

DR. SUHAS SHAMRAO MOHITE

M.Sc., Ph.D., D.C.M.



Assistant Professor in Chemistry

BIO-DATA**A) PERSONAL INFORMATION :**

1.	FULL NAME	:	DR. SUHAS SHAMRAO MOHITE
2.	RESIDENTIAL ADDRESS	:	AmeyBunglow, Plot No. 35, Survey No. 13/2, Sagar Cooperative Housing Society, BavdhanKhurd, <u>Pune 411 021</u>
3.	BIRTH DATE	:	10/07/1977
4.	MARITAL STATUS	:	Married
5.	LANGUAGES KNOWN	:	Marathi, Hindi and English

B) EDUCATIONAL QUALIFICATION :

Degree	Board / University	Year of Passing	Subject	Class
Ph.D.	Bharati Vidyapeeth (Deemed to be University), Pune	July 2015	Chemistry	
(Ph.D. Research in Preparation, Characterization and Applications of Nano-Crystalline Mixed Metal Chalcogenide thin film)				
M.Sc.	SavitribaiPhule Pune University, Pune	2000	Analytical Chemistry	1 st (65.00%)
D.C.M.	SavitribaiPhule Pune University, Pune	2001	Computer	1 st (62.66%)
B.Sc.	SavitribaiPhule Pune University, Pune	1998	Chemistry	1 st (67.00%)
H.S.C.	Kolhapur Board	1995	Science	1 st 66.33
S.S.C.	Kolhapur Board	1993	-	Dist. 76.14%

C) HOBBIES: Reading, trekking and social work

D. PUBLICATIONS

Sr. No.	Papers
1.	<p>Suhas S. Mohite, Kharade R. R., Mali S. S., Kanase D. G., Patil P. S., Bhosale P. N. “Low temperature synthesis of novel MoBiCuSe₄ nanowire thin films by vacuum deposition method and their characterization” <i>Research Journal of Chemistry and Environment</i>, 15 (2011) 653-657 (Impact Factor 0.323)</p>
2.	<p>Suhas S. Mohite, Sawanta S. Mali, Rohini R. Kharade, Chang Kook Hong, Dhanaji G. Kanase, Pramod S. Patil, Popatrao N. Bhosale “Single source precursor for vacuum evaporation of MoBi₂Se₅ photoactive thin films” <i>Journal Materials Science: Materials in Electronics</i>, 2014. (Impact factor 1.966) Springer Publishing</p>
3.	<p>Suhas S. Mohite, R. R. Kharade, S. S. Mali, C. K. Hong, D. G. Kanase, P. N. Bhosale “Combined model of nucleation and growth of MoBiCuSe₄ thin films for photovoltaic applications” <i>New Journal of Chemistry</i> RSC publishing (Impact factor 3.159)</p>
4.	<p>Suhas S. Mohite, Sawanta S. Mali, Rohini R. Kharade, Chang Kook Hong, Dhanaji G. Kanase, Pramod S. Patil, Popatrao N. Bhosale. Thermally Evaporated MoBiCuSe₄ Nanowires: Synthesis, Characterization, Application <i>Inorganic Chemistry Frontiers</i> RSC Publishing</p>
5.	<p>R. R. Kharade , S. S. Mali , Suhas S. Mohite, V. V. Kondalkar, P. S. Patil, P. N. Bhosale “Hybrid physicochemical synthesis & electro-chromic performance of WO₃/MoO₃ thin films.” <i>Electroanalysis</i>, 26 (2014) : 2388-2397. Wiley publishing, Impact factor: 2.5</p>
6.	<p>M. M. Salunkhe, N. B. Pawar, S. D. Kharade, S. M. Patil, Suhas S. Mohite, P. N. Bhosale Annealing Effect on the Structural and Electrical Properties of n-type MoBi₂(Se_{0.5}Te_{0.5})₅ Thin Film <i>Nano Materials Synthesis and Characterization</i>, (2012) 187-192.</p>

E. PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL CONFERENCES:

Sr. No.	Title
1	<p>Vacuum Annealing Effect on Opto-structural and Morphological Properties of Evaporated MoBiCuSe₄ Chalcopyrite Thin Films</p> <p>Suhas S. Mohite, S. S. Mali, R. R. Kharade, D. G. Kanase, P. S. Patil, P. N. Bhosale</p> <p>2nd International Conference on Physics of Materials and Materials Based Device Fabrication, (ICPM-MDF-2014) Dept. of Physics, Shivaji University, Kolhapur. 13th – 15th Jan 2014.</p>
2	<p>Combined Model of nucleation and growth of MoBiCuSe₄ thin films for photovoltaic application.</p> <p>Suhas S. Mohite, R. R. Kharade, S. S. Mali, C. K. Hong, D. G. Kanse, P. S. Patil, P. N. Bhosale.</p> <p>International Conference on Green Chemistry/Catalysis, Energy and Environment, (ICGC-2015), Department of Chemistry, Goa University, Goa. (22th to 24th Jan., 2015).</p>
3	<p>Morphology Tuning in Mixed Metal Chalcogenide Nanostructures Deposited by Physical Route.</p> <p>Suhas S. Mohite, R. R. Kharade, S. S. Mali, S. D. Kharade, V. B. Ghanwat, P. N. Bhosale.</p> <p>National Conference on Chemistry of Chalcogens (NC3-2013) organized by Department of Applied Chemistry, at Defence Institute of Advanced Technology (DIAT) Pune on 14th and 15th January 2013.</p>
4	<p>Tuning of Optical Band Gap and Structural Features of Single Phase Ag₂WO₄ Thin Films: A Hybrid Synthesis</p> <p>R. R. Kharade, S. S. Mali, S. R. Mane, Suhas S. Mohite, S. V. Patil, V. V. Kondalkar, P. N. Bhosale.</p> <p>Proc. International Conference on Materials Processing and Characterization (ICPMC) GokarajuRangaraju Institute of Engineering and Technology 8-10th March 2012, Bachupally, Hyderabad.</p>
5	<p>Tuning of Optical Band Gap and Structural Features of Single Phase Ag₂WO₄ Thin Films: A Hybrid Synthesis</p> <p>R. R. Kharade, S. S. Mali, S. R. Mane, Suhas S. Mohite, S. V. Patil, V. V. Kondalkar, P. N. Bhosale.</p> <p>International Conference on Materials Processing and Characterization (ICPMC) 8-10 March 2012, GokarajuRangaraju Institute of Engineering and Technology, Bachupally, Hyderabad.</p>
6	<p>Effect of monovalent cation doping on electrochromic performance of WO₃ thin films deposited by hybrid combinatorial synthesis.</p> <p>R. R. Kharade, S. S. Mali, S. R. Mane, S. P. Patil, Suhas S. Mohite, P. S. Patil, P. N. Bhosale.</p> <p>International conference on Physics of Materials and Materials Based Fabrication (ICPM-MDF) 18-21 Jan 2012, Department of Physics, Shivaji University.</p>
7.	<p>Opto-Structural and Morphological Studies of Nanoporous MoBiCuSe₄ Thin Films</p>

	<p>S. D. Kharade, M. M. Salunkhe, Suhas S. Mohite and P. N. Bhosale. International Conference on Nanomaterials and Nanotechnology (ICNANO)18-21 Dec. 2011, University of Delhi, Delhi 2011.</p>
Sr. No.	Title
8	<p>Simple Chemical Method for Porous Network of MoBiCuSe₄Nanoflakes and its Photoresponse Property. S. D. Kharade, M. M. Salunkhe, R. R. Kharade, V. B. Ghanwat, Suhas S. Mohite, and P. N. Bhosale. DAE-BRNS 4th Interdisciplinary Symposium on Materials Chemistry (ISMC-2012), held at Bhabha Atomic Research Center, Mumbai, during December 11-15, 2012.</p>
9	<p>Surfactant Assisted Synthesis of Nanocrystalline Wo₃ Thin Films and Their Electrochromic properties R. R. Kharade, S. V. Patil, S. R. Mane, Suhas S. Mohite, R. M. Mane, S. M. Patil, P. N. Bhosale. National Conference on Recent Trends in Nanotechnology, organized by Vivekanand College, Kolhapur, India, held on 14th and 15th Dec. 2012.</p>
10.	<p>Annealing Effect on the Structural and Electrical Properties of n-type MoBi₂(Se_{0.5}Te_{0.5})₅ Thin Film M. M. Salunkhe, N. B. Pawar, S. D. Kharade, S. M. Patil, Suhas S. Mohite, P. N. Bhosale. IUPAC- Sponsored International Symposium on Macro- and Supramolecular Architectures and Materials (MAM-12) 21-25 November 2012, at Le-Meridian Hotel, Coimbtur, Tamilnadu.</p>
11	<p>Synthesis and Characterization of MoBiCuSe₄ Nanoflakes-assembled Microflowers via a Simple Chemical Method. S. D. Kharade, N. B. Pawar, R. M. Mane, Suhas S. Mohite, P. N. Bhosale. National Conference on Chemistry of Chalcogens (NC3-2013) organized by Department of Applied Chemistry, at Defence Institute of Advanced Technology (DIAT) Pune on 14th and 15th January 2013.</p>
12	<p>Facile Single Phase, Crystalline Cu₃Se₂ Thin Films and Effect of Indium Doping: Chemosynthesis and Characterization. V. B. Ghanwat, S. D. Kharade, S. B. Pawar, M. M. Salunkhe, P. B. Patil, Suhas S. Mohite, S. M. Patil and P. N. Bhosale. National conference on current Research in chemical science(CRCS-2013), Department of Chemistry, Shivaji University, Kolhapur. Held on January 22nd& 23rd, 2013.</p>
13	<p>Ag nanoparticles embedded WO₃ thin films for smart window application and its colorimetric analysis. R. R. Kharade, S. S. Mali, S. V. Patil, S. R. Mane, Suhas S. Mohite, R. M. Mane, S. M. Patil and P. N. Bhosale. 10th International Society Advancement of Electrochemical Science and Technology (iSAEST-10) Symposium, Hotel Green Park, Chennai held on 28th-30th Jan. 2013.</p>
14	<p>Facile Chemosynthesis of p-type MoBiCuSe₄ Thin Film for Heterojunction Solar Cell S. D. Kharade, N. B. Pawar, V. B. Ghanwat, S. P. Patil, Suhas S. Mohite, P. N. Bhosale. 10th International Society Advancement of Electrochemical Science and Technology (iSAEST-10) Symposium, Hotel Green Park, Chennai held on 28th-</p>

	30 th Jan. 2013.
15	Hybrid Physico-Chemical Synthesis and Electrochromic Performance of WO ₃ /MoO ₃ Thin Films R. R. Kharade, S. S. Mali, S. P. Patil, Suhas S. Mohite , R. M. Mane, V. V. Kondalkar, P. S. Patil and P. N. Bhosale Eleventh ISEAC International Discussion Meet on Electrochemistry and its applications. 20 th to 25 th February 2014

F. WORKING EXPERIENCE

Working experience of 16.06 years in Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune 43 in the following designations.

Sr. No.	Designation		Service Period
1.	Assistant Professor in Chemistry	:	02/09/2002 to 31/07/2015 (12.11 years)
2.	Associate Professor in Chemistry	:	01/08/2015 till date (03.07 years)
3	Assistant Professor in Chemistry (YashwantraoMohiteMahavidyalay)		Since 21/02/2020

The above information is true to the best of my knowledge.

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