

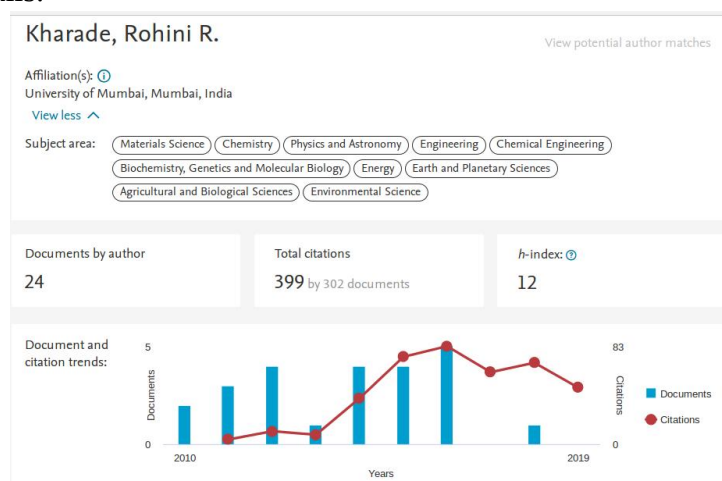
Teacher Profile



- 1) Name of teacher: Dr. (Mrs.) Rohini Yogesh Mandhare
(Dr. (Miss.) Rohini Ramchandra Kharade)
- 2) Gender: Female
- 3) Department: Chemistry
- 4) Highest qualification: Ph.D.
- 5) Date of passing of highest qualification: June 2012
- 6) Name of University for above qualification: Shivaji University, Kolhapur
- 7) Nature of post (Permanent/ temporary/ part time): Temporary (Fulltime)
- 8) Designation (Professor/ Associate Prof./ Assistant Prof.): Assistant Professor
- 9) Date of appointment: 04th August 2017
- 10) Teaching experience in years: PG: 07, UG: 02
- 11) Awards, recognition fellowship at state, national, international level from government recognized bodies with date:
National Level:
 - CSIR-Senior Research Fellowship (Extended) (01/04/2012-31/03/2013)
 - DST-SERB Young Scientist (01/01/2014-30/06/2017)
- 12) Government/Non- government Grants for research projects-

Name of Project	Gov. or Non-Govt	Year of award	Duration of Project	Funds Provided in Lakhs
Multicolor electrochromic nanostructured thin films for dynamic light control	DST-SERB, New Delhi	2013	01/01/2014-30/06/2017	Rs. 30,40,000/- (Thirty Lakhs Forty Thousand Only)

13) Scopus Details:



14) List of research papers in journal notified on UGC website-

- i. Symmetric Supercapacitor: Sulphurized Graphene and ionic liquid, Jasmin S. Shaikh, Navajsharif S. Shaikh, **Rohini Kharade**, Sonali A. Beknalkar, Jyoti V. Patil Mahesh P. Suryawanshi, Pongsakorn Kanjanaboos, Chang Kook Hong, Jin Hyeok Kim, Pramod S. Patil, *Journal of Colloid and Interface Science*, 527(2018) 40-48.
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- ii. Controlled Electrochemical Polymerization Strategies for Electroactive Polyaniline Thin Films, **Rohini R. Kharade**, S. S. Mali, P. B. Patil, K. V. Khot, V. B. Ghanwat, V. V. Kondalkar, P. N. Bhosale, *Macromol. Symposia*, 362, 1(2016) 7-10.
https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=NTY5NQ=
- iii. Synthesis of Bismuth Telluride Thin Film for Thermoelectric Application Via Electrodeposition Technique, P. B Patil, S S Mali, K. V Khot, V V Kondalkar, V B Ghanwat, R M Mane, **R. R Kharade**, P N Bhosale, *Macromol. Symposia*, 361, 1(2016) 152-155.
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- iv. Novel-approach for invention of nubbly-like Cd(SSe) thin film: Photoelectrochemical solar cell application, K. V. Khot, P. B. Patil, **R. R. Kharade**, R. M. Mane and P. N. Bhosale, *Macromol. Symposia*, 362, 1(2016) 82-86.
https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=NTY5NQ=
- v. Rapid formation of ternary CdZnSe₂ chalcogenide thin film by microwave assisted chemical bath deposition, C. S. Bagade, V. B. Ghanwat, S. D. Kharade, K. V. Khot, **R. R. Kharade**, N. D. Desai, P. N. Bhosale, *Macromol. Symposia*, 362, 1(2016) 60-64.
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- vi. Effect of Tl⁺ Intercalation on Electrochromic behavior of Tungsten Hetero-polyoxometallate Polymeric Thin Films, S. R. Mane, **Rohini R. Kharade**, R. M. Mane, P. S. Patil, P. N. Bhosale, *Macromol. Symposia*, 361, 1(2016) 51-56.
https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=NTY5NQ=
- vii. Langmuir-Blodgett self organized nanocrystalline tungsten oxide thin films for electrochromic performance, V. V. Kondalkar, S. S. Mali, **R. R. Kharade**, R. M Mane, P. S. Patil, C. K. Hong, J.H. Kim, S. Choudhury, P. N Bhosale, **RSC Adv.**, 5 (34), (2015)26923-26931.

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- viii. Single source precursor for vacuum evaporation of MoBi_2Se_5 photoactive thin films, Suhas S. Mohite, Sawanta S. Mali, **Rohini R. Kharade**, Chang Kook Hong, Dhanaji G. Kanase, Pramod S. Patil, Popatrao N. Bhosale, *Journal of Materials Science: Materials in Electronics*, 26 (2015) 2879-2886.

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- ix. High performing smart electrochromic device based on honeycomb nanostructured h-WO_3 thin films: Hydrothermal assisted synthesis, V. Kondalkar, S. S. Mali, **R. R. Kharade**, K. V. Khot, P. Patil, R. M. Mane, Sipra Choudhury, P. S. Patil, C. K. Hong, J. H. Kim, P. N. Bhosale, *Dalton Trans.*, 44(2015)2788-2800.

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- x. Development of nanocoral-like $\text{Cd}(\text{SSe})$ thin films using an arrested precipitation technique and their application, K. V. Khot, S. S. Mali, N. B. Pawar, **Rohini R. Kharade**, R. M. Mane, V. V. Kondalkar, P. B. Patil, P. S. Patil, C. K. Hong, J. H. Kim, J. Heo and P. N. Bhosale, *New J. Chem*, 38 (2014) 5964-5974.

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- xi. Novel approach for fabrication of CdS thin films for photoelectrochemical solar cell application, K. V. Khot, S. S. Mali, **R. R. Kharade**, R. M. Mane, P. S. Patil • C. K. Hong, J. H. Kim, J. Heo, P. N. Bhosale, *J Mater Sci: Mater Electron* (2014) 25:5606–5617.

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- xii. Hybrid Physico-Chemical Synthesis and Electrochromic Performance of WO_3/MoO_3 Thin Films, **Rohini R. Kharade**, S.S. Mali, S.S. Mohite, V.V. Kondalkar, P.S. Patil and P. N. Bhosale, *Electroanalysis: (Special Issue: Electroanalysis in India)*, 26 (2014) 2388 – 2397.

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- xiii. Nanobrick-like WO_3 thin films: Hydrothermal synthesis and electrochromic application, V. V. Kondalkar, **R. R. Kharade**, S. S. Mali, R. M. Mane, P. B. Patil, P. S. Patil, S. Choudhury, P. N. Bhosale, *Superlattices and Microstructures*, 73 (2014) 290–295.

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- xiv. Enhanced Electrochromic Coloration in Ag Nanoparticle Decorated WO₃ Thin Films, **Rohini R. Kharade**, Sawanta S. Mali, Satish P. Patil, Kashinath R. Patil, Myong G. Gang, Pramod S. Patil, Jin H. Kim, Popatrao N. Bhosale, *Electrochimica Acta*, 102 (2013) 358-368.

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- xv. Synthesis and characterization of novel MoBiGaSe₅ thin films by vacuum deposition technique, S. P. Patil, S. S. Mali, R. M. Mane, **R. R. Kharade**, V. B. Ghanwat, V. V. Kondalkar and P. N. Bhoasale, *Advanced Nano Materials for Industrial Applications* (2012) 51-56.

- xvi. Synthesis of Fibrous Reticulate Nanocrystalline n-type MoBi₂(Se_{1-x}Te_x)₅ Thin Films: Thermocooling Applications, Manauti M. Salunkhe, Rohini R. Kharade, Suvarta D. Kharade, Sawanta S. Mali, P.S. Patil, P.N. Bhosale, *Materials Research Bulletin*, 47, (2012) 3860-3867.

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- xvii. Synthesis and characterization of nanocrystalline MoBi₂Te₅ thin films for photoelectrode applications , Salunkhe, M.M., **Kharade, R.R.**, Mane, R.M., Bhosale, P.N. *Philosophical Magazine Letters*, 92 (2012) 563-571.

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- xviii. Novel microwave assisted sol-gel synthesis (MW-SGS) and electrochromic performance of petal like h-WO₃ thin films, **Rohini R. Kharade**, K.R. Patil, P. S. Patil, P. N. Bhosale, *Materials Research Bulletin*, 47 (2012) 1787-1793.

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- xix. Novel Synthetic Route For Quaternary MoBiGaSe₅ Mixed Metal Chalcogenide (MMC) Thin Films, S. P. Patil, R. M. Mane, **R. R. Kharade**, S. S. Mali, P. N. Bhosale, *Digest Journal of Nanomaterials and Biostructures*, 7, (1) (2012) 237 – 245.

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- xx. Low temperature synthesis of novel MoBiCuSe₄ nanowire thin films by vacuum deposition method and their characterization, Mohite S. S., **Kharade R. R.**, Mali S. S., Kanase D. G., Patil P. S., Bhosale P. N., *Research Journal of Chemistry and Environment*, 15 (2011) 653-657.

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- xxi. Synthesis and electrochromic application of surfactants tailored WO₃ Nanostructures, **Rohini R. Kharade**, S.P. Patil, R.M. Mane, P.S. Patil, P.N. Bhosale, *Optical Materials*, 34 (2011) 322–326.
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- xxii. Chemosynthesis and characterization of electrochromic vanadium doped molybdenum oxide thin films, S. B. Patil, S. R. Mane, V. R. Patil, **R. R. Kharade** and P. N. Bhosale, *Archives of Applied Science Research*, 3, 3 (2011) 481-491.
- xxiii. Influence of Tl⁺ doping on optostructural and electrical properties of chemically grown tungsten hetero-polyoxometallate thin films, S. R. Mane, R. M. Mane, **R. R. Kharade**, S. N. Gawale, S. M. Patil, P. N. Bhosale, *Digest Journal of Nanomaterials and Biostructures*, 6 (2011) 461-466.
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- xxv. Synthesis and characterization of chemically deposited Tl₃ (PW₁₂ O₄₀) semiconducting thin films, S. R. Mane, N. S. Patil, A. M. Sargar, S.N.Gawale, R. M. Mane, Miss. **R. R. Kharade**, and P.N. Bhosale, *Journal of Applied Archives Science2*, 2 (2010), 294-303.
- xxvi. Optical and Electrical Transport Properties of Transition Metal Dichalcogenide MoSe₂ Thin Films, S.N. Gawale, R.M. Mane, S.R. Mane, **R.R. Kharade**, SM Patil, PN Bhosale, *Archives of Physics Research* 1 (3), (2010) 72-80.
- xxvii. Optical and Electrical Studies on MoBi₂Se₅ Thin Films Prepared by Arrested Precipitation Technique (APT), R.M. Mane, N.S. Patil, S.R. Mane, **R.R. Kharade** and P.N. Bhosale, *Journal of Applied Archives Science2*, 2, (2010), 275-283.
- xxviii. Electrosynthesis and characterisation of WSe₂ thin films, S. N. Gawale, A. M. Sargar, S. R. Mane, **R. R. Kharade**, R.M. Mane and P.N. Bhosale, *J. Applied Archives Science*, 2 (1), (2010) 218-224.
- xxix. Synthesis and characterization of chemically grown electrochromic tungsten oxide, **R. R. Kharade**, S. R. Mane, R. M. Mane, P. S. Patil and P.N. Bhosale, *J. Sol-Gel Science and Technology*, 56 (2010) 177–183.
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- xxx. Synthesis and Characterization of New Quaternary MoBiInSe₅ Mixed Metal Chalcogenide Thin Films, R. M. Mane, S. R. Mane, **R. R. Kharade**, P. N. Bhosale, *J. Alloys and Compounds*, 491 (2010) 321–324.
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15) Papers in national/ international conference proceedings-

- i. Tuning of Optical Band Gap and Structural Features of Single Phase Ag₂WO₄ Thin Films: A Hybrid Synthesis, **R. R. Kharade**, S. S. Mali, S. R. Mane, S. S. Mohite, S. V. Patil, V. V. Kondalkar, P. N. Bhosale, International Conference on Materials Processing and Characterization (ICPMC) **8-10** March 2012, Gokaraju Rangaraju Institute of Engineering and Technology, Bachupally, Hyderabad, (2012) 566-570.
- ii. Electrochromic behavior of Chemically deposited Tungsten oxide thin films, **R. R. Kharade**, R. M. Mane, S. N. Gawale, H. M. Yadav, P.N. Bhosale, Proc. International conference on Recent Trends in Materials and Characterization (RETMAC-2010), 14, 15 Feb. 2010, National Institute of Technology Karnataka Surathkal, India. (2010) 406-410.