

## CURRICULUM VITAE

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Designation	Vice-principal, IQAC Coordinator and Associate Professor
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Date and Place of Birth	18 <sup>th</sup> August 1969, Khadki, Pune – 411003

## EDUCATIONAL QUALIFICATIONS

2003	Ph. D, University of Pune, Pune
1992	Master of Science (Physical Chemistry), University of Pune, Pune
1990	Bachelor of Science ( Chemistry), University of Pune, Pune

## EXPERIENCE:

### TEACHING:

25 years of teaching Physical and Analytical Chemistry at the under-graduate level.

20 years of teaching Physical and Analytical Chemistry at the Post - graduate level.

## RESEARCH

6 years of research experience, wherein the Ph. D dissertation work was carried out at the National Chemical Laboratory, Pune.

Successfully guided four students for their M.Sc. project dissertation.

### Research Areas

Thermodynamics of solutions: Experimental and Theoretical

Modeling of thermodynamic properties like surface tension, solvent activity -concentration correlation of systems comprising of continuously miscible systems, fused salt - solvent systems and other salt-solvent systems.

Synthesis of organic quaternary ammonium salts.

Synthesis of nano sized ferrite materials and characterization.

Studies of effect of various parameters like solvents of different dielectric constant, viscosity and polarity on various named organic reactions, like Diels - Alder Reactions.

## Research Profile of Dr. P D Sonawane: Department of Chemistry

Registration No. and date	Title	Name of Guide
PGS/Ph.D./Chem/176 33-35 02/12/1997	“Solvent Thermodynamic, Surface activity and Compressibility Behavior of Fused Quaternary Ammonium Salts in Solvents of Different Dielectric Constants”	Dr. Anil Kumar, F.A. Sc., F. N. A. Sc. Scientist,( Physical Chemistry Division) National Chemical Laboratory, Pune.
Date of Submission of thesis	Date of Award of Ph. D. Degree	University of Pune (Savitribai Phule Pune University)
16/12/2002	30/08/2002	
Research Publications		
Authors	Title	Journal
<b>Pramod D Sonawane</b> and Anil Kumar	Vapour Pressures of Nitrobenzene + Tetrabutylammonium Picrate at 373 K	<i>J. Chem. Eng. Data</i> , <b>1998</b> , 43, 97-100 <a href="https://doi.org/10.1021/je970183d">https://doi.org/10.1021/je970183d</a>
<b>Pramod D Sonawane</b> and Anil Kumar	A new Equation for the Correlation of Surface tension-Composition data of Solvent – solvent and Solvent – fused Salt Mixtures	<i>Fluid. Phase Equilibria</i> , <b>1999</b> , 157, 17-28. <a href="https://doi.org/10.1016/S0378-3812(99)00011-4">https://doi.org/10.1016/S0378-3812(99)00011-4</a>
<b>Pramod D Sonawane</b> , Somnath Nandi, Sanjeev Tambe, Anil Kumar and Bhaskar D. kulkarni	Solvent Activity Prediction of Electrolyte Solutions using Neural Networks	<i>Proceedings of the 54<sup>th</sup> Annual Session of Indian Institute of Chemical Engineers. Chemcon 2001 Chemie.</i>
<b>Pramod D Sonawane</b> and Anil Kumar	The Solvent Activity-Composition Correlation for Systems Continuously Miscible from Molten Salt to	<i>Indian J. Chem.</i> <b>2002</b> , 41 A, 1112-1119. <a href="http://nopr.niscair.res.in/handle/123456789/20835">http://nopr.niscair.res.in/handle/123456789/20835</a>

	Dilute Solution	
<b>Pramod D Sonawane</b> and Anil Kumar	Continuous Miscibility from Dilute Solution to Fused Salt: Volumetric Properties of Binary Solutions of Nitrobenzene, 1-Butanol and Anisole with Tetra-n-butylammonium Picrate from 298.15 to 371.1 K <sup>-1</sup>	<i>Journal of Solution Chemistry</i> . <b>2004</b> , 33, 1095-1116. (September 2004,issue-9)  <a href="https://doi.org/10.1023/B:JOSL.0000048059.91635.2d">https://doi.org/10.1023/B:JOSL.0000048059.91635.2d</a>
Amit S Nagare, Arpan Manna, <b>Pramod D Sonawane</b> and AnilKumar	The Water Promoted Diel's Alder Reaction in Quaternary Ammonium Salts	<i>J. Phys. Org. Chem.</i> , <b>2015</b> , 28(11), 665 – 673. DOI: 10.1002/poc.3469
Sonawane Pramod	Spectral Analysis of Radical Metalloenzyme Using EPR in Hydrolsases	<i>Res. J. of Chem. And Environ.</i> , <b>2021</b> , 25(11),132-137
Pramod Sonawane, Heena Merolyia, Sambhaji Shinde and Sharada Dagade	Synthesis of Aloe Vera Leaf shaped Silver Nano Powder by Using Biodiesel Byproduct Glycerol	<i>Chemical Sci. Trans.</i> , <b>2021</b> , 10 (01) 09-14 DOI: 10.7598/cst2021.1812

#### Conferences, Seminars, and Workshops: Attended and Organized

Sr. No.	Title	Organizer	Date
1	Participated in Webinar on Designing of Google form for online Examination	ICT Committee of AGC	20 October 2020
2	Participated in Webinar on Understanding New Education Policy	Platinum Jubilee committee of AGC	26 August 2020
3	Organized and participated in Webinar on Data to Action using Spreadsheet.	IQAC of AGC and Cleverinsight Inc. USA	23 August 2020

4	Participated in ICT training Workshop for the Staff of AGC	ICT Committee of AGC	17 July and 20 July 2020
5	Organized and participated in Workshop on CO and PO and e-Content Development	IQAC	8 July 2020
6	Organized and participated in Chem-Webinar Series on “Guidance towards Competitive Examinations in Chemistry”	IQAC and department of Chemistry	02 June -16 June 2020
7	Organized and participated in Webinar on Data Science:Simplified	IQAC of AGC and Cleverinsight,Inc.USA	1 June 2020
8	Organized and Attended “Workshop on NAAC - Revised Reaccreditation Framework	Rusa, IQAC of AGC and JDHE, Pune region	29 May 2020
9	Organized and participated in Capacity Building Programme: MS-Excel and Google Classroom for the staff of AGC	IQAC And Computer Science Department of AGC	6 <sup>th</sup> and 7 <sup>th</sup> May2020
10	Participated in National Webinar on CAS-Promotion -Issues and E-Content Development	D M Mahavidyalya Kalamb and IQAC Cluster	1-2 May 2020
11	Organized Online Quiz for Awareness and Maintenance of Physical and Mental health during Pandemic of COVID-19	Department of Physical Education, and IQAC of AGC	May 2020
12	Participated in Faculty Development Programme:National Webinar entitled Roles of Teachers in Technology Driven HigherEducation	GAD-TLC, University of Delhiand PMMMNM TT,MHRD	28 <sup>th</sup> April 2020
13	Participated in Faculty Development Programme:National Webinar entitled ICT Enabled Higher Education in India: Challenges and	GAD-TLC, University of Delhiand PMMMNM TT, MHRD	17 April 2020

	Oppurtinities		
14	Participated in National Webinar on Assessment and Accreditation: A revised accreditation framework for affiliated colleges	IQAC Cluster , India	14-17 <sup>th</sup> April 2020
15	Organized Online quiz awareness activity regarding COVID-19	IQAC	April 2020
16	Participation in Two Days workshop on “Topics in Chemistry”	Department of Chemistry of MES Abasaheb Garware College and sponsored by Royal Society of Chemistry, West India Section	7-8 <sup>th</sup> February 2017.
17	Participated in National Level Seminar on Academic and Administrative Audits Through ICT	BCUD, Savitribai Phule Pune University and IQAC of PDEA’S Baburoaji Gholap College, Pune,	7-8 <sup>th</sup> January 2017
18	Attended and Presented poster at the 3 <sup>rd</sup> International Conference on Herbal and Synthetic Drug Studies (Poster)	Abeda Inamdar College and The University of Kansas, USA, sponsored by the BCUD, SPPU, Pune,	7 – 9 <sup>th</sup> Jan 2016
19	Attended and Presented poster at the One day National seminar on New Horizons in Chemical and Environmental Science (Poster, Best Poster Award)	Rayat Sikshan Sanstha’s KBP College, Vashi, sponsored by DBT, University of Mumbai.	30 <sup>th</sup> January 2016
20	Participated in One day Workshop on “Importance of National Assessment and Accreditation”	Savitribai Phule Pune University	30 <sup>th</sup> November 2016.
21	Attended the <b>Chemical Education</b>	<b>CRSI-RSC, UK joint</b>	<b>5<sup>th</sup> February, 2015</b>

	<b>Program</b>	<b>symposium</b> at CSIR-National Chemical Laboratory, Pune	
<b>22</b>	Active participation in Workshop on “Revision of syllabi of T.Y.B.Sc. Chemistry”	<b>Department of Chemistry, Dr. A B telang Senior College of Arts, Science and Commerce, Pune</b>	<b>8<sup>th</sup> January 2015</b>
<b>23</b>	<b>Participation in “Workshop on S. Y. B. Sc. Syllabus</b>	<b>Department of Chemistry, Modern College of Arts, Science and Commerce</b>	<b>28<sup>th</sup> September 2013</b>
<b>24</b>	Participation in State Level Seminar on “ <b>Recent Trends in Analytical Chemistry</b> ” (RTAC-2013)	<b>H V Desai College in association with BCUD of University of Pune</b>	<b>27<sup>th</sup> August, 2013</b>
<b>25</b>	Active participation in Workshop on “Revision of F.Y.B.Sc. Chemistry Syllabus	<b>Department of Chemistry, MES Abasaheb Garware college, Pune</b>	<b>26<sup>th</sup> February, 2013.</b>
<b>26</b>	Active participation in “ <b>One Day Workshop on Implementation of Credit System for PG Courses in Colleges Affiliated to University of Pune</b> ”	<b>IQAC of MES Abasaheb Garware college, Pune</b>	<b>13<sup>th</sup> February, 2013</b>
<b>27</b>	Participated in <b>National Level Seminar on NAAC Process with reference to revised format of SSR/RAR</b>	MITSOM College and Centre for Educational Development Administration, Pune,	<b>8<sup>th</sup> February, 2013.</b>
<b>28</b>	Participated in the 81 <sup>st</sup> <b>BRNS- IANCAS National Workshop on Radiochemistry and Radioisotopes</b>	University of Pune	<b>19 - 25 November 2012</b>

29	Participated and presented a paper on “ <i>Synthesis and Characterization of Al substituted NiCuZn Ferrite Nano-Crystalline Particles by Sol-Gel Auto Combustion Technique</i> ” at the <b>II<sup>nd</sup> International Conference on Nanotechnology-“Innovative Materials, Process, Products and Applications”</b>	<b>Bharati Vidyapeeth University, Pune</b>	<b>18<sup>th</sup> and 19<sup>th</sup> October, 2012.</b>
30	Participation in One day national Seminar on “Higgs-Boson- The God Particle”	Abeda Inamdar College, in association with University of Pune,	01September 2012
31	Attended the First CRSI Zonal Meeting	National Chemical Laboratory, Pune	<b>13-14<sup>th</sup> May 2011</b>
32	Attended and Presented a Poster at the National Seminar on Physics of Materials and Materials Based Device Fabrication	Department of Physics, Shivaji University, Kolhapur held between	<b>February, 17-18. 2011</b>
33	Attended the State Level Seminar on National Knowledge Commission Report	M.E.S.’ Abasaheb Garware College, Pune, M.E.S.’ Abasaheb Garware College of Commerce, Pune and Vidyapeeth Vikas Manch, Pune, Maharashtra	<b>March, 24, 2008</b>
34	Attended Seminar on “Scientific Writing and Communication Skills”	M.E.S.’ Abasaheb Garware College and Vidnyan Bharati, Pune	<b>February 16-17, 2008</b>
35	Participation in State Level Workshop on CHEMINFORMATICS: MODERN PERSPECTIVES	Department of Chemistry of Baburaoji Gholap College, Pune and University of Pune,	<b>January10-12, 2008</b>

		Pune,	
<b>36</b>	Presented a Paper entitled “ <i>Volumetric Properties of Systems Continuously Miscible from Fused Ionic Salts to Dilute Solutions</i> ” at the National Seminar on Thermodynamics and Reaction Dynamics	Deen Dayal Upadhaya University, Gorakhpur, Uttar Pradesh, INDIA	<b>March 23-25, 2003</b>
<b>37</b>	Successfully completed a two days Workshop on “MICROSCALE TECHNIQUES IN INORGANIC CHEMISTRY”	Department of Chemistry, M.E.S.’ Abasaheb Garware College	<b>June 25-26 2001</b>
<b>38</b>	Presented a Paper entitled “ <i>Correlating Solvent Activities of Systems Continuously Miscible from Molten Salts to Dilute Solution</i> ” at the National Conference on recent Advances in Thermodynamics of Chemical and biological Systems	Guru Nanak Dev University, Amritsar, Punjab, INDIA	<b>May 7-9, 2001</b>

#### Projects Undertaken:

Title of Project	Name Of Funding Agency	Amount	Duration
“Glycerol, a bi-product of bio-diesel and a green solvent for organic transformations: Physico-organic chemistry of organic transformations.	UGC	3,05000/-	May 2014-2016

#### Administrative Positions:

**Vice-principal and IQAC Coordinator** 2019-20 till date, MES Abasaheb Garware College of Arts and Science

**IQAC Coordinator**, 2016-17, MES Abasaheb Garware College of Arts and Science



**Co-curricular and Extra Curricular Activities and Extension Works:**

Member of Board of Studies in Chemistry, Bharati Vidyapeeth, Deemed University, Pune.

Life Member of IANCAS.

Member of the Internal Quality Assurance Cell of Abasaheb Garware College.

Incharge of drafting of the re-assessment report of the college of Criteria -V for the accreditation by NACC.

Core Committee Member for the drafting of the re-assessment report of the college for the accreditation by NACC.

Core Committee Member of the College during the re-accreditation by NACC.

Member of organizing committee of International Conference of Physics, at the M.E.S.' Abasaheb Garware College, Pune.

Member of organizing committee of National Conference of Electronics, at the M.E.S.' Abasaheb Garware College, Pune.

Member of Science Forum at the M.E.S.' Abasaheb Garware College, Pune. for 3 years, A forum which works towards the overall development of the students by arranging interactions with eminent personalities from various fields of Science, Arts and Culture,

Organizing various competitions, viz, Elocution, Debate, Quiz, Projects etc.

In-charge of Association of Chemistry Students, Department of Chemistry, Abasaheb Garware College, Pune

Member of Gymkhana Committee, at the M.E.S.' Abasaheb Garware College, Pune.