

Name of Teaching Staff : Dr. Sameera Ajit Rege  
Designation : Assistant Professor  
Department : Science & Humanities (Chemistry section)  
Date of Joining the Institution : 4<sup>th</sup> July 2011  
Email ID : sameera.rege@djsce.ac.in  
Office Contact : +9122-42331259  
Vidwan Link : <https://vidwan.inflibnet.ac.in/profile/302943>



Google Scholar Link: --

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 :  
1. Ph.D. (Sci.) from University of Mumbai, March 2011.  
2. M.Sc. from University of Mumbai with I<sup>st</sup> Class (67.20%) in June, 2001.  
B.Sc. from University of Mumbai, with I<sup>st</sup> Class (79.13%) in June, 1999 (Merit rank = 50<sup>th</sup>).

Total Experience in Years : **Teaching: 14 years 8 months**  
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.

**Industry: 4 years 4 months**

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.

**Research: 4 years**

Research fellow at Department of Oils, Oleochemicals and Surfactants Technology, Institute of Chemical Technology (Formerly UDCT), Matunga, Mumbai. Worked in the field of "Nutraceuticals".

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.

14. *“Food fortification using essential fatty acids and antioxidants: A Short Review”* in Current Functional Foods (2023), **1(2)**, 1-4.

**National: -- 2**

Papers Presented in Conferences

1. “Nutraceutical Edible Oil” presented at Young Researchers’ Conference, held on 16th Jan 2010 at ICT, Mumbai, India.
2. “Production of Artificial Hydrocarbons and Alcohols from CO<sub>2</sub>-A Complete Green Route” presented at 10th Annual Session of Student’s Chemical Engineering Congress 2014, held on 19th – 20th September 2014 at Chandigarh, India.

**International: -- 3**

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.
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.
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.

Area of Specialization

Ph.D. (Sci.) in Chemistry.

Professional Memberships

- : 1. Life Member of Oils Technologists’ Association of India.
2. Member of Local Organizing Committee of 11<sup>th</sup> Annual Session OYCE Conference, held in March 2015 at Mumbai, India.

Subjects Taught

**UG Level:** Engineering Chemistry,  
• Advanced Chemistry

**PG Level:**

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Projects Guided

: **UG Level:** -- Nil

**PG Level:** -- Nil

Recommended Students for Higher Education

**Name of the Student**

**University/Industry**

Institute/Department Responsibility handled:

1. Member of Admission committee.
2. Course Structure preparation of First Year.