


Name of Teaching Staff	: Dr. Sameera Ajit Rege	
Designation	: Assistant Professor	
Department	: Applied Science & Humanities (Chemistry section)	
Date of Joining the Institution	: 4 th July 2011	
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Vidwan Link	: https://vidwan.inflibnet.ac.in/profile/302943	
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Researchgate Link:	https://www.researchgate.net/profile/Sameera-Rege	
ORCID	https://orcid.org/my-orcid?orcid=0000-0001-9226-0931	
Publons Researcher ID:	--	
Qualifications with Class / Grade	: <ol style="list-style-type: none"> 1. Ph.D. (Sci.) from University of Mumbai, March 2011. 2. M.Sc. from University of Mumbai with Ist Class (67.20%) in June, 2001. 3. B.Sc. from University of Mumbai, with Ist Class (79.13%) in June, 1999 (Merit rank = 50th). 	
Total Experience in Years	: <p>Teaching: 12 years</p> <ol style="list-style-type: none"> 1. Assistant Professor D.J. Sanghvi College of Engineering from 4.7.2011 till date. 2. Lecturer (Ad-hoc) D.J. Sanghvi College of Engineering from 10.1.2011 to 31.6.2011 (6 Months). 3. Visiting Faculty, D.J. Sanghvi College of Engineering, from 11.8.2010 to 30.10.2010. 4. Visiting Faculty, Mukesh Patel School Technology Management & Engineering, from 1.8.2010 to 16.10.2010. <p>Industry: 4 years 4 months</p> <ol style="list-style-type: none"> 1. Member of Content Team, ROW2 Technologies India Pvt. Ltd. From 1.2.2002 to 18.4.2003. 2. Trainee, IPCA Laboratories Ltd., from 1.7.2003 to 31.12.2003. 3. Research Associate, Analytical Research, IPCA Laboratories Ltd., from 1.1.2004 to 27.9.2006. <p>Research: 4 years</p> <p>Research fellow at Department of Oils, Oleochemicals and Surfactants Technology, Institute of Chemical Technology (Formerly UDCT), Matunga, Mumbai. Worked in the field of "Nutraceuticals".</p>	

Papers Published in Journal:

:

National: --
International: 14

1. *“Stabilization of emulsion and butter like products containing essential fatty acids using kalonji seeds extract and curcuminoids”* in Journal of Oleo Science (2012), **61(1)**, 11-16.
2. *“Formulation of a functional fat spread stabilized by natural antioxidants and emulsifiers”* in Malaysian Journal of Nutrition (2013), **19(1)**, 121-129.
3. *“Effect of demethoxycurcumin and bisdemethoxycurcumin on antioxidant activity of curcumin in refined sunflower oil”* in Journal of Food Processing and Preservation (2014), **38(1)**, 296-303.
4. *“Effect of ascorbic acid on the oxidative stability of water- in-oil emulsion in presence of lipophilic antioxidants”* in International Journal of Food Properties (2015), **18(2)**, 256- 259.
5. *“Synergistic antioxidant activity of capsicum oleoresin, lecithin and curcuminoids in sunflower oil”* in International Journal of Food Processing Technology (2017), **4(1)**, 6-11.
6. *“Effect of purification on the antioxidant activity of ajowan extract in refined sunflower oil”* in Journal of Food and Nutritional Disorders (2017), **6(2)**, 1-5.
7. *“Pro- and antioxidant activity of curcuminoids with lecithin in sunflower oil”* in Ukrainian Food Journal (2017), **6(3)**, 1-5.
8. *“Synergistic antioxidant activity of clove oleoresin with capsicum oleoresin and kalonji seeds extract in sunflower oil”* in International Journal of Nutritional Disorders and Therapy (2018), **2(1)**, 1-6.
9. *“Structure activity relationship of tautomers of curcumin: a review”* in Ukrainian Food Journal (2019), **8(1)**, 45-60.
10. *“Mini review on Keto-Enol ratio of curcuminoids”* in Ukrainian Journal of Food Science (2019), **7(1)**, 27-32.
11. *“A Mini-Review: Comparison between curcumin and tetrahydrocurcumin based on their activities”* in Croatian Journal of Food Science and Technology (2021), **13(1)**, 128-132.
12. *“Effect of medium on the activity of eugenol: A Mini-Review”* in Current Nutrition and Food Science (2022), **18(9)**, 799-802.
13. *“A Short Review on efficacy of derivatives of curcumin”* in Current nutraceuticals (2022), **3(3)**, 1-5.

Papers Presented in Conferences	<p>14. <i>“Food fortification using essential fatty acids and antioxidants: A Short Review”</i> in Current Functional Foods (2023), 1(2), 1-4.</p> <p><u>National:</u> -- 2</p> <p>1. “Nutraceutical Edible Oil” presented at Young Researchers’ Conference, held on 16th Jan 2010 at ICT, Mumbai, India.</p> <p>2. “Production of Artificial Hydrocarbons and Alcohols from CO₂-A Complete Green Route” presented at 10th Annual Session of Student’s Chemical Engineering Congress 2014, held on 19th – 20th September 2014 at Chandigadh, India.</p> <p><u>International:</u> -- 3</p> <p>1. “Value addition of Sunflower oil using natural antioxidant” presented at 100th Annual AOCS Conference, held on 3rd - 6th May, 2009 at Florida, Orlando, USA.</p> <p>2. “Preparation of Sunflower oil based products using Curcuminoids” presented at 100th Annual AOCS Conference, held on 3rd - 6th May, 2009 at Florida, Orlando, USA.</p> <p>3. “Pro- and antioxidant activity of curcuminoids with lecithin in sunflower oil” presented at 6th International Specialized Scientific and Practical Conference, held on 12th September 2017 at Kyiv, Ukraine.</p>	
Books Published / IPRs / Patents	<p>1. Co-author of <i>“Engineering Chemistry”</i> for Dr. Babasaheb Ambedkar Technological University, Lonere. Nirali Prakashan, First edition Published in August 2017. ISBN 978-93-86700-76-6.</p> <p>2. Co-author of <i>“Numericals in Engineering Chemistry”</i> Nirali Prakashan, First edition Published in August 2017. ISBN 978-93-86943-12-5.</p> <p>3. Co-author of <i>“A textbok of Engineering Chemistry - I”</i> for Mumbai University. Nandu Prakashan, First edition Published in September 2019. ISBN 978-93-85241-33-8.</p> <p>4. Co-author of <i>“Chemistry - I”</i> as per Latest AICTE Model Curriculum. Nandu Printers and Publishers Private Limited, First edition Published in February 2020. ISBN 978-93-85241-35-2.</p>	
Area of Specialization	Ph.D. (Sci.) in Chemistry.	
Professional Memberships	<p>: 1. Life Member of Oils Technologists’ Association of India.</p> <p>2. Member of Local Organizing Committee of 11th Annual Session OYCE Conference, held in March 2015 at Mumbai, India.</p>	
Subjects Taught	<p><u>UG Level:</u></p> <ul style="list-style-type: none"> • <p><u>PG Level:</u></p> <ul style="list-style-type: none"> • 	<p>Engineering Chemistry, Advanced Chemistry</p> <p>--</p>

Projects Guided	: <u>UG Level:</u> -- Nil <u>PG Level:</u> -- Nil				
Recommended Students for Higher Education	<table border="1"> <thead> <tr> <th data-bbox="477 331 967 376"><u>Name of the Student</u></th> <th data-bbox="967 331 1511 376"><u>University/Industry</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="477 376 967 481"></td> <td data-bbox="967 376 1511 481"></td> </tr> </tbody> </table>	<u>Name of the Student</u>	<u>University/Industry</u>		
<u>Name of the Student</u>	<u>University/Industry</u>				
Institute/Department Responsibility handled:	<ol style="list-style-type: none"> 1. Setting question paper, evaluating answer sheets. 2. Member of Admission committee. 				