

CURRICULUM-VITAE



Dr. MANE RAHUL MARUTI
M.Sc., Ph.D. [Chemistry]

DST - Young Scientist,
Department of Chemistry,
Shivaji University, Kolhapur.

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Objective: - I am self-motivated person who has to grow in life with hard working nature and things as per schedule to achieve goals.

Research Interest:-

Material Science, Nanomaterials, Synthesis and characterization of mixed metal chalcogenide thin films for solar cell application.

Research Award:

- : 1] Departmental Research Fellowship (DRF).
- : 2] Junior Research Fellowship [JRF-UGC-SAP].
- : 3] Best Paper Award –SNMIA- National Conference 2008.
- : 4] Best Paper Award –ASMNM- National Conference 2011.
- : 5] Young Scientist Fellow by DST 2012 (Government of India).
- : 6] Best Paper Award –CTCNS- National Conference 2014.
- : 7] Most download article Science Direct Top 25 Certificate.
- : 8] Best Paper Award –FCMS- National Conference 2015.

Educational Qualifications:-

Sr. No	Examination Passed	Year of Passing	Name of School / College	Name of Board / University	Class & % of Marks	Main Subject (s)
1.	B.Sc.	2003	Vivekanand College, Kolhapur	Shivaji University, Kolhapur (MS)	First Class	Chemistry
2.	M.Sc.	2006	Department of Chemistry	Shivaji University, Kolhapur (MS)	First Class	Inorganic Chemistry
3.	Ph.D.	2010	Department of Chemistry	Shivaji University, Kolhapur (MS)	-	Chemistry (Thin films)



Dr. Rahul M. Mane

Department of Chemistry, Shivaji University,
Kolhapur
Material Science, Nanomaterials

Google Scholar

Citation indices	All	Since 2011
Citations	230	228
h-index	10	10
i10-index	10	10

Title 41–54

Cited by Year

List of Publications

A) Papers published / Accepted / submitted to the cited journals

Papers published =50 Papers accepted = 04

Name of Author/s	Year of publication	Title of the Paper	Name of Journal	Volume	Page Nos.
R. M. Mane, S. R. Mane, R. R. Kharade and P. N. Bhosale,	2010	Synthesis and characterization of new quaternary MoBiInSe ₅ mixed metal concentration thin films.	Journal of Alloys and Compounds	491	321–324
R. M. Mane, R. R. Kharade, S. R. Mane, P. S. Patil ^a and P. N. Bhosale	2011	Influence of Indium doping on the optostructural and morphological properties of chemically deposited MoBi ₂ Se ₅ mixed metal chalcogenide thin films.	Digest Journal of Nanomaterials and Biostructures	6,	55-65
R. M. Mane, N. S. Patil, S. R. Mane, R. R. Kharade and P. N. Bhosale,	2010	Optical and Electrical Studies on MoBi ₂ Se ₅ Thin Films Prepared by Arrested Precipitation Technique (APT).	Journal of Applied Archives Science.	2(2):	275-283
R. M. Mane ¹ , V. B. Ghanwat ¹ , V. V. Kondalkar ¹ , K. V. Khot ¹ , S. R. Mane ¹ , P. S. Patil ² and P.N. Bhosale	2014	Nanocrystalline MoBi ₂ Se ₅ Ternary Mixed Metal Chalcogenide Thin-Films for Solar Cell Applications,	Journal of Procedia Materials Science	6	1285-1291

R. M. Mane, S. S. Mali, V. B. Ghanwat, V. V. Kondalkar, K. V. Khot, S. R. Mane, D. B. Shinde, P. S. Patil and P. N. Bhosale	2015	Photoelectrochemical performance of MoBiInSe ₅ mixed metal chalcogenide thin films	Journal of Materials Today: Proceedings, Doi, 10.1016/j.matpr.2015.07.069 Elsevier	2	1458-1463
S.R. Mane, R. M. Mane, R. R. Kharade, S. N. Gawale, S. M. Patil, P. N. Bhosale	2011	Influence of Ti ⁺ doping on optostructural and electrical properties of chemically grown tungsten hetero-polyoxometallate thin films.	Digest Journal of Nanomaterials and Biostructures	6	451-466
S. R. Mane, R. M. Mane, N. S. Patil, A. M. Sargar, S. N. Gawale, R. R. Kharade and P. N. Bhosale	2010	Synthesis and characterization of chemically deposited Ti ₃ (PW ₁₂ O ₄₀) semiconducting thin films.	Journal of Applied Archives Science.	2	294-303
S. N. Gawale, R. M. Mane, A. M. Sargar, S. R. Mane, R. R. Kharade and P. N. Bhosale,	2010	Electrosynthesis and concentration on of WSe ₂ thin films.	Journal of Applied Archives Science.	1	72-80
S. N. Gawale, R. M. Mane, S. R. Mane, R.R. Kharade, S.M. Patil and P. N. Bhosale	2010	Optical and Electrical Transport Properties of Transition Metal Dichalcogenide MoSe ₂ Thin Films.	Journal of Archives of Physics Research	1	72-80
R. R. Kharade, R. M. Mane, S. R. Mane, P. S. Patil and P. N. Bhosale,	2010	Synthesis and characterization of chemically grown electrochromic tungsten oxide.	Journal of Sol-Gel Science and Technology	56	177-183

S. M. Patil, R. M. Mane , S. R. Mane, S. S. Mali, P. S. Patil, P. N. Bhosale	2011	Synthesis, XPS and thermoelectric study of ternary Bi ₂ (Te _{0.5} Se _{0.5}) ₃ mixed metal chalcogenide thin films by APT technique	Canadian Journal of Chemistry	89	1375–1381
R. R. Kharade, R. M. Mane , and P. N. Bhosale	2011	Synthesis and electrochromic application of surfactants tailored WO ₃ nanostructures Optical Materials.	Journal of Optical Materials	34	322-326
S. P. Patil ¹ , R. M. Mane ² , R. R. Kharade ² , S. S. Mali ³ and P. N. Bhosale ^{2*}	2012	NOVEL SYNTHETIC ROUTE FOR QUATERNARY MoBiGaSe ₅ MIXED METAL CHALCOGENIDE (MMC) THIN FILMS.	Digest Journal of Nanomaterials and Biostructures	7	237-245
M. M. Salunkhe, R. M. Mane , S. S. Mali, P. S. Patil and P. N. Bhosale	2012	PHOTOELECTROCHEMICAL CELL PERFORMANCE OF CHEMICALLY DEPOSITED MoBi ₂ Te ₅ THIN FILMS	Journal of Advanced Materials Letters	3	71-76.
M. M. Salunkhe, R. M. Mane , S. S. Mali, P. S. Patil and P. N. Bhosale	2012,	Synthesis and characterization of nanocrystalline MoBi ₂ Te ₅ thin films.	Journal of Philosophical Magazine Letters.	92	563–571
S. R. Mane, R. M. Mane , S. N. Gawale & P. N. Bhosale,	2012	Effect of Annealing Temperature on Structural Properties of Nanocrystalline Ti ₃ (PW12O ₄₀) Thin Films.	Journal of Advanced Materials Letters	4	72-77
Nita B. Pawar ^a , Sawanta S. Mali ^b , Manauti M. Salunkhe ^a , Rahul M. Mane ^a , Pramod S. Patil ^b and Popatrao N. Bhosale ^a	2012	Effect of Surfactant on Optical and Structural Properties of Chemically Deposited MoBi ₂ S ₅ Thin Films.	New Journal of Chemistry	36	1807-1812

S. V. Patil, R. M. Mane , N. B. Pawar, S. D. Kharade, S. S. Mali, P. S. Patil, G. L. Agawane, J. H. Kim** and P. N. Bhosale*	2013	Opto-structural and electrical properties of chemically grown Ga doped MoBi ₂ Se ₅ thin Films.	Journal of Material Science and Material Electronics	24	4669–4676
S.K. Jagadale, R. M. Mane , R. K. Mane and P. N. Bhosale	2013	Synthesis and Characterization of Nanostructured CdZnSSe Thin Films by Arrested Precipitation Technique (APT).	Journal of IEEE	2013	506- 508
S. R. Mane ^a , B. J. Walekar ^a , R. M. Mane ^b , V. V. Kondalkar ^b , V. B. Ghanwat ^b and P. N. Bhosale ^b	2014	Molybdenum Hetero polyoxometalate Thin Films for Solar Cell Applications	Journal of Procedia Materials Science	6	1104-1109
N. B. Pawar, S. D. Kharade R. M. Mane , S. S. Mali, C. K. Hong, P. S. Patil and P. N. Bhosale	2014	Influence of Indium (III) content of MoBi _(2-x) In _x S ₅ thin films for photoelectrochemical solar cell	Journal of <i>Solid State Sciences</i>	35	10–17
V.V. Kondalkar, R. R. Kharade, S.S. Mali, R.M. Mane , P.B. Patil, P.S. Patil, S. Choudhury and P. N. Bhosale	2014	Nanobrick-like WO ₃ Thin Films: Hydrothermal Synthesis and Electrochromic Application	Journal of Superlattices and Microstructures	73	290 - 295

K. V. Khot, S. S. Mali, N. B. Pawar, R. M. Mane , V. V. Kondalkar, V. B. Ghanwat, P. S. Patil, C. K. Hong, J. H. Kim, J. Y. Heo and P. N. Bhosale	2014	Novel Synthesis of Interconnected Nanocubic PbS Thin Films by Facile Aqueous Chemical Route	Journal of Material Science: Material Electronics	25	3762-3770
V. B. Ghanwat, S. S. Mali, S. D. Kharade, N. B. Pawar, S. V. Patil, R. M. Mane , P. S. Patil, C.K. Hong, and P. N. Bhosale	2015	Thermoelectric properties of nanocrystalline CuSbSe ₂ thin films at room temperature prepared using Microwave radiations	New Journal of Chemistry	39	5661-5668
Vishvanath B. Ghanwat, ^a Sawanta S. Mali, ^b Suvarta D. Kharade, ^a Nita B. Pawar, ^a Satish V. Patil, ^{ac} Rahul M. Mane , ^a Pramod S. Patil, ^d Chang Kook Hong ^b and Popatrao N. Bhosale ^{*a}	2014	Microwave assisted synthesis, characterization and thermoelectric properties of nanocrystalline copper antimony selenide thin films	RSC Adv.	4	51632-51639
V.V. Kondalkar, S.S. Mali, N.B. Pawar, R.M. Mane , S. Choudhury, C.K. Hong, P.S. Patil, S.R. Patil, P.N. Bhosale, J.H. Kim,	2014	Microwave-assisted rapid synthesis of highly porous TiO ₂ thin films with nanocrystalline framework for efficient photoelectrochemical conversion.	Journal of Electrochimica Acta	143	89-97

Vijay V Kondalkar, Sawanta S Mali, R M Mane , P B Dandge, Sipra Choudhury, Chang Kook Hong, PS Patil, Shivajirao Raghunath Patil, Jin Hyeok Kim, and Popatrao N. Bhosale	2014,	Photoelectrocatalysis of Cefotaxime using nanostructured TiO ₂ photoanode: Identification of degradation products and Determination of toxicity level	ACS Industrial & Engineering Chemistry Research,	53	18152–18162
Vijay V.Kondalkar, Pallavi B.Patil, Kishorkumar V.Khot Rohini R.Kharade, Rahul M.Mane , Pramod S.Patil, Sipra Choudhury,Popatrao N.Bhosale	2015	Langmuir–Blodgett self organized nanocrystalline tungsten oxide thin films for electrochromic performance	RSC Advances	5	26923-26931
Kishorkumar V. Khot , Sawanta S. Mali , Nita B. Pawar , Rohini R. Kharade , Rahul M. Mane , Pallavi B. Patil , Pramod S. Patil , Chang Kook Hong , Jin Hyeok Kim , Jaeyeong Heo , and Popatrao N. Bhosale	2015	Simplistic Construction of Cadmium Sulfoselenide Thin Films via Hybrid Chemical Process for Enhanced Photoelectrochemical Performance	RSC Advances	5	40283-40296
P. N. Bhosale, R. M. Mane , V. B. Ghanwat, V. V. Kondalkar, S. R. Mane and K. V. Khot	2015	Arrested Precipitation Technique for Synthesis of Chalcogenide & Oxide Thin Films	Journal of Advanced Chemical Engineering,	5	1-2
Bhosale PN*, Kondalkar VV, Mane RM , Choudhury Sipra and Khot KV	2015,	Hydrothermal Assisted Synthesis of Hierarchical Nanostructured Metal Oxide Thin Film	Journal of Nanomedicine & Nanotechnology,	6	1-3

Chaitali S. Bagade, Sawanta S. Mali, Vishvanath B. Ghanwat, Kishorkumar V. Khot, Pallavi B. Patil, Suvarta D. Kharade, Rahul M. Mane , Neha D. Desai, Chang K. Hong, Pramod S. Patil and Popatrao N. Bhosale	2015	A facile and low cost strategy to synthesize Cd _{1-x} Zn _x Se thin films for photoelectrochemical performance: effect of zinc content	RSC Adv.	5	55658-55668
Pallavi B. Patil, Sawanta S. Mali, Vijay V. Kondalkar, Rahul M. Mane , Pramod S. Patil, Chang K. Hong, Popatrao N. Bhosale	2015	Bismuth Telluride quantum dot assisted Titanium Oxide microflowers for efficient photoelectrochemical performance	Journal of Materials Letters	159	177-181
S. P. Patil, S. S. Mali, R. M. Mane , R. R. Kharade, V. B. Ghanwat, V. V. Kondalkar and P. N. Bhosale	2012	Synthesis and characterization of novel MoBiGaSe ₅ thin films by vacuum deposition technique	Advanced Nano Materials for Industrial Applications	4	51-56.
N. B. Pawar, S. M. Patil, M. M. Salunkhe, S. D. Kharade, R. M. Mane , V. B. Ghanwat and P. N. Bhosale	2012	Synthesis and Characterization of MoBi ₂ S ₅ Thin Films by Simple Colloidal Route	Advanced Materials Manufacturing and Characterization	1	223-226
S. R. Mane, R. M. Mane , P. S. Patil and P. N. Bhosale	2013	Effect of Annealing Temperature on Structural Properties of Nanocrystalline Ti ₃	Advanced Materials Letters VBRI Press,	4	94-98

Pallavi B. Patil, Sawanta S. Mali, Vijay V. Kondalkar, Rahul M. Mane , P.S. Patil, Chang K. Hong, Popatrao N. Bhosale	2015	Morphologically controlled electrodeposition of fern shaped Bi ₂ Te ₃ thin films for photoelectrochemica l performance	Journal of Electroanalytical Chemistry		09/ 2015758. DOI: 10.101 6/j.jelechem. 2015.09.019
Vijay V. Kondalkar,a Sawan ta S. Mali,d Rohini R. Kharade,a Rahul M. Mane ,a Pramod S. Patil,c Chang K. Hong,d Jin H. Kim,e Sipra Choudhury*b and P opatrao N. Bhosale*a	2015	Langmuir–Blodgett self organized nanocrystalline tungsten oxide thin films for electrochromic performance	RSC Adv.	5	26923-26931
Kishorkumar V. Khot,a Sawanta S. Mali,b Nita B. Pawar,a Rohini R. Kharade,a Rahul M. Mane ,a Pallavi B. Patil,a Pramod S. Patil,c Chang Kook Hong,b Jin Hyeok Kim,d Jaeyeong Heo and Popatrao N. Bhosale*a	2015	Simplistic construction of cadmium sulfoselenide thin films via a hybrid chemical process for enhanced photoelectrochemica l performance	RSC Adv	5	40283-40296
Chaitali S. Bagade,a Sawanta S. Mali,b Vishvanath B. Ghanwat,a Kishorku mar V. Khot,a Pallavi B. Patil,a Suvarta D. Kharade,a Rahul M. Mane ,a Neha D. Desai,a Chang K. Hong,b Pramod S. Patilc and Popatrao N. Bhosale*a	2015	A facile and low cost strategy to synthesize Cd _{1-x} Zn _x Se thin films for photoelectrochemica l performance: effect of zinc content	RSC Adv.	5	55658-55668

Pallavi B. Patila, Sawanta S. Malic, Vijay V. Kondalkara, Rahul M. Manea , Pramod S. Patilb, Chang K. Hongb, Popatrao N. Bhosalea	2015	Bismuth Telluride quantum dot assisted Titanium Oxide microflowers for efficient photoelectrochemical performance	Materials Letters	159	177–181
Neha Desai, Sawanta Mali, Vijay Kondalkar, Rahul Mane , Chang Hong and Popatrao Bhosale	2015	Chemically Grown MoO ₃ Nanorods for Antibacterial Activity Study	Journal of Nanomedicine and Nanotechnology,	6	1-7
S. D. Kharade, N. B. Pawar, R. R. Kharade, M. M. Salunkhe, R. M. Mane and P. N. Bhosale*	2014-2015	Room Temperature Synthesis of Nanoporous Network of Copper Doped MoBi ₂ Se ₅ Mixed Metal Chalcogenide Thin Films	Journal of Shivaji University (Science & Technology) ISSN-Science- 0250-5347,	41	1-2
D.B. Shinde,S. K. Jagadale,R. K. Mane**, R. M. Mane ,V. B. Ghanwat,K. V. Khot, S. S. Mali, C. K. Hong and P. N. Bhosale	2015	Time dependent facile hydrothermal Synthesis of TiO ₂ nanorods and their photoelectrochemical applications	Journal of Nanomedicine and Nanotechnology	2015, S7 http://dx. doi.org/1 0.4172/21 57- 7439.S7- 004	Article in Press
D. B. Shinde, V. B. Ghanwat, K. V. Khot, V. V. Kondalkar, R. M. Mane , C. S. Bagade, S. K. Jagdale, R. K. Mane, P. N. Bhosale	2015	Low temperature simple aqueous phase chemical synthesis and characterization of ZnO thin films	Journal of Materials Today: Proceedings, Elsevier		Accepted

S. K. Jagadale, D. B. Shinde, R. M. Mane , V. B. Ghanwat, K.V. Khot, R. K. Mane, P. N. Bhosale	2015	Development of CdZn(Sse) ₂ thin films by using simple aqueous chemical route: Air annealing	Journal of Materials Today: Proceedings, Elsevier		Accepted
Pallavi Patil, Kishorkumar Khot, Vijay Kondalkar, Vishvanath Ghanwat, Rahul Mane and Popatrao Bhosale	2015	Synthesis of Bismuth Telluride Thin Film for Thermoelectric Application via Electrodeposition Technique	Journal of Macromol symposium, Wiley	Volume 361, Issue 1, pages 152–155, March 2016	152–155
Kishorkumar V. Khot, Sawanta S. Mali, Pallavi B. Patil, Rohini R. Kharade, Rahul M. Mane , Chang Kook Hong, Popatrao N. Bhosale	2015	Novel-approach for invention of nubbly-like Cd(Sse) thin film: Photoelectrochemical application	Journal of Macromol symposium, Wiley	Volume 362, Issue 1, pages 82–86, April 2016	82–86,
S. R. Mane, R. M. Mane and P. N. Bhosale	2015	Effect of Tl ⁺ Intercalation on Electrochromic behavior of Tungsten Hetero-polyoxometallate Polymeric Thin Films	Journal of Macromol symposium, Wiley	Volume 361, Issue 1, pages 51–56, March 2016	51–56,
Vijay V.Kondalkar, Pallavi B.Patil, Kishorkumar V.Khot Rohini R.Kharade, Rahul M.Mane , Pramod S.Patil, Sipra Choudhury, Popatrao N.Bhosale	2015	Enhanced Electrochromic Performance of Nickel Oxide Thin Film: Synthesis via Electrodeposition Technique	Journal of Macromol symposium, Wiley	Volume 361, Issue 1, pages 47–50, March 2016	47–50,

S. M. Patil; S. R. Mane; R. M. Mane ; S. S. Mali; P. S. Patil; P. N. Bhosale	2012	Chem Synthesis and X-Ray Photoelectron Spectroscopy (XPS) and Thermoelectric Studies of Ternary Bi ₂ (Te _{0.5} Se _{0.5}) ₃ Mixed-Metal Chalcogenide Thin Films by the Arrested Precipitation Technique. Spec	Journal: ChemInform		10.1002/chin.201213007
Vishvanath B. Ghanwat, Prof. Sawanta S. Mali, Chaitali S. Bagade, Dr. Rahul M. Mane , Prof. Chang Kook Hong, Prof. P. N. Bhosale	2016	Thermoelectric Properties of Indium(III)-Doped Copper Antimony Selenide Thin Films Deposited Using a Microwave-Assisted Technique	Journal: Energy Technology	4	1-9

B) Paper published in proceedings National/ International conference/

Workshop/Symposium = 81

Year	Name of Author/s Conferences/ Seminars attended / Name of Symposia/ conference	Title of paper presented (if any)
2009	R. M. Mane , N. S. Patil, S. R. Mane, S. P. Patil, S. M. Patil, R. R. Kharade and P. N. Bhosale, UGC-SAP National Seminar on Advanced synthetic methodologies and functional materials Dec. 23 rd and 24 th , 2009, Department of Chemistry, Shivaji University Kolhapur.	Influence of Indium doping on the optical and electrical properties of chemically deposited MoBi ₂ Se ₅ mixed metal concentratio thin films
2009	R. R. Kharade, S. R. Mane, R. M. Mane , S.N.Gawale, H.M. Yadav and P. N. Bhosale, UGC-SAP National Seminar on Advanced synthetic methodologies and functional materials Dec. 23 rd and 24 th , 2009, Department of Chemistry, Shivaji University Kolhapur.	Electchromic Behaviour of Tungsten Oxide thin films.

2009	R. M. Mane , R. R. Kharade, S. R. Mane, S.N.Gawale, and P. N. Bhosale, National Conference on Commercialization of Renewable Energy Technology (CRET-2009) 21 st -23 rd Oct.2009.D.Y.Patil University Kolhapur.	Synthesis and characterization of chemically deposited of MoBiInSe ₅ mixed metal concentration thin films for PEC solar cell application.
2009	R. R. Kharade, R. M. Mane , S.B.Patil, and P. N. Bhosale, National Conference on Commercialization of Renewable Energy Technology (CRET-2009) 21 st -23 rd Oct.2009.D.Y.Patil University, Kolhapur	Electrochromic Properties of chemically deposited tungsten oxide thin films.
2008	A. M. Sargar, N. S. Patil, S. R. Mane, S. N. Gawale, R. M. Mane and P. N. Bhosale, International Conference on Biomedical Engineering and Nanotechnology (ICBENT-2008) 21-23 Oct.2008. D. Y. Patil University, Kolhapur	Electrosynthesis and concentration on of ZrSe ₂ thin films.
2008	R. M. Mane , A. M. Sargar, N. S. Patil, S. R. Mane, S. N. Gawale, and P. N. Bhosale, International Conference on Biomedical Engineering and Nanotechnology (ICBENT-2008) 21-23 Oct.2008. D. Y. Patil University, Kolhapur	Synthesis and characterization of chemically deposited of MoBiInSe ₅ mixed metal concentration thin films
2009	S. M.Patil, R. R. Kharade , S. R. Mane, S. N. Gawale, R. M. Mane and P. N. Bhosale, International workshop on Nanotechnology and Advanced Functional Materials.July9-11,2009 National Chemical Laboratory,Pune.	Preparation and characterization of chemically deposited of BiSbTe ₃ mixed metal concentration thin films.
2009	R. M. Mane , S. M.Patil, R. R. Kharade , S. R. Mane, S. N. Gawale, N. S. Patil and P. N. Bhosale, International workshop on Nanotechnology and Advanced Functional Materials.July9-11,2009 National Chemical Laboratory,Pune.	Photoelectrochemical cells performance of chemically deposited new ternary MoBi ₂ Se ₅ mixed metal nano concentration thin films.
2008	R. M. Sargar, N. S. Patil, S. R. Mane, B.D.Ajalkar, S. N. Gawale, R. M. Mane and P. N. Bhosale, International conference on nano materials and applications (ICNAMA-2008), Decmber 09-11,2008, Department of Chemistry, Shivaji University,	Electrosynthesis and concentration on of In doped ZrSe ₂ thin films.

2008	R. M. Mane , A. M. Sargar, N. S. Patil, S. R. Mane, S. N. Gawale and P. N. Bhosale, International conference on nano materials and applications (ICNAMA-2008), Decmber 09-11,2008, Department of Chemistry, Shivaji University,Kolhapur.	Preparation and characterization of chemically deposited new ternary MoBi ₂ Se ₅ mixed concentration thin films.
2008	N. S. Patil, R. M. Mane , A. M. Sargar, S. R. Mane, B.D.Ajalkar, and P. N. Bhosale, International conference on nano materials and applications (ICNAMA- 2008), Decmber 09-11,2008, Department of Chemistry, Shivaji University, Kolhapur.	Influence of Bi ³⁺ on photoconductive properties of chemically deposited Sb ₂ Se ₃ thin films.
2008	S. N. Gawale, N. S. Patil, R. M. Mane , A. M. Sargar, S. R. Mane, and P. N. Bhosale, International conference on nano materials and applications (ICNAMA-2008), Decmber 09-11,2008, Department of Chemistry, Shivaji University, Kolhapur.	Synthesis and characterization of chemically deposited nanomaterial thin films of copper iron sulphide.
2007	A. M. Sargar, N. S. Patil, S. R. Mane, S. N. Gawale, R. M. Mane and P. N. Bhosale, International conference on advanced materials and applications (ICAMA-2007), November 15-17, 2007, Department of Physics, Shivaji University, Kolhapur.	Electrosynthesis and concentration on of ZrSe ₂ thin films.
2008	S. R. Mane, N. S. Patil, A. M. Sargar, R. M. Mane , R. R. Kharade,V.R.Patil and P. N. Bhosale, International conference on nano materials and applications (ICNAMA-2008), Decmber 09-11,2008, Department of Chemistry, Shivaji University, Kolhapur.	Influence of Tl ⁺ doping on Optostructural and electrical properties of Tl ₃ (PW ₁₂ O ₄₀) thin films.
2008	V. R. Patil, N. S. Patil, A. M. Sargar, S. R. Mane, R. M. Mane , S. N. Gawale, P.N. Bhosale UGC-SAP National Seminar on synthesis of new materials for industrial applications, February 1 st and 2 nd , 2008, Department of Chemistry, Shivaji University Kolhapur	Studies on Cu (II) substituted Vanadium Heteropolyoxometallate thin films prepared by simple chemical growth process.
2008	R. M. Sargar, S. R. Mane, N. S. Patil, R. M. Mane , V. R. Patil, S. N. Gawale, P.N. Bhosale UGC-SAP National Seminar on synthesis of new materials for industrial applications, February 1 st and 2 nd , 2008, Department of Chemistry, Shivaji University Kolhapur.	Structural, morphological and optical studies of chemically deposited zirconium dichalcogenide thin films. (Best Paper Award 2008).

2008	N. S. Patil ,A. M. Sargar, S. R. Mane, R. M. Mane , V. R. Patil, S. N. Gawale, P.N. Bhosale,UGC-SAP National Seminar on synthesis of new materials for industrial applications, February 1 st and 2 nd , 2008, Department of Chemistry, Shivaji University Kolhapur.	Studies on optostructural properties of Bi _{2-x} Sb _x Se ₃ thin films prepared by arrested precipitation technique (APT).
2008	S. R. Mane, N. S. Patil, A. M. Sargar, R. M. Mane , V. R. Patil, P.N. Bhosale,UGC-SAP National Seminar on synthesis of new materials for industrial applications, February 1 st and 2 nd , 2008, Department of Chemistry, Shivaji University Kolhapur.	Structural, compositional and structural studies of thallium (I) substituted tungsten heteropolyoxometalate thin films.
2008	R. M. Sargar, N. S. Patil, S. R. Mane, S. N. Gawale, R. M. Mane , P. M. Chavan, P.N. Bhosale,International conference on material science research and nanotechnology (ICMSRN2008), 27-29 February 2008, Mother Teresa Women's University, Kodaikanal.	Effect of S and Se concentration on of ZrS ₂ thin films.
2008	N. S. Patil, A. M. Sargar, S. R. Mane, R. M. Mane , S. N. Gawale, P.N. Bhosale,International conference on material science research and nanotechnology (ICMSRN2008), 27-29 February 2008, Mother Teresa Women's University, Kodaikanal	Properties of chemically deposited Bi ₂ Se ₃ thin films.
2008	S. R. Mane, N. S. Patil, A. M. Sargar, R. M. Mane , V. R. Patil, P.N. Bhosale,International conference on material science research and nanotechnology (ICMSRN2008), 27-29 February 2008, Mother Teresa Women's University, Kodaikanal.	Structural and electrical studies on thallium (I) substituted molybdenum heteropolyoxometalate semiconducting thin films
2010	R. R. Kharade, S. R. Mane, R. M. Mane and P. N. Bhosale ,Natonal Seminar on Advaced Materials-2010(NSAM),March 19-20,2010,Department of Physics, Shivaji University Kolhapur	Electrochromic Tungsten Oxide Thin Films: Synthesis and Characterization.
2010	S. R. Mane, R. R. Kharade, R. M. Mane ,S. N. Gawale and P. N. Bhosale ,Natonal Seminar on Advaced Materials-2010(NSAM),March 19-20,2010,Department of Physics, Shivaji University Kolhapur.	Effect of Tl doping on Photoelectrochemical performance of chemically deposited thallium concentr heteropolxometalate thin films

2010	R. M. Mane , S. R. Mane, R. R. Kharade, S. N. Gawale, N. S. Patil and P. N. Bhosale National Seminar on Advanced Materials-2010(NSAM), March 19-20, 2010, Department of Physics, Shivaji University Kolhapur.	Optostructural and photoelectrochemical studies on MoBiInSe ₅ thin films for solar cell Application.
2010	S. N. Gawale, R. M. Mane , S. R. Mane, R. R. Kharade, N. S. Patil and P. N. Bhosale National Seminar on Advanced Materials-2010(NSAM), March 19-20, 2010, Department of Physics, Shivaji University, Kolhapur.	Photoelectrochemical and compositional studies on WSe ₂ thin films.
2010	S.M.Patil, R. M. Mane , S. R. Mane, R. R. Kharade, S. N. Gawale, N. S. Patil and P. N. Bhosale , National Seminar on Advanced Materials-2010(NSAM), March 19-0, 2010, Department of Physics, Shivaji University, Kolhapur.	Optostructural, Compositional and Electrical Properties of BiSbTe ₃ thin films.
2010	S. R. Mane, R. M. Mane , R. R. Kharade, S. N. Gawale and P. N. Bhosale Ninth interatnal Symposium on Advanced Electrochemical science & technology, (ISAEST-9), 2-4, 2010, Hotel Green Park, Chennai.	Electrochromic properties of chemically deposited Ti ₃ (PW ₁₂ O ₄₀) heteropolyoxometalate thin films.
2010	R. M. Mane , S. R. Mane, R. R. Kharade, S. V. Patil and P. N. Bhosale , Ninth interatnal Symposium on Advanced Electrochemical science & technology, (ISAEST-9), 2-4, 2010, Hotel Green Park, Chennai.	Photoelectrochemical (PEC) performance of MoBiInSe ₅ mixed metal chalcogenide thin films.
2010	S.N.Gawale, R. M. Mane , S. R. Mane, R. R. Kharade, S. V. Patil and P. N. Bhosale Ninth interatnal Symposium on Advanced Electrochemical science & technology, (ISAEST-9), 2-4, 2010, Hotel Green Park, Chennai.	Hybrid Electro-Chemo synthesis and characterization of Mo _x W _(1-x) Se ₂ Thin films.
2010	S.M.Patil, R. M. Mane , S. R. Mane, R. R. Kharade, S. V. Patil and P. N. Bhosale, Ninth interatnal Symposium on Advanced Electrochemical science & technology, (ISAEST-9), 2-4, 2010, Hotel Green Park, Chennai.	Optostructural, Electrical and Photoelectrochemical studies of ternary mixed metal chalcogenide thin films.

2010	R. M. Mane , S.M.Patil, S. R. Mane, R. R. Kharade, S. V. Patil and P. N. Bhosale. (Oral Presentation) Natonal Seminar on Advaced in Synthetic Methodogies & New Materials-(ASMNM-2011), 21-22 Jan. 2011, Department of Chemistry, Shivaji University, Kolhapur.	Influence of In (III) concentration on the optrostructural and optoelectronic properties of chemically deposited mixed metal chalcogenide thin films.
2011	S. M. Patil, R. M. Mane , S. R. Mane, R. R. Kharade, S. V. Patil and P. N. Bhosale. Natonal Seminar on Advaced in Synthetic Methodogies & New Materials-(ASMNM-2011), 21-22 Jan. 2011, Department of Chemistry, Shivaji University, Kolhapur.	A Novel Synthetic Route for deposition of bismuth Tellurium Selenide Thin Films.
2011	M. M. Salunkhe, R. M. Mane , R. R. Kharade, N. B. Pawar and P. N. Bhosale. Natonal Seminar on Advaced in Synthetic Methodogies & New Materials-(ASMNM-2011), 21-22 Jan. 2011, Department of Chemistry, Shivaji University, Kolhapur	Opto-structural and Morphological Studies on Chemically grown MoBi_2Te_5 thin films.
2011	S. R. Mane, R. M. Mane , R. R. Kharade, S. N. Gawale and P. N. Bhosale Natonal Seminar on Advaced in Synthetic Methodogies & New Materials-(ASMNM-2011), 21-22 Jan. 2011, Department of Chemistry, Shivaji University, Kolhapur.	Photoelectrochemical (PEC) Properties of Tungstenhetero Polyoxometalate $(\text{Ti}_3\text{PO}_4)(\text{WO}_3)_{12}$ thin films. (Best Paper Award ASMNM-2011).
2011	S.M.Patil, S. R. Mane, R. M. Mane , S. S. Mali, P. S. Patil, P. N. Bhosale* Natonal Seminar on Advanced Materials Science (NAMS-2011), Department of Physics, Shivaji, University, Kolhapur.	Microstructure and XPS study of Chemically Deposited Ternary $\text{Bi}_2(\text{Te}_{0.5}\text{Se}_{0.5})_3$ Mixed Metal Chalcogenide Thin Films by APT Technique.
2012	Manauti Salunkhe, Rohini Kharade, Nita Pawar, Suvarta Kharade, Rahul Mane and P. N. Bhosale, 1 st International Conference on Physics of Materials and Materials Based Device Fabrication (ICPM-MDF-2012), Shivaji University, Kolhapur-416004, India.	Chemo-Synthesis of New Quaternary $\text{MoBi}_2(\text{Se}_{0.5}\text{Te}_{0.5})_5$ Nanocrystalline Thin Films.

2012	N. B. Pawar, S. M. Patil, M. M. Salunkhe, S. D. Kharade, R. M. Mane and P. N. Bhosale, I st International Conference on Physics of Materials and Materials Based Device Fabrication (ICPM-MDF-2012), Shivaji University, Kolhapur-416004, India	Chemosynthesis of MoBi ₂ S ₅ Nanocrystalline Thin Film by Simple Colloidal Route.
2012	S. D. Kharade, N. B. Pawar, R. R. Kharade, M. M. Salunkhe, R. M. Mane and P. N. Bhosale, I st International Conference on Physics of Materials and Materials Based Device Fabrication (ICPM-MDF-2012), Shivaji University, Kolhapur-416004, India.	Room Temperature Synthesis of Nanoporous Copper Doped MoBi ₂ Se ₅ Mixed Metal Chalcogenide Thin Films by Arrested Precipitation Technique
2012	S. D. Kharade, N. B. Pawar, R. M. Mane , V. V. Kondalkar and P. N. Bhosale* National Seminar on Recent Advances in Synthetic Chemistry and Nanomaterials (RASCN) 21-22 Jan 2012, Department of Chemistry, Shivaji University.	Growth Mechanism and Characterization of MoBiCuSe ₄ Thin Films Deposited by APT at Room Temperature
2011	M. M. Salunkhe, S. M. Patil, R. M. Mane , S. V. Patil and P. N. Bhosale* International Conference on Nanomaterials and Nanotechnology (ICNANO) 18-21 Dec. 2011, University of Delhi, Delhi 2011	PHOTOELECTROCHEMICAL CELL PERFORMANCE OF CHEMICALLY DEPOSITED MoBi ₂ Te ₅ THIN FILMS
2012	M. M. Salunkhe, R. R. Kharade, R. M. Mane , N. B. Pawar, S. D. Kharade and P. N. Bhosale* International conference on Physics of Materials and Materials Based Fabrication (ICPM-MDF) 18-21 Jan 2012, Department of Physics, Shivaji University, Kolhapur.	An Aqueous Medium Based Synthesis & Characterization of Nanocrystalline MoBi ₂ (Se _{0.5} Te _{0.5}) ₅ Thin Films
2012	S. D. Kharade, N. B. Pawar, R. R. Kharade, M. M. Salunkhe, R. M. Mane and P. N. Bhosale* International conference on Physics of Materials and Materials Based Fabrication (ICPM-MDF) 18-21 Jan 2012, Department of Physics, Shivaji University, Kolhapur.	Room Temperature Synthesis of Nanoporous Copper Doped MoBi ₂ Se ₅ Mixed Metal Chalcogenide Thin Films by Arrested Precipitation Technique

2012	N. B. Pawar, S. M. Patil, M. M. Salunkhe, S. D. Kharade, R. M. Mane and P. N. Bhosale International conference on Physics of Materials and Materials Based Fabrication (ICPM-MDF) 18-21 Jan 2012, Department of Physics, Shivaji University, Kolhapur.	Chemosynthesis of MoBi_2S_5 Nanocrystalline Thin Film by Simple Colloidal Route
2012	N. B. Pawar, S. M. Patil, M. M. Salunkhe, S. D. Kharade, R. M. Mane , V. B. Ghanwat and P. N. Bhosale* International Conference on Materials Processing and Characterization (ICPMC) Gokaraju Rangaraju Institute of Engineering and Technology 8-10 March 2012, Bachupally, Hyderabad.	Synthesis and Characterization of MoBi_2S_5 Thin Film by Simple Colloidal Route
2012	S. P. Patil, R. M. Mane , R. R. Kharade, M. M. Salunkhe, S. D. Kharade and P. N. Bhosale National Seminar on Recent Advances in Synthetic Chemistry and Nanomaterials (RASCN) 21-22 Jan 2012, Department of Chemistry, Shivaji University, Kolhapur.	Optical & electrical properties of Chemically Deposited MoBiGaSe_5 Mixed Metal Chalcogenide Thin Films
2012	S. M. Patil, R. M. Mane , N. B. Pawar, S. R. Mane, R. K. Mane N. S. Patil, and P. N. Bhosale National Seminar on Recent Advances in Synthetic Chemistry and Nanomaterials (RASCN) 21-22 Jan 2012, Department of Chemistry, Shivaji University, Kolhapur.	electric properties of Chemically Deposited $\text{Bi}_2(\text{Te}_{1-x}\text{Se}_x)_3$ Mixed Metal Chalcogenide Thin Films
2012	S. N. Gawale, S. M. Patil, R. M. Mane , R. R. Kharade, S. R. Mane, & P. N. Bhosale National Seminar on Recent Advances in Synthetic Chemistry and Nanomaterials (RASCN) 21-22 Jan 2012, Department of Chemistry, Shivaji University, Kolhapur.	Structural & Photoelectrochemical studies on $\text{Mo}_x\text{W}_{1-x}\text{Se}_2$ mixed metal dichalcogenide Thin Films

2012	Orientation Programme on “Innovative Teaching Techniques & Professional Development of University Teachers” for Newly Recruited Teachers Shivaji University, Kolhapur, organized by the Department of Education on 13/12/2011 to 14/12/2011.	Attended
2011	National Seminar on “Nanotechnology: Fabrication Methods & Its Applications” 2 nd & 3 rd December 2011, Department of Physics, Abasaheb Marathe Arts & New Commerce, Science College, Rajapur.	Attended
2012	National Science Day “CLEAN ENERGY OPTIONS AND NUCLEAR SAFTY” 22 nd & 28 th February, 2012, Golden Jubilee Celebration, Shivaji University, Kolhapur.	Attended
2012	National Seminar on “New Horizon In Applied Sciences” Sponserd by UGC & Shivaji University, Kolhapur, on 14 th & 15 th September, 2012. Shardhchantra Pawar Mahavidhyalaya Lonand.	Attended
2012	A Workshop On “A Brain-Storming Session For Application Of Technology For Sustainable Development In The State Of Maharashtra” on 26 th & 27 th 2012, organized by Maharashtra Academy of Sciences (MASc), Shivaji University, Kolhapur (SUK).	Attended
2012	J. M. Mane, R. M. Mane , V. V. Patil, V. B. Ghanwat, S. D. Kharade, N. B. Pawar, S. P. Patil, V. V. Kondalkar and P. N. Bhosale * National Seminar on National conference on recent trends in Nanotechnology-2012 14 th & 15 th Dec. 2012, Department of Physics, Vivekananda College, Kolhapur Shivaji University, Kolhapur.	“SYNTHESIS AND CHARACTERIZATION OF A TERNARY CuInSe ₂ MIXED METAL CHALCOGENIDE THIN FILMS”

2012	S. P. Patil, S. S. Mali, R. M. Mane , R. R. Kharade, V. B. Ghanwat, V. V. Kondalkar and P. N. Bhosale* 6 th International Symposium on Macro and Supramolecular Architectures and Materials (MAM-2012), 21 st -25 th November 2012, Center Nano Science and Technology KS Rangasamy College of Technology, Tamilnadu India.	“SYNTHESIS AND CHARACTERIZATION OF NOVEL MoBiGaSe ₅ THIN FILMS BY VACUUM DEPOSITION TECHNIQUE”
2012	N. B. Pawar, R. M. Mane , S. P. Patil, V. V. Kondalkar and P. N. Bhosale* DAE-BRNS 4 th INTERDISCIPLINARY SYMPOSIUM ON MATERIALS CHEMISTRY December 11-15, 2012. Bhabha Atomic Research Centre, Mumbai, India	Rapid Synthesis and Characterization of Microwave – Assisted MoBi ₂ S ₅ Thin Film
2012	N. B. Pawar, R. M. Mane , V. B. Ghanwat, S. D. Kharade, M. M. Salunkhe and P. N. Bhosale* National Seminar on National conference on recent trends in Nanotechnology-2012 14 th & 15 th Dec. 2012, Department of Physics, Vivekananda College, Kolhapur Shivaji University, Kolhapur.	Synthesis of CuS thin films by arrested precipitation technique (APT).
2012	R. R. Kharade, R. M. Mane , S. V. B. Patil, S. R. Mane, S. M. Patil and P. N. Bhosale* National Seminar on National conference on recent trends in Nanotechnology-2012 14 th & 15 th Dec. 2012, Department of Physics, Vivekananda College, Kolhapur Shivaji University, Kolhapur.	Surfactant Assisted Synthesis of Nanocrystalline WO ₃ Thin Films and Their Electrochromic Properties.
2013	N. B. Pawar, R. M. Mane , V. B. Ghanwat, S. D. Kharade and P. N. Bhosale* National Seminar on Frontiers In Chemical and Biological Sciences. 23 & 24 September, 2013, Organized by Department of Chemistry, Padmabhushan Dr. Vasantodada Patil Mahavidhyalaya, Tasgaon, Dist. Sangli. Shivaji University,	Influence of surfactant on optosructural.morphplpogical and hotoelectrochemicalprperties of MoBiInS ₅ thin films.

2013	Workshop on Revised Syllabus of B.Sc. Part I, Chemistry & Industrial Chemistry Semester II Paper No. III & IV Jointly Organised By Shivaji University Kolhapur & Department of Chemistry, V. N. A .C & B. N. Sc. Mah. Shirala.10 th Oct. 2013	Attended
2013	UGC Sponsored National Conference on Emerging Trends and Techniques In Chemistry 10-12 October 2013, Organized by Department of Chemistry, Yashvantrao Chavan Institute Of Science, Dist. Satara. Shivaji University, Kolhapur	Attended
2014	S. V. Patil, R. M. Mane , R. R. Kharade, S. S. Mali, P. S. Patil and P. N. Bhosale 2 nd International conference on Physics of Materials and Materials Based Fabrication (ICPM-MDF) 13-15 Jan 2014, Department of Physics, Shivaji University, Kolhapur.	Photoelectrochemical Performance of $\text{Mo}_x\text{Bi}_{(3-x)}\text{Se}_5$ thin films.
2014	Pallavi Patil, Vijay Kondalkar, Rohini Kharade, Nita Pawar, Rahul Mane , P.S.Patil, P. N. Bhosale 2 nd International conference on Physics of Materials and Materials Based Fabrication (ICPM-MDF) 13-15 Jan 2014, Department of Physics, Shivaji University, Kolhapur.	Synthesis, Morphology and Growth Mechanism of TiO_2 Nanoflowers via Hydrothermal Route
2014	V. B. Ghanwat, S. D. Kharade, S. S. Mali, K. V. Khot, R. M. Mane , P. B. Patil, C. K. Hong, P.S. Patil and P. N. Bhosale 2 nd International conference on Physics of Materials and Materials Based Fabrication (ICPM-MDF) 13-15 Jan 2014, Department of Physics, Shivaji University, Kolhapur.	Microwave assisted synthesis of nanocrystalline Cu_3SbSe_4 Thin films and their characterization.

2014	2 nd International conference on Physics of Materials and Materials Based Fabrication (ICPM-MDF) 13-15 Jan 2014, Department of Physics, Shivaji University, Kolhapur. S. D. Kharade, V. V. Kondalkar, V. B. Ghanwat, R. M. Mane , R. R. Kharade, S. M. Patil and P. N. Bhosale	Comparative Study of Nanostructured of Bi ₂ Se ₃ Thin Films Grown Using Different Chelating Agents.
2014	S. K. Jagdale, D. B. Shinde, R. M. Mane , R. K. Mane and P. N. Bhosale UGC-SAP National Symposium on Recent Trends in Chemical and Nanosciences (CTCNS-2014) 17-18 Jan 2014, Department of Chemistry, Shivaji University, Kolhapur.	Structural, Optical, Compositional and Morphological Studies of Nanocrystalline CdZnSSe thin films by Arrested Precipitation Technique (APT).
2014	S. M. Patil, R. M. Mane , N. B. Pawar, S. M. Mali, P. S. Patil and P. N. Bhosale UGC-SAP National Symposium on Recent Trends in Chemical and Nanosciences (CTCNS-2014), 17-18 Jan 2014, Department of Chemistry, Shivaji University, Kolhapur.	Electrochemical Photovoltaic (ECPV) Characteristics Based On Dye Sensitized Sb(III) Doped Bi ₂ (Te _{1-x} Se _x) ₃ Mixed Metal Chalcogenide thin films.
2014	V. B. Ghanvat, S. D. Kharade, N. B. Pawar, R. M. Mane , S. M. Mali, K.V. Khot, C. K. Hong, P. S. Patil and P. N. Bhosale UGC-SAP National Symposium on Recent Trends in Chemical and Nanosciences (CTCNS-2014) 17-18 Jan 2014, Department of Chemistry, Shivaji University, Kolhapur.	Microwave Assisted synthesis, characterization and thermoelectric properties of Nanocrystalline CuSbSe ₂ thin films.
2014	R. M. Mane ¹ , V. B. Ghanvat ¹ , V. V. Kondalkar ¹ , K. V. Khot ¹ , S. R. Mane ¹ , S. Patil ² and P.N. Bhosale* ¹ (Oral Presentation) 3 rd International Conference on Materials Processing and Characterization, 8 th -9 th March 2014, GRIET Hyderabad, India	Nanocrystalline MoBi ₂ Se ₅ Ternary Mixed Metal Chalcogenide Thin-Films for Solar Cell Applications,

2014	Rohini R. Kharade, S.S. Mali, S.P. Patil, S.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, Feb. 20-25, 2014 Organized by Indian Society for ElectroAnalytical Chemistry (ISEAC), Mumbai.	Hybrid Physico-Chemical Synthesis and Electrochromic Performance of WO ₃ /MoO ₃ Thin Films
2014	S. R. Mane ^a , B. J. Walekar ^a , R. M. Mane^b , V. V. Kondalkar ^b , V. B. Ghanwat ^b and P. N. Bhosale ^b (Oral Presentation) 3 rd International Conference on Materials Processing and Characterization, 8 th -9 th March 2014, GRIET Hyderabad, India	Molybdenum Heteropolyoxometalate Thin Films for Solar Cell Applications,
2014	V.V. Kondalkar, R.R. Kharade, R.M. Mane , P.B. Patil, P.S. Patil, Sipra Choudhury and P.N. Bhosale Eleventh ISEAC International Discussion Meet on Electrochemistry and its Applications, Feb. 20-25, 2014 Organized by Indian Society for ElectroAnalytical Chemistry (ISEAC), Mumbai.	Hydrothermal Synthesis of Nanostructured WO ₃ Thin Films for Electro-chromic Application
2014	J. M. Mane, R. M. Mane , V. B. Ghanvat, N. B. Pawar, V. V. Kondalkar, K.V. Khot, and P. N. Bhosale UGC-Sponsored one day National Conference on Frontiers Trends in Chemical Sciences (FCS-2014) 30 Jun 2014, Department of Chemical Science, Solapur University, Solapur.	Facile synthesis of CuInSe ₂ mixed metal chalcogenide thin films for solar cell applications.
2014	K.V. Khot, R. M. Mane and P. N. Bhosale Recent trends in Analytical Chemistry UGC-Sponsored two days National Conference RTAC-2014 on 30-31 August, Arts Commerce & Science College, Pravara Rural Education Society Ahmednagar.	Engineering the novel morphology of Cd(Sse) thin film via self-organized aqueous method for its photo electrochemical application

2014	Vijay V.Kondalkar, Pallavi B.Patil, Kishorkumar V.Khot Rohini R.Kharade, Rahul M.Mane , Pramod S.Patil, Sipra Choudhury, Popatrao N.Bhosale Third International Conference on Polymer Processing and Characterization (ICPPC – 2014) on 11, 12 and 13 October, 2014 at Mahatma Gandhi University, Kottayam, Kerala, India.	Enhanced Electrochromic Performance of Nickel Oxide Thin Film: Synthesis via Electrodeposition Technique
2014	J. M. Mane, R. M. Mane , S. R. Mane , V. V. Kondalkar, V. B. Ghanvat, D. B. Shinde, K. V. Khot and P. N. Bhosale Third International Conference on Polymer Processing and Characterization (ICPPC – 2014) on 11, 12 and 13 October, 2014 at Mahatma Gandhi University, Kottayam, Kerala, India.	Facile synthesis of CuInSe ₂ thin films via self-organized APT: photoelectrochemical solar cell applications
2014	Kishorkumar V. Khot, Pallavi B. Patil, Rohini R. Kharade, Rahul M. Mane and Popatrao N. Bhosale Third International Conference on Polymer Processing and Characterization (ICPPC – 2014) on 11, 12 and 13 October, 2014 at Mahatma Gandhi University, Kottayam, Kerala, India	Novel-approach for invention of nubbly-like Cd(Sse) thin film: Photoelectrochemical solar cell application
2014	Pallavi B. Patil, Kishorkumar V. Khot, Vijay V. Kondalkar, Vishvanath B. Ghanwat Rahul M. Mane and Popatrao N. Bhosale Third International Conference on Polymer Processing and Characterization (ICPPC – 2014) on 11, 12 and 13 October, 2014 at Mahatma Gandhi University, Kottayam, Kerala, India	Synthesis of Bismuth Telluride Thin Film for Thermoelectric Application via Electrodeposition Technique
2014	S. R. Mane, R. M. Mane and P. N. Bhosale Third International Conference on Polymer Processing and Characterization (ICPPC – 2014) on 11, 12 and 13 October, 2014 at Mahatma Gandhi University, Kottayam, Kerala, India	Effect of Tl ⁺ Intercalation on Electrochromic behavior of Tungsten Hetero-polyoxometallate Polymeric Thin Films

2015	Kishorkumar V. Khot, Sawanta S. Mali, Pallavi B. Patil, Vishvanath B. Ghanwat, Rahul. M. Mane , Chang K. Hong, Popatrao N. Bhosale*a UGC-SAP National Symposium on FCMS,(FCMS-2015), 16-17 Jan 2015, Department of Chemistry, Shivaji University, Kolhapur	Rapid Synthesis of unique Cd(Sse) thin films via newly fabricated arrested precipitation technique and its photoelectrochemical performance
2015	Pallavi Patil, Vijay Kondalkar, Kishorkumar Khot, Vishvanath Ghanwat, Rahul Mane , P. N. Bhosale a* UGC-SAP National Symposium on FCMS,(FCMS-2015), 16-17 Jan 2015, Department of Chemistry, Shivaji University, Kolhapur.	Single step hydrothermal synthesis of hierarchical TiO ₂ microflowers with radially assembled nanorods for enhanced photovoltaic performance

R. Paper published in proceedings

- 1] Electrochromic behaviour of chemically deposited Tungsten oxide thin films.
R. R. Kharade, **R. M. Mane**, S. N.Gawale and P. N. Bhosale
International conference on Recent Trends in Materials & Characterization
(RETMAC-2010), 14, 15 Feb.2010, National Institute of Technology Karnataka
Surthkal, India.

D) Membership of Professional Bodies =15

Name of the Body	Statuses of Membership : Life/Annual
The International Society of Electrochemistry	Annual Membership
ISEAC Life-Member, Indian Society for Electroanalytical Chemistry	Life Membership
Member of American Nano Society	Life Membership
The American Society for Research (ASR), ASR Member Number: R214120501	Life Membership
The International Association of Computer Science and Information Technology	Annual Membership
The American Ceramic Society, Member	Annual Membership
South Asia Institute of Science and Engineering (SAISE), Member 20141216001	Annual Membership

The Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEES), Member Number : 201419	Annual Membership
The Israel Chemical Society	Annual Membership
International Scientific Academy of Engineering & Technology (ISAET)	Annual Membership
International Academy of Arts, Science & Technology (IAAST)	Annual Membership
The World Academy of Research in Science and Engineering (WARSE)	Annual Membership
The SCIENCE and Engineering Institute (SCIEI), Cindy X. Lau, SCIEI secretary, 2448 Desire Avenue, Rowland Heights, LA, CA 91748, USA 29	Annual Membership
Asian Council of Science Editors (ACSE) P.O. Box 126208, Deira, Dubai, UAE	Annual Membership
Vision Sciences Society 19 Richardson Road Novato, CA 94949	Annual Membership

➤ **Board Editorial/Technical/Advisory member of Journals & Research Societies = 23**

Sr.No.	Name of International Journals	Designation
1	Journal of Nanotechnology Development, eISSN 2038-968X , PAGE Press	Associate Editor
2	International Journal of Food Chemistry, Academic and Scientific Publishing.	Editorial Board Member
3	International Journal of Applied Chemistry Research, Academic and Scientific Publishing.	Editorial Board Member
4	International Journal of Advancements in Research and Technology (IJOART) (ISSN 2278-7763.	Editorial Board Member
5	International Journal of Scientific & Engineering Research (ISSN 2229-5518)	Editorial Board Member
6	International Journal of Materials Chemistry, Academic and Scientific Publishing.	Editorial Board Member
7	International Journal of Polymer Chemistry, Academic and Scientific Publishing	Editorial Board Member
8	Journal of Nanomedicine & Nanotechnology, Austin Publications LLC, USA.,	Editorial Board Member.

9	Scientific Board of Chemical, Civil, Agricultural and Environmental Engineers.	Editorial Board Member
10	International Journal for Research in Applied Science and Engineering Technology (IJRASET)	Editorial Board Member
11	Journal of Advanced Chemical Engineering, OMICS	Editorial Board Member,
12	World Research Journal of Chemistry	Associate Editor
13	Journal of New technology and Materials” (JNTM), International	Advisory Editors
14	Special issue Editor entitled: "Materials and Applications in Engineering" Journal of Advanced Chemical Engineering.	Special issue Editor
15	Journal of Polymer Chemistry (OJPChem),	Member of Editorial Board
16	Journal of Nanomaterial Chemistry and Technology,	Editorial Board Member
17	The Brazilian Journal of Science and Technology,	Advisory Editorial Board Member
18	Journal of “Austin Journal of Nanomedicine & Nanotechnology”, Special issue Editor for 2015-16.	Special issue Editor
19	Journal of Nanomedicine & Nanotechnology	Editorial Board Member
20	Journal of Advanced Chemical Engineering, OMICS Special issue Editor	Editorial Board Member
21	World Academy of Science, Engineering and Technology, Scientific and Technical Committee & Editorial Review Board Member, USA	Editorial Review Board Member
22	Journal of Condensed Matter And Interphases	Editorial Board Member
23	European Nanoscience and Nanotechnology Association (ENNA)	Scientific committee member

➤ Materials Today Cover Competition (Submitted).

R. M. Mane and P. N. Bhosale^{1*}, **Impact Factor: 6.265**

➤ **Teaching /Research Experience:**

Employer	Position held	Date of Joining	Date of Leaving	Pay Scale & Basic Pay / Pay band & Grade
Department of Chemistry Shivaji University, Kolhapur	(DST) Young Scientist	08/10/2012	08/10/2015	55,000/-
Department of Industrial Chemistry Shivaji University, Kolhapur	Assistant Professor	22/10/2010	30 /03/2012	15600-39100 6000/-AGP
Department of Applied Chemistry Shivaji University, Kolhapur	Assistant Professor	27/07/2010	22/10/2010	15,500/-
Department of Industrial Chemistry Shivaji University, Kolhapur	Departmental Research Fellowship [DRF]	1/10/2006	29/04/2007	3000/-
Department of Chemistry Shivaji University, Kolhapur	Junior Research Fellowship [JRF-UGC-SAP].	30/04/2007	30/04/2010	12000/-
Department of Industrial Chemistry Shivaji University, Kolhapur	Contributory Teacher	02/07/2006	20/04/2009	CHB
Department of Applied Chemistry Shivaji University, Kolhapur	Contributory Teacher	02/07/2007	30/04/2010	CHB

Other Activities:

- **No. of Students guided for M.Sc. projects:- 50**
- **Worked as a Senior Supervisor at KIT College, Shivaji University, Kolhapur, on 27/12/2011 to 31/12/2011.**
- **Worked as a Senior Supervisor at Department of Distance Education, Shivaji University, Kolhapur, on 11/11/2013 to 18/11/2013.**
- **Worked as a judge in selecting the awardees for the ‘Best Oral presentation’ during the 10th International Conference, ISAEEST-10, Society for Advancement of**

**Electrochemical Science and Technology (SAEST) held at Hotel Green Park,
Chennai on 28-30 January 2013.**

➤ **Peer-Reviewer / Referee for Various Scientific Journals: (47)**

Sr.No.	Name of journals
1	Journal of Chemical Engineering Science. Elsevier
2	International Journal of Electrical Power & Energy Systems. Elsevier
3	Journal of Materials Today: Proceedings. Elsevier
4	Journal of Chemical Engineering & Process Technology
5	Journal of Nanophotonics (JNP), E-ISSN: 1934-2608, Publisher: SPIE
6	Journal of "Materials Science" PrintISSN:1392–1320,Online ISSN: 2029–7289
7	International Journal of Nanoparticles, ISSNOnline: 1753-2511, ISSN print: 1753-2507, Publishers of distinguished academic, scientific and professional journals, China
8	Journal of Nanotechnology Development, eISSN 2038-968X, Page Press Srl, (Italy).
9	International Journal of Advancements in Research & Technology IJOART (ISSN 2278-7763).
10	Chemistry Central Journal, BioMed Central, London, United Kingdom. Springer - International Publisher Science.
11	Journal of Nanostructure in Chemistry, BioMed Central, London, United Kingdom. Springer - International Publisher Science
12	Journal of Systems Chemistry, BioMed Central, London, United Kingdom. Springer - International Publisher Science.
13	Journal of Cheminformatics BioMed Central, London, United Kingdom. Springer - International Publisher Science. Impact

14	American Journal of Materials Science, p-ISSN: 2162-9382, e-ISSN: 2162- 8424
15	Journal of Nanoscience and Nanotechnology, p-ISSN: 2163-257X, e-ISSN: 2163- 2588
16	American Journal of Chemistry, p-ISSN: 2165-8749, e-ISSN: 2165-8781.
17	International Journal of Materials Engineering, p-ISSN: 2166-5389, e-ISSN: 2166-5400.
18	Journal of Nanomaterials and the Environment, ISSN: 2299-1204, D- 10785 Berlin/Germany
19	Journal of Nanomaterials and Energy, ISSN: 2045-9831, E-ISSN : 2045- 984X, USA.
20	Journal of Surface Innovations, ISSN: 2050-6252, E-ISSN: 2050-6260, USA.
21	Journal of Photonics for Energy (JPE), E-ISSN: 1947-7983, Publisher: SPIE
22	International Journal of Food Chemistry, Academic and Scientific Publishing.
23	Journal of Electrochemical Science and Engineering. ISSN: 1847-9286.
25	American Journal of Materials Engineering and Technology, ISSN (Print): 2333-8903, ISSN (Online): 2333-8911.
26	Journals of Surface Innovations, ISSN: 2050-6252, E-ISSN: 2050-6260, ICE Publishing journal, United Kingdom, UK
27	Journal of Nanomedicine & Nanotechnology, Austin Publications LLC, USA.
28	Journal of Clean Energy Technologies (JOCET), ISSN 1793-721x
29	Journal of Engineering, Technology and Applied Science Research (ETASR) ISSN: 1792-8036
30	International Academy of Arts, Science & Technology (IAAST)
31	Journal of Progress in Chemical Engineering (PCE)
32	International Journal of Material Science (IJMSCI)
33	Mechanics of Advanced Materials and Modern Processes journal Springer

34	Journal of Advanced Chemical Engineering, OMICS
35	Journal of Saudi Chemical Society, Elsevier
36	Journal of Materials Science & Technology, Elsevier
37	Journal of Materials Research Letters (MRL), Taylor & Francis
38	Journal of Acta Metallurgica Sinica (English Letters), Springer
39	Journal of Inorganic Chemistry Frontiers, RSC
40	Journal of Materials Chemistry C. , RSC
41	Journal of Nano Research, Springer,
42	Journal of Applied Nanoscience - Springer
43	The Journal of Electronic Materials – Springer,
44	Journal of Macromolecular Symposia, Wiley
45	Journal of Nano-Structures & Nano-Objects, Elsevier

➤ **Advisory Board member of International conferences/ Workshop/Symposium**

= 27

Sr.No.	Name of International conference/ Workshop/Symposium	Designation
1	ICANM 2016: International Conference & Exhibition on Advanced & Nano Materials, August 10-15, Montreal, Canada.	Scientific Committee Member.
2	2nd Edition Smart Materials & Surfaces Conference, SMS KOREA 2016, 23 - 25 Mar 2016 Incheon- Korea, Publishing.	steering committee Member
3	The 4th International Congress on Nano Science and Nano Technology (ICNT 2016) will be held from January 28 to 29, 2016 Kula Lumpur in Malaysia, Editorial Board Member.	Editorial Board Member
4	3rd International Congress on Nano Science and Nano Technology (ICNT 2015)	Editorial Board Member

5	6th International Conference on Key Engineering Materials (ICKEM 2016) will be held during March 12-14, 2016 in Hong Kong,	Member of Technical Committee
6	The 2nd Int'l Conference on Polymer Materials Science (PMS 2016) will be held from January 14 to 16, 2016 in Bangkok, Thailand,	Member of Technical Committee
7	Member of Technical Committees of 4th International Conference on Power Science and Engineering (ICPSE 2015) will be held during will be held during December 15-16, 2015, Amsterdam, Netherlands.	Member of Technical Committees
8	ICANM 2015: International Conference & Exhibition on Advanced & Nano Materials, 12-13 August 2015 Ottawa, Canada,	Advisory Committee Member.
9	First International Conference on Advanced Materials for Power Engineering (ICAMPE-2015) 11-13 December 2015 at Mahatma Gandhi University, Kottayam, Kerala, India.	National Advisory Committee Member
10	The 2nd International Conference on Engineering, Computing and Technologies (ICECT 2015) will be held in The Golkonda Hotel, Hyderabad, India on March 30, 2015	Committee Member Member
11	Program committee member, 2nd International Conference on Advances in Computer Science and Engineering (ICACE 2015) will be held in Hotel Sandesh The Prince, Mysore, India on March 02, 2015.	Program committee member,
12	Member of Technical Committees of 3rd International Conference on Power Science and Engineering (ICPSE 2014) will be held during December 18-20, 2014, Barcelona, Spain.	Member of Technical Committees
13	Member of Technical Committees of International Conference on Nanotechnology and Biosensors (ICNB 2014) will be held during December 18- 20, 2014, Barcelona, Spain.	Member of Technical Committees
14	International Conference on Polymer Science and Engineering August 22-24 2016 New Orleans, Louisiana, USA	Member of Organizing Committee
15	4 th International Conference and Exhibition on Materials Science & Engineering September 14-16, 2015 Florida, USA	Scientific Advisor Member
16	National Seminar on Recent Advances in Synthetic Chemistry and Nanomaterials (RASCN) 21-22 Jan 2012, Department of Chemistry, Shivaji University.	Member of Organizing Committee

17	The 4th International Conference on Computing, Engineering and Information Technology (ICCEIT 2016) will be held in The Solitaire Hotel, Bangalore, India on February 16, 2016	Program Committee Members
18	The International Conference on Electrical, Electronics, Communication Technologies and their Applications (ICEECA 2016) will be held in Sheraton Imperial Kuala Lumpur Hotel, Kuala Lumpur, Malaysia during April 14-15,	Program Committee Member
19	The 3rd Int'l Conference on Thin Film Technology and Applications (TFTA 2017) will be held in Guilin, China during January 3-5, 2017	Organizing Committee Member
20	The 3rd Int'l Conference on Polymer Materials Science (PMS 2017) will be held in Guilin, China during January 3-5, 2017. PMS 2017	Organizing Committee Member
21	6th International Conference on Nanotechnology and Biosensors(ICNB 2015) will be held during will be held during December 15-16, 2015, Amsterdam, Netherlands,	Technical Committee Member
22	4th International Conference on Power Science and Engineering (ICPSE 2015) will be held during December 15-16, 2015, Amsterdam, Netherlands	Technical Committee Member
23	Applied Nanotechnology and Nanoscience International Conference – ANNIC 2016 will be held during Nov.9-11,2016,Barcelona	Scientific Committee Member
24	International Conference on Electrical, Electronics, Communication Technologies and their Applications 14 - 15 April 2016, Kuala Lumpur (Malaysia)	Program Committee Member
25	International Conference on Sustainable Bioplastics November 10-11, 2016 Alicante, Spain	Organizing Committee Member
26	The 5th International Congress on Nanoscience & Nanotechnology (Eurasia) (ICNT2016), 21 - 22 July 2016 İstanbul, Turkey ,	Editorial board Member
27	3rd International Conference on Mechanical, Materials and Manufacturing (ICMMM 2016). The conference will be held in Statesboro, GA, U.S. during October 26-29, 2016 with the local support from Georgia Southern University, USA	Technical Committee Member

➤ **Students Feedback on Teacher (Revised Format No.2- Academic Year -2006-2007)**
84%

➤ **Students Feedback on Teacher (Revised Format No.2- Academic Year -20012-2013)**
86%

➤ **Books manual etc. published or edited**

Sr.No.	Title of book/book chapter	Publisher
1	SYNTHESIS & CHARACTERIZATION OF CHEMICALLY DEPOSITED MIXED METAL CHALCOGENIDE THIN FILMS R. M. Mane and P. N. Bhosale	“LAP LAMBERT” Academic Publishing, Germany, (ISBN 978-3-659-34122-9), 2013 Book Price:-73\$
2	Facile synthesis of CuInSe ₂ thin films via self-organized APT: photoelectrochemical solar cell applications J. M. Mane, R. M. Mane , S. R. Mane , V. V. Kondalkar, V. B. Ghanvat, D. B. Shinde, K. V. Khot and P. N. Bhosale	Book chapter in Recent advances in polymer processing and characterization, Apple Academic Press partnered with CRC Press, a member of the Taylor & Francis Group, (Accepted)
3	Synthesis of ‘Sea urchin’ like microstructure h-MoO ₃ by Chemical Bath Deposition N. D. Desai, R. M. Mane , S. R. Mane , V. V. Kondalkar, V. B. Ghanvat, K. V. Khot and P. N. Bhosale	Book chapter in Recent advances in polymer processing and characterization, Apple Academic Press partnered with CRC Press, a member of the Taylor & Francis Group, (Accepted)
4	Synthesis and Fabrication of Nanomaterials Synthesis and Characterization of Highly Ordered Nanosized PbS Thin Films: Modified Silar Kishorkumar V. Khot, Vishvanth B. Ghanwat, Pallavi B. Patil, Chaitali S. Bagade, Rahul M. Mane , Dadaso B. Shinde, Sandip K. Jagadale and P.N. Bhosale	BLOOMSBURY PUBLISHING INDIA PVT. LTD. New Delhi London Oxford New York Sydney ISBN: 978-93-85436-76-5 10 9 8 7 6 5 4 3 2 1

5	<p style="text-align: center;">Synthesis and Fabrication of Nanomaterials</p> <p>Surfactant Assisted Synthesis of Nanocrystalline n-Bi₂Se₃ Thin Films at Room Temperature Via Arrested Precipitation Technique N.D. Desai, S.M. Patil, K.V. Khot, R.M. Mane and P.N. Bhosale</p>	<p style="text-align: center;">BLOOMSBURY PUBLISHING INDIA PVT. LTD.</p> <p>New Delhi London Oxford New York Sydney ISBN: 978-93-85436-76-5 10 9 8 7 6 5 4 3 2 1</p>
6	<p style="text-align: center;">Advanced Nanomaterials: Synthesis and Applications</p> <p>Dynamic Study of Bismuth Telluride Quantum Dot Assisted Titanium Oxide for Efficient Photoelectrochemical Performance Pallavi B. Patil, Vijay V. Kondalkar, Kishorkumar V. Khot, Chaitali S. Bagade, Rahul M. Mane and P. N. Bhosale</p>	<p style="text-align: center;">BLOOMSBURY PUBLISHING INDIA PVT. LTD.</p> <p>New Delhi London Oxford New York Sydney ISBN: 978-93-85436-74-1 10 9 8 7 6 5 4 3 2 1</p>
7	<p style="text-align: center;">Application of Nanostructured Materials for Energy and Environmental Technology</p> <p>Facile Synthesis of (CdZn)Se Nanocrystalline thin Films via Arrested Precipitation Technique (APT) for Photovoltaic Application 173 Chaitali S. Bagade, Vishvnath B. Ghanwat, Kishorkumar V. Khot, Pallavi B. Patil, Rahul M. Mane and P.N. Bhosale</p>	<p style="text-align: center;">BLOOMSBURY PUBLISHING INDIA PVT. LTD.</p> <p>New Delhi London Oxford New York Sydney ISBN: 978-93-85436-91-8 10 9 8 7 6 5 4 3 2 1</p>
8	<p style="text-align: center;">Application of Nanostructured Materials for Energy and Environmental Technology</p> <p>Chemosynthesis, Characterization and PEC Performance of CdZn(SSe)₂ Thin Films by Arrested Precipitation Technique (APT) 215 S.K. Jagadale, D.B. Shinde, R.M. Mane, K.V. Khot, V.B. Ghanwat, P.N. Bhosale and R.K. Mane</p>	<p style="text-align: center;">BLOOMSBURY PUBLISHING INDIA PVT. LTD.</p> <p>New Delhi London Oxford New York Sydney ISBN: 978-93-85436-91-8 10 9 8 7 6 5 4 3 2 1</p>

➤ **Research Activities:**

Completed Project: Major Project 01

Title of Project/ Scheme	Funding agency	Funds received	Date of starting	Date of ending	Worked as
Synthesis of new quaternary MoBiInSe ₅ mixed metal chalcogenide thin films for solar cell applications.	Department of Science and Technology (DST-SERB) New Delhi, under Young Scientist Scheme	Rs. 24, 99, 800/-	08/10/2012	08/10/2015	Principal Investigator NO.SR/FT/CS-158/2011

PERSONAL INFORMATION:-

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Language Known : English, Hindi, Marathi

Reference:-

Prof. (Dr.) P. N. BHOSALE
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UGC-SAP-DRS & DST-FIST Program,
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Declaration:-

I hereby declare that the information given above is correct to the best of my knowledge and belief.

Date: -

Place: -

(Dr. Rahul Maruti Mane)