

CURRICULUM VITAE



Dr. Sonali Suhas Patil

M.Sc. (Organic Chemistry), SET, Ph.D.

Associate Professor, Department of Chemistry and Vice Principal of J.S.M. College, Alibag.

Date of Joining at JSM college Alibag : 16/08/2001

PERSONAL INFORMATION

Name	Dr. Sonali Suhas Patil
Date of Birth	01/08/1974
Place of Birth	Mumbai
Gender	Female
Nationality	Indian
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CURRENT POSITION

1. Associate Professor, Department of Chemistry and Vice Principal JSM College, Alibag-Raigad 402201, Maharashtra, India
2. IQAC Coordinator of JSM College Alibag Raigad

ACADEMIC QUALIFICATIONS

Examinations	Name of the Board/University	Year of Passing	Percentage of marks obtained	Division/ Class/ Grade	Subject
S.S.C.	Mumbai board	1989	75.71	I	Science, social studies, maths., English, hindi, Marathi
H.S.C.	Mumbai board	1991	58.83	II	Phys., Chem., Maths, Bio. English. Hindi
B.Sc.	Mumbai University,	1994	77.87	I	Chemistry
M.Sc.	Mumbai University,	1996	68.57	I	Chemistry

SET	Mumbai SET, Pune university	March 1997	--	--	Chemical Sciences
P hD	Jaipur National University, Jaipur, Rajashtan	01-09- 2014	----	-----	Extractive spectrophotometric Determination of Ni(II), Fe(III), Pb(II), Zr(IV) and Mn(II) by using 2,4-Dimethyl 3H-1,5 Benzodizepine as a new analytical reagent

RESEARCH SPECIALIZATION

Extractive spectrophotometric determination of metal ions using new analytical reagents

DISSERTATIONS AND THESIS

Extractive spectrophotometric Determination of Ni(II), Fe(III), Pb(II), Zr(IV) and Mn(II) by using 2,4-Dimethyl 3H-1,5 Benzodizepine as a new analytical reagent

COURSES TAUGHT

Organic Chemistry (TY B Sc), Physical Chemistry (SY B Sc), Organic Chemistry (FY B Sc), Organic Chemistry (M. Sc. Part I)

ACADEMIC EXPERIENCE

Undergraduate: 21 years and Postgraduate: 21 years

COMMUNITY SERVICES

1. Worked as NSS coordinator in the AY 2007 to AY 2011

ORAL AND POSTER PRESENTATIONS

1. Poster presentation on "Development of an extractive spectrophotometric method for determination of Cu(II) 2,4-dimethyl-3H-1,5 Benzodiazepine, 8-9 Dec 2014 at VES college of Arts Science and commerce college Chembur, Mumbai in International conference New Horizon in Chemistry.
2. Poster presentation on "Development of an extractive spectrophotometric method for determination of Pb(II) 2,4-dimethyl-3H-1,5 Benzodiazepine, 4-5 Oct 2013 at Karmaveer Bahurao Patil college Vashi, Navi Mumbai in National conference Recent Trends in Coordination Chemistry.
3. Poster presentation on "NN-O-Phenynene Acetylene Acetoneimine as a new analytical reagent for extractive spectrophotometric determination of Fe(III), 22 Jan 2013 at Shet J.N. Paliwala college Pali Sudhagad in National conference Modern research Trends in Sciences.
4. Poster presentation on "Development of an extractive spectrophotometric method for determination of Zr(IV) using 2,4-dimethyl-3H-1,5 Benzodiazepine, 18 Jan 2014 at Mahatma Phule Arts science and commerce college, Panvel, in National conference Recent Advances in Material Science.
5. Poster presentation on "Development of an extractive spectrophotometric method for determination of Mn(II) using 2,4-dimethyl-3H-1,5 Benzodiazepine, 15 Nov 2014 at Bhausaheb Nene college, Pen, in National conference Environmental issues: overview and Challenges.
6. Poster presentation on "Development of an extractive spectrophotometric method for determination of Fe(II) using 2,4-dimethyl-3H-1,5 Benzodiazepine, 8-9 March 2019 at JSM

college Alibag, in International conference Recent Trends in Science..

Name of conference	International/National	Date	Place	Title of paper
Indian Council of Chemists Annual Conference	National	December 26-28 2012	Saurashtra University. Rajkot	N,N''- O- phenylene (acetylacetoneimine) as a new analytical reagent for extractive spectrophotometric determination of Nickel (II)
National Symposium on Modern Research Trends in Sciences	National	January 22, 2013	Sheth J. N. Paliwala College, Raigad	N,N''- O- phenylene (acetylacetoneimine) as a new analytical reagent for extractive spectrophotometric determination of Iron (III)
National Conference on Recent Trends in Co-Ordination Chemistry	National	October 4-5 2013	Karmaveer Bhaurao Patil college, Vashi	Development of an extractive spectrophotometric method for determination of Pb (II) using 2, 4-dimethyl - 3H-1,5 benzodiazepine
National seminar on Recent Advances In Material Sciences	National	January 18, 2014	Mahatma Phule college, Panvel, Raigad	Development of an extractive spectrophotometric method for determination of Zr (IV) using 2, 4-dimethyl -3H-1,5 benzodiazepine
National conference on Environmental Issues: Overview and challenges	National	November 15, 2014	Bhausaheb Nene college, Pen	Development of an extractive spectrophotometric method for determination of Mn (II) using 2, 4-dimethyl -3H-1,5 benzodiazepine
International Symposium on New Horizons in Chemistry-2014	International	December,8,9 2014	Vivekananda college, Chembur, Mumbai	Development of an extractive spectrophotometric method for determination of Cu (II) using 2, 4-dimethyl -3H-1,5 benzodiazepine
International Conference on	International	November 26-28, 2015	University Department	

New Horizons in Synthetic and Material Chemistry	National	December 21-22 2015	of Chemistry, Kalina, Mumbai CKT college, Panvel, Raigad.	Development of an extractive spectrophotometric method for determination of Zn (II) using 2, 4-dimethyl - 3H-1,5 benzodiazepine
National seminar on Advances in Materials Chemistry and Applications				
National seminar on Recent Development in chemical and Material Sciences	National	February 5,6 2016	Dapoli Urban Bank Senior college, Dapoli	Development of an extractive spectrophotometric method for determination of Cd (II) using 2, 4-dimethyl -3H-1,5 benzodiazepine
State level conference on Science for Sustainable Development	State level	December 19, 2016	Anandibai Pradhan Science college, Nagothane	Development of an extractive spectrophotometric method for determination of Cr (VI) using 2, 4-dimethyl -3H-1,5 benzodiazepine
National conference on Modern Research Trends in chemistry and Allied Sciences	National	February 25, 2017	J.S.M. College, Alibag, Raigad	Development of an extractive spectrophotometric method for determination of Fe (II) using 2, 4-dimethyl - 3H-1,5 benzodiazepine

INTERNATIONAL/NATIONAL CONFERENCES/ SEMINARS WORKSHOPS ATTENDED

1. Attended 01 day workshop on “New dimensions of NAAC Accreditation Revisiting the SSR and AQAR in the Revised Accreditation Framework” on 08 August 2019 at VES college of Arts Science and commerce college Chembur, Mumbai.
2. Attended 02 days National Seminar on “Nano Technology: Fundamentals and Applications” on 27-28 April 2012 at CKT college New Panvel.

ACADEMIC STAFF COLLEGE ORIENTATION/REFRESHER COURSES ATTENDED

Name of the Course/ Summer Course	Place	Duration	Sponsoring Agency
Orientation courses	UGC-ASC, Mumbai Universit	16-11-2007 to 15-12-2007	U.G.C.

Refresher courses	y, Mumbai UGC- ASC, Mumbai Universit	04-12-2009 to 24-12-2009	U.G.C.
Refresher courses	y, Mumbai UGC- ASC, Mumbai Universit	21-11-2011 to 10-11-2011	U.G.C.
Short term course	y, Mumbai UGC- HRDC, Mumbai	20-11-2017 to 25-11-2017	U.G.C.

DETAIL OF PUBLICATIONS

Sr. No.	Nature of publication (Book Review / Research Paper etc.)	List of author/s as it appear in the publication	Name of the Book & the publishers / Journal, Issue no. and year of Publication, page nos.	ISSN / ISBN number	Impact factor (in case of journal)
1.	Nanocrystalline CdSe: Structural and photoelectrochemical characterization	P.A. Chate, S.S. Patil, J.S. Patil, D.J. Sathe, P.P. Hankare	Electronic Materials Letters, Vol.8, No.6 (2012), pp 553-558	1738-8090	1.790
2.	Synthesis, optoelectronic properties and photoelectrochemical performance of CdS thin films	P.A. Chate, S.S. Patil, J.S. Patil, D.J. Sathe, P.P. Hankare	Physica B	0921-4526	1.386
3.	Development of an extractive spectrophotometric method for determination of Fe(III) using DBA as a reagent	Sonali Patil, R.S. Lokhande, S.B. Dharap, Poona m shevede, J.S. Patil	International journal of Applied chemistry, Vol.9, No.2, (2013) pp133-140	0973-1792	--

4.	Development of an extractive spectrophotometric method for determination of Ni(II) using DBA as an analytical reagent	Sonali Patil, R.S. Lokhande, S.B. Dharap, Poona m shevede, J.S. Patil	Inroads, Vol.2, No.2, July-December 2013, pp 98-101	2277-4904	--
5.	Liquid-Liquid Extractive and spectrophotometric Determination of Ni(II) with N,N'' bis (O-hydroxy acetophenone) Ethylene Diimine Derivative as an analytical reagent	Sonali Patil, R.S. Lokhande, S.B. Dharap, J.S. Patil	International journal of research in chemistry and Environment, Vol.4, Issue 1, January(2014), pp74-78	2248-9649	--
6.	Development of an Extractive Spectrophotometric Method for Determination of Zr(IV) Using 2, 4-Dimethyl -3H- 1, 5 Benzodiazepine	Sonali S. Patil	Journal of Applicable Chemistry, 2018, 7 (1): 204-211	2278-1862	--
7.	Development of An Extractive Spectrophotometric Method for Determination of Cr (III) Using 2, 4-Dimethyl -3H- 1, 5 Benzodiazepine	Sonali S. Patil	Journal of Applicable Chemistry, 2017, 6 (5): 960-966	2278-1862	--
8.	Liquid-Liquid Extractive and spectrophotometric Determination of Co(II) with N,N'' bis (O-hydroxy acetophenone) Ethylene Diimine Derivative as an analytical reagent	Sonali S. Patil	International journal of research in chemistry and environment	2248-9649	--
9.	Development of an Extractive Spectrophotometric Method for Determination of Cr (VI) using 2, 4-dimethyl-3H-1,5 benzodiazepine	Sonali S. Patil	Journal of chemistry and chemical sciences	2229-760X	--
10.	Research paper	Sonali S. Patil	Scholarly Research Journal of Interdisciplinary Studies	2349-4766	6.177

COMPLETED PROJECTS

Sr. No.	Title	Agency	Academic Year	Whether Policy Documents/ Patents as outcome
1	Development of Extractive Spectrophotometric Methods for Commercially important Metal ions	University of Mumbai	2012-2013	---