

## FACULTY PROFILE

### PersonalDetails

**Name** : Dr.I R.CELINE ROSE  
**Designation** : ASSISTANT PROFESSOR  
**Department** : CHEMISTRY  
**DateofBirth** : 27-04-1988  
**ContactAddress** : No-104,2<sup>nd</sup> Murugesan Nagar, Pathrikuppam  
**MobileNo** : 9360337471  
**E-mail** : shineyceline@gmail.com



**Area of specialization:** Inorganic Chemistry, Physical Chemistry, Material Science

### EducationalQualification

Degree/ Diploma	Subject	Institution/University	Yearof Completion	Grade/ Percentage
Ph.D	Chemistry	Loyola College- Chennai	2019	Highly commended
M.Sc	Chemistry	AVC College- Nagercoil	2010	70 %
B.Sc	Chemistry	AVC College-Nagercoil	2008	71%
B.Ed	Physical Science	R.P.A College of Education	2011	78%

## Teaching Experience

Sl.No.	Name of the college/institution	Year		Service	
		From	To	Year(s)	Month(s)
1.	Womens Christain College- Chennai	June-2017	October-2017		6
2.	Immaculate College for women	April-2022	Till date		

## Orientation/Refresher/Faculty Development Programme Attended

Title of the Programme	Place	DATE

## Workshop/Seminar Programme Attended

Title of the Programme	Place	DATE
National Workshop on Microscale Experiments in Physical Chemistry for College Teachers,	Stella Mari's College, Chennai.	23 & 24 November 2012,
State Level Workshop on Microscale Experiments in Physical Chemistry	V.V.Vanniaperumal College for Women, Virudhunagar	29 <sup>th</sup> January 2015
Microscale Experiments in Physical Chemistry	Microscale Experiments in Physical Chemistry	19 <sup>th</sup> September 2015

## National/International Conference Attended

Title of the Conference	Place	DATE
National Conference on Recent Advances in Photonics (NCRAP-2013)	Meenakshi College for Women, Chennai	8 & 9 February 2013
National Conference on Recent Advances in Materials (NCRAM-2013)	B.S Abdur Rahman University Chennai	9 & 10 April 2013
Recent Advances in Mechanical Engineering and Interdisciplinary Developments (NCNP-2014)	Ponjesly College of Engineering College, Nagercoil	7 & 8 March 2014

## Research Papers Presented

Title of the Paper	Place	DATE
Functionalization of mesoporous materials with CdSe and ZnSe nanoparticles for enhancing the performance of DSSC	Loyola College, Chennai	22 & 23 February 2018
Synthesis and characterization of SBA-15 mesoporous materials	PSN College of Engineering and Technology, Tirunelveli	7- 10 September 2016
Dielectric properties of cadmium selenide nanoparticles	Eswari Engineering College, Ramapuram, Chennai	4 & 5 May 2016
Synthesis, characterization, surface modification of ZnSe nanoparticles and solar cell	Department of Analytical Chemistry, University of Madras, Chennai.	28 & 30 December 2015
Synthesis, characterization of ZnSe and Ni doped ZnSe nanoparticles for photovoltaic devices	Madurai Kamaraj University, Madurai	11 & 12 December 2015
Structural, optical, dielectric and photovoltaic application of Mn doped ZnSe nanoparticles	Anna University, BIT Campus, Tiruchirappalli	16 & 17 October 2015
Synthesis and characterization of Si-SBA, -SBA material and its application	CRSI, Department of Chemistry, NIT, Trichy.	23 & 25 July 2015
Synthesis and characterization CdSe nanoparticles	SIET College, Teynampet.	21 <sup>st</sup> January 2015
Evaluation of solar cell efficiency for the newly synthesized cadmium selenide quantum dots	Madurai Kamaraj University, Madurai	23 & 24 July 2014
Synthesis and Characterisation of Biodiesel from vegetable oil using Nanocatalyst	University of Madras, Chennai	20 & 21 June 2014
Structural, optical, and dielectric properties of cadmium selenide nanoparticles	St. Xavier's Catholic College of Engineering, Nagercoil	10 & 11 April 2014
Synthesis and dielectric characterisation of Cu, Ni, doped cadmium selenide nanoparticles	Bharathidasan University, Tiruchirappalli	6 & 7 March 2014
Synthesis and Characterisation of Biodiesel from vegetable oil using Nanocatalyst	Stella Maris College, Chennai, Tamilnadu.	24 & 25 January 2013

## Research Papers Published

Title of the Paper	Journal	ISSN/Volume/Year
Enhanced Photovoltaic Performance of Dye Solar Cells using Cu and Mn doped CdSe Nanoparticles	Int.J.chem.tech.res.,	vol.12, pp.266-275, 2019.
Exploring the effect of morphology of Ni and Co doped cadmium selenide nanoparticles as counter electrodes in dye-sensitized solar cell,	<i>Optik.,</i>	vol. 155, pp. 63–73, 2018.
Effect of Dopants on the Performance of ZnSe Nanoparticles as Photocathode for Dye Sensitized Solar Cell	<i>J.Nanomater. Mol. Nanotechnol.,</i>	vol. 7, pp. 1–7, 2018.
Effect of reaction time on the synthesis of cadmium selenide nanoparticles and the efficiency of solar cell	<i>J.Mater. Environ. Sci.,</i>	vol. 7, pp. 1589–1596, 2016.
Dielectric and conductivity studies of cadmium selenide nanorod and the efficiency of solar cell,”	Inter. J. Sci. Res. Mod. Edu.,	vol. 6, pp. 78–87, 2016.
Schiff base transition metal complexes as sensitizer in dye-sensitized solar cell ”	<i>Inter. J. of Sci. Res. Mod. Edu.,</i>	vol. 8, pp 57-63 ,2016.
Dielectric and conductivity studies of stereo-selectively synthesized d- and l-nor-ephedrine,”	<i>J. Therm. Anal. Calorim.,</i>	vol. 119, pp. 369–379, 2015.
Structural , Optical , Dielectric and Photovoltaic Application of Mn , doped Zinc Selenide Nanoparticles,”	J. Chem. Pharm. Sci.,	vol. 1, pp. 43–46, 2015.
Synthesis and dielectric properties of CdO nanoparticles for the fabrication of dye sensitized solar cell,”	<i>J. Chem. Pharm. Sci.,</i>	vol.5, pp. 66–68, 2015.
Synthesis and characterization of zinc selenide nanoparticles at various reaction time.”	Int. J. Innov. Res. Sci. Eng.,	vol. 2, pp. 553-557, 2014.

## Key Positions/Responsibilities Held / Holding

Position/Responsibility	Institution/Organization	Period	
		From	To
JRF	UGC	2012	2015

## Project Guidance

S.No	Project Guided	No.of Students
	UG	-
	PG	-
	M .Phil	-

## Other Details (if any)

S.No	Details (Resource Person)
1	National Level Workshop on Green Chemical Approach in Physical Chemistry Experiments -MICRO CHEM -2016 August09-11, 2018, Loyola College, Chennai
2	National Level Workshop on Green Chemical Approach for Physical Chemistry Experiments - CHEMICRESTA-2016, 10 <sup>th</sup> February 2016, Jairam Arts and science College, Salem.
3	National Level Workshop on Green Chemical Approach in Physical Chemistry Experiments -MICRO CHEM -2016 August09-11, 2018, Loyola College, Chennai.