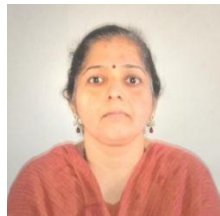


Dr. Savita P Somani
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 M.Sc. (Organic Chemistry)

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Photo

Academic Qualification:

Degree	Institute Name	University Name	Year of Passing	Percentage	Class	Qualification Status
Ph. D.	Chubu University, Japan	Chubu University, Japan	(March 2009)	---	---	Completed
M.Sc	Department of Chemistry, Pune, INDIA.	Pune University	1998	68 %	First Class	Completed
B.Sc	Tuljaram College of Arts, Commerce and science	Pune University	1996	78%	First Class	Completed
H. S. C	H. S. C. Board, Pune Division	Maharashtra State Board	1993	75%	First Class with Distinction	Completed
S.S.C	S.S.C.Board,Pune Division	Maharashtra State Board	1991	84%	First Class with Distinction	Completed

Experience:

Name of Organization	Post	Organization Category	Appointment Status	Duration
Smt Kashibai Navale College of Engineering, Vadgaon, Pune	Assistant Professor	Education	Full time/ Ad Hoc	17 July 2018 till date

Applied Science Innovations Pvt. Ltd.	Director	Industry	Full Time	April 2009 – 16 July 2018
Rajiv Gandhi Institute for Information Technology and Biotechnology, Bharati Vidyapeeth University, Pune	Visiting Lecturer (June 2009 - April 2010)	Education	Temporary	June 2009 - April 2010
Department of Electrical and Electronic Engineering, Chubu University, Japan.	Research Fellow	Education	Temporary	October 2005 - March 2009
National Chemical Laboratory (NCL), Pune, India.	Senior research Fellow (CSIR Govt. of India)	R and D	Temporary	June 2003 – 16 May 2005
National Chemical Laboratory (NCL), Pune, India.	Project Assistant	R and D	Temporary	Dec. 2001- June 2003
National Chemical Laboratory (NCL), Pune, India.	Project Assistant	R and D	Temporary	June 1998 to Sept. 2000

FDP / STTP / Refresher Prog / NPTEL approved by AICTE / TEQIP:

Training Title	Arrange d By	Venue	Date	Level	Approved by	Type
Future perspectives of Nanotechnology	Sinhgad Technical Education society	Pune	9 Nov- 11 Nov 2020	Institute	--	FDP

Sophisticated Analytical Instruments: Principles and Applications to Chemical and Material sciences	Sinhgad College of Engineering	Pune	21-25 July 2020	Institute	--	FDP
Writing and Publishing Quality Research Papers in Scholarly Top Tier Journals	RMD Sinhgad School of Engineering	Warje Pune	19-20 July 2020	Institute	--	FDP
Spoken Tutorial Technology	Department of Mechanical Engineering SKNCOE, IIT Bombay	Pune	18-22 May 2020	National	--	FDP
Solar Photovoltaics, Fundamentals, Technology and Applications	NPTEL	Pune	July-Sept 2019	National	NPTEL AICTE	FDP
Online Faculty Awareness Program on NAAC	IQAC Cell, SKNCOE	Pune	17 May 2020	Institute	--	STTP
Nanotechnology, Science and Applications	JSPM Rajarshi Shau	Pune	26 – 31 st October 2020	University	AICTE	STTP
Train the Trainers-2020	STES, NBN Sinhgad School of Engineering	Pune	1,3,6 January 2020	Institute	--	FOP
Recent Trends in Nanotechnology	Pravara Rural Engineering college, loni	Pune	28/12/21 to 03/01/2022	National	AICTE, ISTE	FDP

Workshops Attended:

Workshop Topic	Conducted By	Date	Level	Category	Type
PICT Chemistry Virtual lab	PICT, Pune- 43	08/03/2021	College	--	--
Virtual lab Hand on workshop	Nodal Centre 227- Sinhgad College of Engineering, Pune university	10 December 2021	Institute		

Seminar / Webinar Attended:

Topic	Conducted By	Date	Level	Category	Type
Womens Entrepreneurship Challenges and opportunities	SKNCOE	24-25 February 2020	National commission for women	Seminar	

Conference Details:

Name	Venue	Date	Level	Category	Type	Sponsor ed By
4 th International conference on “ Ideas, Innovations, Impact in Science & Technology (ICIIST- 2021).”	Smt Kashibai Navale College of Engineering	17 June 2021	International			
17 th CRSI National symposium in Chemistry	CSIR, NCL Pune	6 -8 February 2015	National	IISER, Pune, SPPU	Symposium	CRSI
Raman Memorial Conference - 2013	Department of Physics, University of Pune	22-23 February 2013	National	SPPU	Conference	SPPU

“National Seminar on New Challenges in Chemistry and Nanoscience (NCCNS-2012	Bharati Vidyapeeth University, Pune, India	13 -14 February 2012	National	SPPU	Conference	
Carbon 2008 : International Conference on Carbon and World Conference on Carbon”,	Nagano, Japan	13 – 18 July 2008	International		Conference	
Japan Society of Applied Physics (JSAP) 69 th Autumn Meeting 2008	Chubu University, Japan	(2 – 5 September 2008).	International		Conference	
4 th International Conference on Molecular Electronics and Bioelectronics (M-BE4)”	University of Tokyo, Tokyo, Japan	(14 – 16 March 2007).	International			
International Conference on New Diamond and Nano Carbons (NDNC 2007	Senri Life Science Centre, Osaka, Japan	28 – 31 May 2007	International			
17 th International Photovoltaic Science and Engineering Conference (PVSEC-17)	Fukuoka International Congress Centre, Fukuoka, Japan	3 – 7 December 2007	International			
7 th International Conference on The Science and Applications of Nanotubes, Nanotube 2006 (NT06)”,	Nagano Japan.	18-23 June 2006	International		Conference	

Research Papers : Total = 27

ISSN / ISBN No.	Paper Title	Publication Date	Journal / Conference Name	Level	Paper Status	Authors
2582-3418	Is Photocatalysis a viable process for the textile industry waste water treatment?	20 June 2019	Catalytica	International	Published	Sadhna A Sawant, Savita. P. Somani and S. K. Omanwar, Prakash R. Somani
0974 – 0546	Washing cloths photocatalytically to reduce global water pollution	07/04/ 2018	Carbon – Science and Technology			Sadhna A. Sawant, Savita. P. Somani and S. K. Omanwar , Prakash R. Somani
2164-7585	Chemical and photocatalytic degradation of crystal violet dye by Indian Edible chuna (Calcium oxide/hydroxide)	2015	Journal of Green Science and Technology (ASP)-	International	Published	Sadhna A. Sawant, Savita. P. Somani and S. K. Omanwar , Prakash R. Somani
ISSN: 1555-130X (Print); EISSN: 1555-1318 (Online)	Volatile Organic compounds are ghosts for organic solar cells	2014	Journal of Nanoelectronics and Optoelectronics 6/4 (2014) 04010-1 to 04010-2	International	Published	P. R. Somani, Savita. P. Somani and M. Umeno
ISSN: 2164-6627 (print); EISSN: 2164-6635	Photocatalytic degradation of methylene blue dye in distilled and sea water using Indian	2014	Advanced Science Engineering and Medicine – 6/2 (2014) 227 – 230. (TC= 1).	International	Published	S. A. Sawant, Savita P. Somani S. K. Omanwar, P. R. Somani

(online)	Edible Chuna (Calcium oxide / hydroxide) as					
2164-7585	Environment-friendly synthesis of nano-structured conducting polyaniline using lemon juice.	2013	Journal of Green Science and Technology (ASP)-	International	Published	N. A. R. Deshpande, Savita P. Somani , S. D. Chakane, P. G. Saptarshi and Prakash R Somani
2164-7585	Antibacterial activity of Prussian Blue	2013	Journal of Green Science and Technology – 1/1 (2013) 27 - 29	International	Published	A. K. Roy, Savita P. Somani , A. Nene, Bipinraj N. K., P. R. Somani
2164-7585	Indian Edible Chuna (Calcium oxide / hydroxide) as a Green Photocatalyst	2013	Journal of Green Science and Technology – 1/1 (2013) 2 - 5. (TC = 1).	International	Published	S. A. Sawant, Savita P. Somani , A. H. Jadhav, A. Nene, S. K. Omanwar and P. R. Somani
ISSN Print: 2160-6951 ISSN Online: 2160-696X	Simultaneous waste water purification via photocatalysis and seed germination	2013	Green and Sustainable Chemistry 3, 129 - 133.	International	Published	S. A. Sawant, A. Nene, Savita P. Somani , S. K. Omanwar, Prakash R. Somani
0925-9635	Platinum and Ruthenium nanoparticles decorated multi-walled carbon nanotubes as electrodes for polymer	2009 , 497 – 500 (TC = 21, IF = 1.906	Diamond and Related Materials 18	International	Published	P. R. Somani, Savita P. Somani , A. Sato and M. Umeno.

	electrolyte membrane fuel cells					
1567-1739	Carbon Nanofibers and multiwalled carbon nanotubes from camphor and their field electron emission.	2009	Current Applied Physics 9/1 (2009) 144 – 150 (TC = 22, IF = 1.707	International	Published	P. R. Somani, Savita. P. Somani , A. Yoshida, M. Tanemura, S. P. Lau, M. Umeno.
0003-6951 (printed edition) 1077-3118 (Online)	Application of metal nanoparticles decorated carbon nanotubes in photovoltaics.	(2008)	Applied Physics Letters 93, 033315 – 1 - 3 (TC = 42, IF = 4.2).	International	Published	P. R. Somani, Savita. P. Somani , M. Umeno
0925-9635	Taguchi optimization of device parameters for Fullerene and Poly(3-Octyl thiophene) based heterojunction photovoltaice devices.	(2008)	Diamond and Related Materials 17 , (2008)799 – 803 (TC = 2, IF = 1.906	International	Published	G. Kalita, S. Adhikari, H. R. Aryal, P. R. Somani, Savita. P. Somani , M.
0925-9635	Carbon Nanotube incorporation : A new route to improve the performance of organic-inorganic heterojunction Solar Cells	2008	Diamond and Related Materials 17 (2008) 585 – 588 (TC = 31, IF = 1.906).	International	Published	P. R. Somani, Savita. P. Somani , M. Umeno.
0974 – 0546	Single crystals of Fullerene (C60) makes organic thick	2008	Carbon – Science and Technology 1 (2008) 1 – 3 (TC = 1).	International	Published	P. R. Somani, Savita. P. Somani , M.

	film solar cells and self-supporting organic solar cells possible.					Umeno.
1386-9477	Photocarrier injection effect in hydrogenated amorphous carbon doped with nitrogen / p-silicon heterostructures.	2008	Physica E : Low Dimensional Systems and Nanostructures 40/8 (2008) 2783 – 2786 (TC = 1, IF = 3.383).	International	Published	P. R. Somani, Savita. P. Somani , M. Umeno.
0038-1101	Field electron emission of multiwalled carbon nanotubes and carbon nanofibers grown from camphor.	2008	Solid State Electronics 52 (2008) 941 - 945 (TC = 3, IF = 1.391).	International	Published	P. R. Somani, Savita. P. Somani , A. Yoshida, M. Tanemura, S. P. Lau and M. Umeno
	Double walled carbon nanotubes incorporated donor-acceptor type organic photovoltaic devices using poly(3-octylthiophene) and fullerene (C ₆₀).	2008	Japanese Journal of Applied Physics – Special Issue on Molecular Electronics and Bioelectronics, 47/2 (2008) 1219 – 1222 (TC = 8, IF = 1.018). Virtual Journal of Nanoscale Science and Technology 17/10 (2008).	International	Published	Savita. P. Somani , P. R. Somani, E. Flahaut, G. Kalita, M. Umeno.
0925-9635	Carbon nanocapsules encapsulating cobalt nanoparticles by pulsed discharge plasma chemical vapor deposition.	2008	Diamond and Related Materials 17 (2008) 576 – 580 (TC = 6, IF = 1.906).	International	Published	P. R. Somani, Savita. P. Somani , M. Noda, M. Umeno.

0003-6951 (printed edition) 1077-3118 (Online) ISSN 1553-9644	Towards organic thick film solar cells : Three dimensional bulk heterojunction organic thick film solar cell using fullerene single crystal nanorods.	2007	Applied Physics Letters 91 (2007) 173503-1 to 173503-3 (TC = 42, IF = 4.2). Virtual Journal of Nanoscale Science and Technology 16/19 (2007). TOP 20 Most Downloaded Articles (October 2007).	International	Published	P. R. Somani, Savita. P. Somani , M. Umeno.
0031-8965	Self vertically aligned conical carbon nanofibers by pulsed discharge plasma chemical vapor deposition and its field electron emission.	2007	Physica Status Solidi (a) 204/9 (2007) 3096 – 3101 (TC = 2, IF = 1.472)	International	Published	P. R. Somani, Savita. P. Somani , A. Yoshida, T. Suzuki, M. Noda, M. Tanemura, S. P. Lau, M. Umeno.
Online IS SN: 1361-6528. Print ISSN N: 0957-4484. I	Improving photovoltaic response of Poly(3-octylthiophene)/n-Si heterojunction by incorporating double walled carbon nanotubes.	2007	Nanotechnology 18 (2007) 185708 -1 to 185708 - 5 (TC = 28, IF = 2.993).	International	Published	P. R. Somani, Savita. P. Somani , E. Flahaut, M. Umeno
0038-1101	Field electron emission of Double Walled Carbon Nanotube film prepared by		Solid State Electronics 51 (2007) 788 - 792 (TC = 22, IF = 1.391).	International	Published	P. R. Somani, Savita. P. Somani , S. P. Lau, E. Flahaut, M. Tanemura, M. Umeno

	drop casting method.					
0003-6951 (printed edition) 1077-3118 (Online) ISSN 1553-9644	Improving photovoltaic response of poly(3-hexylthiophene)/n-Si heterojunction by incorporating double walled carbon nanotubes.	2006	Applied Physics letters 89 (2006) 223505 (TC = 46, IF = 4.2). Virtual Journal of Nanoscale Science and Technology 14/24 (2006).	International	Published	Savita. P. Somani , P. R. Somani, E. Flahaut, M. Umeno.
0003-6951 (printed edition) 1077-3118 (Online) ISSN 1553-9644	Concept and Demonstration of all organic Gratzel solar cell (Dye Sensitized Solar Cell).		Applied Physics Letters 89 (2006) 083501-1 to 083501-3 (TC = 6, IF = 4.2). TOP 50 Most Downloaded Articles (September 2006). Virtual Journal of Nanoscale Science and Technology 14/10 (2006).	International	Published	P. R. Somani, Savita. P. Somani , M. Umeno, A. Sato.
0009-2614	Planer nano-graphenes from camphor by CVD.	2006	Chemical Physics Letters 430 (2006) 56 - 59 (TC = 164, IF = 2.438).	International	Published	P. R. Somani, Savita. P. Somani, M. Umeno.
0014-3057	Benzoylation of	2005	European polymer journal, 41, 10,			Y.S. Bhole, U.K.Kharul, S. P. Somani, S. C. Kumbharkar,

	Polyphenylene oxide:	(2005)2461-2471			
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Book Published: Three book chapters published:

ISBN	Title	Publisher	Publication Year
978-81-906027-0-9	Carbon Nanotubes : Multifunctional Material: Application of Carbon Nanotubes in Photovoltaic Energy Conversion,	Applied Science Innovations Private Limited	(January 2009) Page 144 - 165.
978-81-906027-0-9	Carbon Nanotubes : Multifunctional Materials : Carbon Nanotube based Electrodes for Polymer Electrolyte Membrane Fuel Cells”,	Applied Science Innovations Private Limited	January 2009 Page- 166 - 178
978-81-7895-457-8	Synthesis of Carbon Nanomaterials by Pulsed Discharge Plasma Chemical Vapor Deposition”,	Volume 2, Transworld Research Network	2009

Patent Details: 1 Indian Patent Granted:

<ul style="list-style-type: none"> Title: Composite fuels, Patent Number : 301399, Application No. : 924/MUM/2015
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Self Contribution:

Institutional Development Contribution:

Year	Venue	Contribution	Category
2020-21	SKNCOE	NAAC work in Criteria III	Group member of Criteria III
2020-21	SKNCOE	Admission work : Document verification	Admission
2019-20	SKNCOE	Admission work : Document verification	Admission

Academic Development Contribution:

Year	Venue	Contribution	Category
2018-19	SKN COE	Monitoring academic performance of students, TG meet, Counselling to students, Parents teachers meet, Remedial lectures to weak students	TG - SEM I TG - SEM II
2019-20	SKN COE	Chemistry Laboratory Incharge, Monitoring academic performance of students, TG meet, Counselling to students, Parents teachers meet.	Laboratory Incharge TG - SEM I TG - SEM II
2020-21	SKN COE	Chemistry Laboratory Incharge , Maintaining students record, Interaction with students and parents, solving their academic problems.	Laboratory Incharge CT - SEM I CT - SEM II

Student Development Contribution:

Year	Venue	Contribution	Category
2018-19	SKNCOE	Monitoring academic performance of students, TG meet, Counselling to students, Parents teachers meet, Remedial lectures to weak students	TG - SEM I TG - SEM II
2019-20	SKNCOE	Monitoring academic performance of students, TG meet, Counselling to students, Parents teachers meet. Making MCQs of all chapters.	TG - SEM I TG - SEM II
2020-21	SKNCOE	Maintaining students record, Interaction with students and parents, solving their academic problems.	CT - SEM I CT - SEM II

Declaration:

I hereby declare that all the above information furnished by me are true to the best of my knowledge.

Dr Savita P. Somani

Date

Name