Trivedi	R. K. Trivedi	Journal of Pure Applied Microbiology	2021	9737510	<a href="https://microbiologyjournal.org/">https://microbiologyjournal.org/</a>
Castor Oil-Based Nanolubricants: An Overview	Jyoti Srivastava, Tandra Nandi, Rakesh K. Trivedi	R. K. Trivedi	Asian Journal of Chemistry	2021	9707077	<a href="https://asianjournalofchemistry.co.in/Home.aspx">https://asianjournalofchemistry.co.in/Home.aspx</a>
Multi-Component Template Effects <sup>2</sup> - Preparation of Highly Porous Polyaniline Nano Rods using Crude Lemon Juice and its Application for Selective Detection of Catechol	Vineeta Gautam, Vijay Laxmi Yadav	Dr. Vineeta Gautam	ACS Sustainable Chem. Eng.	2018	2168-0485	<a href="https://pubs.acs.org/doi/pdf/10.1021/acssuschemeng.7b03705">https://pubs.acs.org/doi/pdf/10.1021/acssuschemeng.7b03705</a>
Polyaniline/ MWCNTs /Starch modified Carbon Paste Electrode for Non-enzymatic Detection of Cholesterol: Application to Real Sample (Cow Milk)	Vineeta Gautam, Vijay Laxmi Yadav	Dr. Vineeta Gautam	ACS Sustainable Chem. Eng.	2018	2168-0485	<a href="https://pubmed.ncbi.nlm.nih.gov/29387950/">https://pubmed.ncbi.nlm.nih.gov/29387950/</a>
Preparation and Characterization of Green-nano-composite Material based on Polyaniline, Multiwalled Carbon Nano Tubes and Carboxymethyl Cellulose: for Electrochemical Sensor Applications	Vineeta Gautam, Vijay Laxmi Yadav	Dr. Vineeta Gautam	Carbohydrate Polymer	2018	0144-8617	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0144861718301772">https://www.sciencedirect.com/science/article/abs/pii/S0144861718301772</a>
Polyaniline/ MWCNTs/Starch nanocomposite material and hemoglobin modified carbon paste electrode for hydrogen peroxide and glucose biosensing	Vineeta Gautam, Vijay Laxmi Yadav	Dr. Vineeta Gautam	International Journal of Biological Macromolecules	2018	0141-8130	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0141813017349656">https://www.sciencedirect.com/science/article/abs/pii/S0141813017349656</a>