

CURRICULUM-VITAE

Name DR. NITIN HARIBHAU KOLHE
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Place of work Department of Chemistry, Post-graduate and Research center,
MES Abasaheb Garware College, Karve Road, Pune-411 004,
Maharashtra, India. Tel. No. (020) 41038263

Present position Assistant Professor in Chemistry

Title of thesis: Synthesis, Characterization and Biological activity of Mixed ligand complexes of N,O donors and chromones derivatives with transition metal ions Mn(II), Co(II), Ni(II) and Cu(II).

Area of Research: Coordination Chemistry, Inorganic spectroscopy,
Nanomaterials, Bio-inorganic Chemistry.

Teaching Experience:

1. Assistant Professor in Inorganic Chemistry at Department of Chemistry, New Arts, Commerce and Science college, Ahmednagar affiliated to Savitribai Phule Pune University, Pune.(from Sept.2011 to Dec.2016).
2. Assistant Professor in Inorganic Chemistry at Department of Chemistry, Abasaheb Garware College, Pune affiliated to Savitribai Phule Pune University, Pune (from (Dec.2016 to till date).

College Committee Member:

1. Vigilance committee
2. Debate and E-location Committee
3. Student research Committee
4. Outreach Program Committee
5. Sport Committee.
6. Documentation Committee
7. Laboratory Safety Committee.
8. Staff Academy Committee.

Awards:

1. CHEMIAD-2001, NCL-University of Pune.

Research Projects:

1. Synthesis, characterization and biological activity of some Transitions metals chromones complexes. (MRP. No. 14SCI000295)
(Grant Sanctioned Rs. 2, 30,000/-) Year 2014-2016

2. Direct Current Electrical Conductivity Study of the Thermal Decomposition of Tartrate & Succinate of Transition metal (II).
Co-Investigator-Asst.Prof.N.H.Kolhe (2011-2013, Rs.85, 000)
3. Synthesis, characterization and biological activity of mixed ligand metal Complexes of N, O and O, O' donor with Cu (II) and Ni (II) complexes".
(MRP. No: 14SCI000729) (Grant Sanctioned Rs. 2,30,000/-)
Co-Investigator : Asst.Prof.N.H.Kolhe

Research Paper Publications:

1. New Mn(II), Co(II), Ni(II) and Cu(II) homoleptic complexes with 6-chloro-5,7-dimethyl-4-oxo-4H-chromene-3-carbaldehydes and its heteroleptic complexes with quinoline-8-ol: synthesis, characterization and antimicrobial activity
Nitin H. Kolhe, et al.
Research on Chemical Intermediates, **2020**.
<https://doi.org/10.1007/s11164-020-04280-y>
2. Synthesis, characterization and biological activity of mixed ligands complexes of quinolin-8-ol and substituted chromones with Mn(II), Co(II), Ni(II) and Cu(II) metal ions.
N.H.Kolhe, S.S. Jadhav.
Research On Chemical Intermediates, **2019**, 45(3), 973-996.
<https://doi.org/10.1007/s11164-018-3656-x>
3. Synthesis, Characterization and Antibacterial Activity of Nanocrystalline Ni(II)-6-methyl-4-oxo-4H-chromene-3-carbaldehyde Complex.
N.H.Kolhe and S.S.Jadhav
Asian Journal of Chemistry, **2017**, 29(1),119-123,
<http://dx.doi.org/10.14233/ajchem.2017.20152>
4. Preparation, characterization and photocatalytic activities of TiO₂ towards methyl red degradation
D.V.Aware, S.S. Jadhav, M.E.Navgire, A.E.Athare, **N.H.Kolhe**.
Oriental Journal of Chemistry , **2017**, 33(1),104-112.
<http://dx.doi.org/10.13005/ojc/330111>
5. Sm-Doped TiO₂ Nanoparticles With High Photocatalytic Activity For ARS Dye Under Visible Light Synthesized By Ultrasonic Assisted Sol-Gel Method.
D.V.Aware, S.S. Jadhav **N. H. Kolhe**
Oriental Journal of Chemistry, **2016**, 32 (2), 933-940.
<http://dx.doi.org/10.13005/ojc/320219>
6. Nanocrystalline Mixed Ligand Complexes of Cu (II), Ni (II),Co(II) with N, O Donor Ligands:Synthesis, Characterization, and Antimicrobial activity.
N. H. Kolhe, S. S .Jadhav*, S. H. Shaikh, S. J. Takate D.V.Aware
Oriental Journal of Chemistry, **2016**, 32(6), 2999-3013.
<http://dx.doi.org/10.13005/ojc/320620>.

7. Synthesis, Spectral, Magnetic, Thermal Characterization and Antibacterial activity of Co(II) ion with O,O donor ligand of type, substituted 3-formylchromone Complex"
N. H. Kolhe , Shridhar S. Jadhav*
International Journal of Chemtech Research , **2015**,8(3),1224-1231.
8. Synthesis, Characterization and Biological Screening of Cu (II)- 3Formylchromone Derivative Complex"
N.H.Kolhe, S.S. Jadhav*, S. J. Takate, A.E. Athare, S. P. Salve
Journal of Applied Chemistry, **2014**,7(5),26-32.
9. Synthesis and Characterization of Mixed ligand complexes of Salicylaldehyde, dimethylglyoxime and Benzoin with Mn(II) and their Biological activity".
S. S.Jadhav*, **N.H.Kolhe**, A.E.Athare
International Journal of Pharma and Biosciences, **2013**, 4(3),45 – 54
10. Direct Current Electrical Conductivity Study of the Thermal Decomposition of Copper (II) Monohydrate and Zinc (II) Oxalate Dihydrate".
Athare AE*, Nikumbh AK, and **Kolhe NH**
Research Journal of Pharmaceutical, Biological and Chemical Sciences
2013,4(2),110-127.

Details of Conferences /Seminars/ Workshops:

Conference Proceeding papers

1. Influence of Sewage Water Irrigation on Soil pH , Conductivity, Macronutrient, Micronutrient and Heavy Transition Metals .
S.S.Jadhav, **N.H.Kolhe**
Conference Proceeding "Review of Progress in Nanoscience"2015, Vol.1,87-96.at N.A.C.S.College,Ahmednagar, ISBN: 978- 93-84916-65-7.
2. Synthesis characterization and biological activity of chromone derivatives of phenylhydrazine with Ni(II) ions.
Nitin H. Kolhe, Shridhar S. Jadhav*, S.J.Takate, A.E.Athare
Conference Proceeding: National Conference on Bioinspired Material in Science(BIMIS2018) at New Arts, Commerce and Science College, Ahmednagar, INDIA, 19-20, Jan. 2018.

Conferences Detail

1. National Conference on "Current Prospects and Challenges in Life Sciences" CPCLS-2013 (26-27 July2013).
2. National conference on INTERDISCIPLINARY APPROACHES IN BIOCHEMICAL SCIENCES Sponsored by B.C.U.D. S.P.Pune University on 19th -20th Dec.2014
3. Internatinal Conference on "RECENT TRENDS AND CHALLENGES IN SCIENCE AND TECHNOLOGY (RTCST-2014)organised by pravara P.V.P.C.of Arts comm. Sci . College Pravaranagar on 20-22th August-2014 [Research Paper presented -Synthesis, characterisation.....complexes

4. National conference on INTERDISCIPLINARY APPROACHES IN BIOCHEMICAL SCIENCES Sponsored by B.C.U.D. S.P.Pune University on 19th -20th Dec.2014.
5. New Approach towards Nanotechnology at Abasaheb Garware College, Pune held on 7th-8th Dec. 2017
6. Two day Nation Conference on Bioinspired Materials on 19th-20th Jan.2018 at New Arts Commerce & Science college Ahmednagar(Oral presentation on research paper).
7. Nation Conference on Enhancement of Quality in Higher Education on 23rd-24th Jan.2018 at Abasaheb Garware College Pune.
8. National webinar on "E-Content Creation and E-Learning through MOOCs, Shivaji University, Kolhapur, 29-30th May 2020.

Seminar

1. National Seminar on "Recent Trend in Chemical and Material Sciences" RTCMS-2013 held on 12th - 13th Feb.2013 by Department of Chemistry, Yashwantrao Mohite College, Bharati Vidyapeeth Deemed University, Pune
2. Research Paper Writing organised by SP, Pune University & National Academy of Science at Pune.

Workshop

1. Workshop on "Analytical Instrument Technique" sponsored by UOP at K.T.H.M.college Nashik on 11-12th 2006
2. Workshop on "M.Sc-II Inorganic chemistry syllabus" sponsor by UOP at SP College ;Pune on 14th 2009
3. University level workshop on NET/SET preparation at N.A.C.S.college Parner, Ahmednagar on 17-21st Jan.2011
4. Workshop on "Soft Skill Development " at N.A.C.S college Ahmednagar 13-14th March 2012
5. Workshop on "Analytical Instrument Techniques" Jointly Organised by Toshvin(Shimadzu)Analytical PVT.LTD. 26th-27th Dec.2012
6. Credit System and Evaluation Process For Science Faculty" held at Ahmednagar college Ahmednagar on 25 th July 2013
7. State Workshop on STRESS MANAGEMENT AND PHYSICAL EDUCATION Organised by department of Physical education at New Arts,Commerce & Science college, Ahmednagar held on 20th Nov.2013
8. National Workshop on SCIENTIFIC /RESEARCH PAPER WRITING Organised by THE NATIONAL ACADEMY OF SCIENCE,INDIA -Allahabad & dept. of chemistry, S.P.pune University held on 16-17th Dec. 2014
9. Review of progress on Nanoscience Feb.2015
INNOVATION-2015 at Sangamner Dist-Ahmednagar by BCUD University of Pune
10. New Approach towards Nanotechnology at Abasaheb Garware College, Pune held on 7th-8th Dec. 2017
11. "DIGITAL HUMANITIES" 2017 at ABASAHEB GARWARE COLLEGE, PUNE

Orientation/Refresher/FDP:

Sr.No.	Course	Online /Offline	Subject and place	Duration
1.	Orientation	Offline	ICT, New Arts, Commerce & Science College, Ahmednagar, Savitribai Phule Pune University (MHRD, UGC Sponsered)	01 Dec 2015 to 21 Dec. 2015
2.	Refresher	Offline	Environmental Studies (CHEMISTRY), UGC_HRD, SAVITRIBAI PHULE PUNE UNIVERSITY	22 Nov 2018 to 12 Dec. 2018
3.	Refresher	Online	Chemistry, Online refresher course for chemistry faculty , organized by Delhi university, HRD, SWAYAM	01 Nov 2018 to 27 Feb 2019
4.	Refresher	Online	Chemistry, Guru Angad Dev Teaching Learning Centre" of MHRD, Govt. of India PMMMMNTT scheme of MHRD, Govt. of India at SGTB Khalsa College, University of Delhi	01 Sep 2019 to 31 Dec 2019
5.	Orientation	Online	Online ICT tools for teachers Ramanujan College, Delhi University (HRD)	04 Jun 2020 to 01 Jul 2020
6.	FDP	Online	Six day online FDP on GChemPaint organized by Govt. College Una (HP) in Spoken Tutorial, IIT Bombay (An Initiative of National Mission on Education through ICT, MHRD, Govt. of India)	15th May 2020 to 20th May, 2020
7.	FDP	Online	Cooperative Learning Pedagogya four -week online course offered by GHG Khalsa College of Education, Gurusar Sadhar, Punjab (India).	22 nd May 2020 to 18 th June 2020.

Resource/ Guest Lecturer :

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1. Lecture on "**Material Science**" subject at *Loknete Vyankatrao Hiray Arts, Science & Commerce College, Panchavati, Nashik* (Dated 21/02/2012)
 2. Lecture on "**Bio-inorganic Chemistry**" to at New Arts Commerce & Science College Shevgaon ,Dist-Ahmednagar414502, Dtaed-27/03/2012)
 3. Lecture on "**Structural methods in Inorganic chemistry** to at J.A.T. Women college, Malegaon, Dist-Nashik. (2013,2014,2015).
 4. Lecture on **Molecular Symmetry and Group Theory** at Dada Patil Mahavidyalaya Karjat. 2014,2015.
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