

## Biodata



**Name:** Dr. Nalawade Avinash Maruti

**Educational Qualification** – M Sc., M. Phil., Ph. D.

**Designation:** Assistant Professor

**Department:** Department of Chemistry.

**Sanstha:** “ Shri Swami Vivekanand Shikshan Sanstha” ,Kolhapur.

**College:** Lal Bahadur Shastri College of Arts, Science and commerce,  
Satara.415002.

**Date of Birth:** 1 Jan 1970.

**Residential address:** “Shivalaya” Plot no 24/25 Gulmohar Society, Sadar Bazar,  
Satara. Maharashtra. 415001.

**Email:** [navinash1170@gmail.com](mailto:navinash1170@gmail.com)

**Cell. :** 091- 9850137962

### **Educational Qualification:**

Exam passed	Board/ University	Subject	Year	Division/Grade
High School (S.S.C.)	Pune	SocialSci, Sci, Maths	1985	Dist.
Higher Secondary (H.S.C.)	Pune	Physics, Chemistry, Biology	1987	Dist.
Bachelor's Degree (B.Sc.)	Shivaji University	Chemistry	1990	1 <sup>st</sup> Class

Master's Degree (M.Sc.)	Pune university	Physical Chemistry	1992	First Class
M.Phil	Pune university	Nano Science	2001	A grade
Ph.D.	Shivaji University	Co-ordination Chemistry	2008	

**Area of Specialization :** Physical Chemistry

**Teaching Experience:** 25 Years.UG.

: 12 years PG

### Research Activity

**1. M.Phil**

Title of Thesis – **Synthesis and Characterisation of Copper and Palladium Nanoparticles,University of Pune, 2001**

**2. Ph. D.**

Title of Thesis: **Synthesis and Characterisation of Schiff Base Metal Complexes,Shivaji University, Kolhapur, 25 Feb. 2009**

**3. Research Area: Nanochemistry and Co-ordination Chemistry.**

**4. UGC Teacher Fellowship 2yrs.**

From April 2005 to March 2007 during X plan.

**5. Research Project : 2**

**6. Research Papers Published :**

International Journal 26

National Journals 01

**7. Research Papers Published: 27**

**8. Research Papers Presented / Abstracted in Conferences :**

International Conferences 04

**Seminars, Workshops, Conferences attended**

- 1] A Workshop on 'Some advanced techniques in analytical Chemistry, 3-5 Mar. 1994
- 2] State seminar on newer experiments in chemistry, November 27-28, 1998
- 3] Conference on Physics of Nanophase Materials, December 18-20, 2000
- 4] Nuclear and Radiochemistry Symposium, February 7-10, 2001
- 5] National Workshop on Recent Techniques in Instrumental Methods of Chemical analysis, March 17-18, 2002
- 6] Workshop for Science Teachers of S. S. V. S. Santha, Kolhapur, 17 Oct. 2004
- 7] 2<sup>nd</sup> International Conference on Heterocyclic Chemistry, University of Rajasthan Jaipur, 16-19 December, 2006
- 8] 43<sup>rd</sup> Annual Convention of Chemists 2006. Aurangabad, 23-27 December 2006
- 9] National Seminar on Synthesis of New Materials for Industrial Applications, 1-2 February, 2008
- 10] A two-day National Seminar on Recent Advances in Nanoscience, at Ramkrishna Paramhansa Mahavidyalaya, Osmanabad, February 23-24, 2008
- 11] Nano World 2008, Workshop-22 March 2008, Rotary Club of Pune, Sinhagad road
- 12] International Conference on Drug Discovery and Nanotechnology, January 27-29, 2008
- 13] International Conference on Nanomaterials and Applications- 2008, Kolhapur, December 9-11, 2008

- 14] One-day Workshop on Microanalysis in Chemistry held at Dept of Chemistry, Shivaji University, Kolhapur On 25<sup>th</sup> Sept. 2009
- 15] 28<sup>th</sup> Annual conference of Indian Council of Chemists held at Hemchandracharya North Gujrat University, Patan 7<sup>th</sup> -10<sup>th</sup> Nov. 2009
- 16] National seminar on Impacts of Wetlands on Agricultural and Fisheries Activity, P.D. V. P. College, Tasgaon on 17<sup>th</sup> – 18<sup>th</sup> Dec. 2009
- 17] Maharashtra state politics and administration council 29<sup>th</sup> state level conference held at P D V P College, Tasgaon 7<sup>th</sup> – 9<sup>th</sup> Jan. 2009.
- 18] State seminar on Frontiers of Research in Green chemistry held at A.C. S. College, Ramanandnagar on 25<sup>th</sup> Jan. 2011
- 19] One Day workshop on “Revised syllabus in Chemistry Paper V of Shivaji University, Kolhapur” held at Vivekanand College , Kolhapur on 10<sup>th</sup> Aug. , 2011.
- 20] One-day seminar on Project Formulation held at Dept. of Chemistry, P D V P College, Tasgaon on 20<sup>th</sup> Aug. 2011.
- 21] One day Seminar on “Spectroscopic Techniques in Chemical Analysis” held at Dept of Chemistry, P D V P College , Tasgaon on 10<sup>th</sup> Jan. 2012 .
- 22] 17<sup>th</sup> international conference on “Expanding Horizons in Chemical and Biological Sciences: Innovations Crossroads” held at Solapur University, Solapur, On 21<sup>st</sup> -24<sup>th</sup> Jan. 2012.
- 23] NEW HORIZONS -2012 Research Project Poster Presentation Competition held at Dept. of Chemistry, P D V P College, Tasgaon..
- 24] One day Workshop on “UGC New API system: a way to Personality Enrichment of Teachers” held at Putlaben Shah B. Ed. College, Sangli on 8<sup>th</sup> mar. 2012.
- 25] One day Seminar on “Awareness of Biodiversity” held at P D V P College, Tasgaon on 10<sup>th</sup> Mar. 2012.
- 26] Attended a national seminar on ‘Quality of Higher Education and Kakodkar Report’ organized by Shivaji University Teachers Association (SUTA), Kolhapur, 2<sup>nd</sup> Sept. 2012

- 27] Attended a one day workshop on revised syllabus of B. Sc I on 14<sup>th</sup> Aug. 2013 at Y. C. Institute of Science, Satara
- 28] Attended a national conference on Frontiers in Chemical and Biological Sciences at P. D. V. P. College, Tasgaon, on 23-24<sup>th</sup> Sept. 2013.
- 29] Attended a national seminar on ‘Proposed Maharashtra universities Act and Quality of higher Education’ organized by Shivaji University Teachers Association (SUTA), on 17<sup>th</sup> Feb. 2013 at Y. C. Institute of Science , Satara, 17<sup>th</sup> Feb. 2013.
- 30] Attended a National Seminar on “Current Research in Chemical Sciences” (CRCS-2013) on 22<sup>nd</sup>- 23<sup>rd</sup> Jan. 2013 held at Shivaji University, Kolhapur.
- 31] Attended a National conference on “Emerging Trends and Techiques in Chemistry” on 10-12<sup>th</sup> Oct. 2013 at Y. C. Institute of Science , Satara
- 32] Attended a International conference on “Emerging Horizons in Biochemical Sciences and Nanomaterials(EHBCSN-2013)” at Shri. Shivaji Mahavidyalaya,Barshi on 28-30 Nov 2013.
- 33] Attended a Workshop on Revised Syllabus of B.Sc.II held at Y. C. Institute of Science , Satara on 13<sup>th</sup> August 2014.
- 34] Attended a national conference on ‘Environmental Biotechnology, on 29-30 Dec. 2014 at Lal Bahadur Shastri College of Arts, Science and commerce College , Satara.
- 35] Attended a national conference on ‘Frontiers in Chemical Sciences’ at School of Chemical Sciences, Solapur University, Solapur on 30 Jun 2014.
- 35] Attended a national seminar on Environmental Management and Biodiversity conservation at Abasaheb Marathe Arts and New Commerce,Science College, Rajapur, Ratanagiri on 17-18 Jan 2014.

36] Attended a national conference on 'Recent Trends in physics', on 11-12 Oct. 2014 at Y. C. Institute of Science , Satara.

37] Attended a national conference on "Frontiers in Chemical and Material Sciences" on 16-17<sup>th</sup> Jan. 2015 held at Shivaji University, Kolhapur.

38] Attended a International conference on "Science and Technology for Society" at Colombo, Srilanka arranged by Vishwashanti Multipurpose Society, Nagpur and at Lal Bahadur Shastri College of Arts, Science and commerce College, Satara. on 19-21 May 2015.

39] Attended a one-day workshop on revised syllabus of B. Sc III in physical Chemistry paper IX and XIII on 20<sup>th</sup> Aug. 2015 at Dr. Patangrao Kadam Mahavidyalaya, Sangli

40] Attended a national conference on 'New Horizons in Chemical Sciences', on 22-23 Dec. 2015 at Y. C. Institute of Science, Satara.

41] Attended a national seminar on 'Scopes and opportunities for skill based Courses in industries', on 6<sup>th</sup> may 2016 at Lal Bahadur Shastri College of Arts, Science and commerce College, Satara.

42] Attended a national conference on 'Environmental Problems and Biodiversity', on 24-25 Jan. 2017 at Lal Bahadur Shastri College of Arts, Science and commerce College, Satara.

43] Attended National conference on on Frontrier Areas in Chemical Sciences, Yashwantrao Chavan Institute of Science, Satara 27,28 Jan 2017. 27,28 Jan 2017.

44] Attended a national conference on 'Recent Trends in Physical, Chemical and Nano Sciences, on 29-30 Jan. 2017 at Lal Bahadur Shastri College of Arts, Science and

commerce College, Satara.

45] Attended National conference on 'Innovative Research in Chemical Sciences' at Shivaji University Kolhapur on 1,2 Feb 2017

46] Attended a national seminar on 'Industrial Interactions and placements', on 19 April. 2017 at Lal Bahadur Shastri College of Arts, Science and commerce College, Satara.

47] Attended a 'Digital Literacy Workshop' on 10<sup>th</sup> Aug. 2017 at Lal Bahadur Shastri College of Arts, Science and commerce College, Satara.

### **Refresher / Orientation Course**

1. Completed Orientation Course in Chemistry from 16<sup>th</sup> Aug to 12<sup>th</sup> Sept ,1995 at University of Pune.

2. Completed Refresher Course in Chemistry from 8<sup>th</sup> Nov. to 28<sup>th</sup> Nov. 2011 at University of Pune

3. Completed Refresher Course in Chemistry from 1<sup>st</sup> Oct. to 20<sup>th</sup> Oct. 2012 at University of Mumbai.

4. Completed short term course in Chemistry from 19<sup>th</sup> Sept. 2016 to 24<sup>th</sup> Sept. 2016 at University of Pune

### ➤ **Contribution to Administrative Work**

#### 1. **Coordinator:**

Carrer oriented course- **Analytical instrumentation** (2010-2013)

Coordinator **NAAC** - (2013-2016)

#### 2. **Chairman :**

➤ Chairman of UGC Committee

➤ Co-ordinator NIRF

## **Books Written**

1. A. M. Nalawade, A Text Book of Analytical Chemistry B.Sc. Part II Sem IV Shivaji University Nirali Prakhan, ISBN 978-93-5164-176-6
2. A. M. Nalawade, A Text Book of Organic Chemistry B.Sc. Part II Sem IV Shivaji University Nirali Prakhan, ISBN 978-93-5164-165-1
3. A. M. Nalawade, A Text Book of Physical Chemistry B.Sc. Part II Sem IV Shivaji University Nirali Prakhan, ISBN 978-93-5164-377-7
4. A. M. Nalawade, A Text Book of Inorganic Chemistry B.Sc. Part II Sem III Shivaji University Nirali Prakhan, ISBN 978-93-5164-378-4
5. A. M. Nalawade, A Text Book of Organic Chemistry B.Sc. Part III Sem V Shivaji University Nirali Prakhan, ISBN 978-93-5164-742-3
6. A. M. Nalawade, A Text Book of Industrial Chemistry B.Sc. Part III Sem V Shivaji University Nirali Prakhan ISBN 978-93-5164-24-9
7. A. M. Nalawade, A Text Book of Physical Chemistry B.Sc. Part III Sem V Shivaji University Nirali Prakhan, ISBN 978-93-5164-743-0
8. A. M. Nalawade, A Text Book of Inorganic Chemistry B.Sc. Part III Sem V Shivaji University Nirali Prakhan, ISBN 978-93-5164-744-7
9. A. M. Nalawade, A Text Book of Physical Chemistry B.Sc. Part III Sem VI, Shivaji University, Nirali Prakashan, ISBN 978-93-5164-866-6
10. A. M. Nalawade, A Text Book of Inorganic Chemistry B.Sc. Part III ,Sem VI, Shivaji University, Nirali Prakashan, ISBN 978-93-5164-865-9
11. A. M. Nalawade, A Text Book of Organic Chemistry B.Sc. Part III ,Sem VI, ShivaJi University, Nirali Prakashan, ISBN 978-93-5164-867-3



12. A. M. Nalawade, A Text Book of Analytical Chemistry B. Sc. Part III ,Sem VI,

Shivaji University, Nirali Prakashan, ISBN 978-93-5164-868-6

13. A Hand Book of Practical Chemistry for B. Sc. I

### Research Project Completed-

Project Name	Name	Amount	Funding Agency	Duration	Status
Physiochemical and biological activity studies on Schiff base metal complexes	Principal Investigator	1,05,000/-	UGC, New Delhi	Two years	Completed
Extraction & Photometric Determination of Some Toxic Transition Metals with Thiocarbohydrazone Derivatives	Co-investigator	1,65,000/-	UGC, New Delhi	Two years	Completed

#### ➤ **Innovation / Contribution of Teaching:**

- Arrangement of Seminars. Projects, Study Tours.
- Conduction of Surprise tests, Terminal, Preliminary Exams.
- Demonstration of Models , Power point presentations during Lectures.

#### ➤ **Work at University Level**

1. External Examiner in B.Sc. I, II, III and M. Sc.I and II Practical Examination:
2. Examiner and Moderator in B.Sc. I, II, III and M. Sc.I and II Theory Exam.
3. External Senior Supervisor for Theory Examination of Shivaji University, Kolhapur.
4. Junior Supervisor in University Theory Examination.

### Research Guidance(P.hd)

Sr No	Name of Student	Research Topic
1	Mr. Sandip Madan Patange	Synthesis and characterization of Schiff Base Metal Complexes
2	Miss Pournima Damte	Physicochemical and Biological Studies of thiazole containing Schiff Base Metal Complexes
3	Mr Shivaji Suryavanshi	Synthesis and applications of transition metal complexes using heterocyclic Schiff Bases
4	Mr. Deepak Kumbhar	Synthesis of dopped zinc oxide, material for solar cell application

### National Conference/Seminars organized

- 1] A national seminar on Recent advances in Nanosciences” held at department of Chemistry , R. P. College, Osmanabad on 23-24 th Feb. 2008
- 2] National conference on Recent Trends in Physical, Chemical and Nano Science NCRT-PC-Nano-2017 at Lal Bahadur Shastri College of Arts , Science and Commerce, Satara, Maharashtra, India. on 23 Jan 2017

### Paper published in International Journals

- 1] Shape – controlled preparation and catalytic activity of metal nanoparticles for hydrogenation of 2-butyne-1, 4 diol and styrene oxide-, Journal of applied catalysis, 2004. Applied catalysis A: General 273(2004) 11-19, Telkar, M.M., Rode, C.V., Chaudhari, R.V., Joshi, S.S., Nalawade, A.M
- 2] Carbon-carbon bond formation via palladium catalyzed reactions of organomercurials with acylhalides, Journal of Indian Chemical Society, Vol.84, page 394-395, 2007
- 3] Spectral, thermal, XRD and biological studies on 4-(p-fluorophenyl)-2-aminothiazole, Journal of Indian Chemical Society, Vol. 85, page 862-865, January 2008.
- 4] Palladium catalyzed cross-coupling reactions of organomercurials, Journal of Indian Chemical Society, Vol.86, 2009.
- 5] Co<sup>II</sup> and Zn<sup>II</sup> complexes of Schiff bases derived from fluoroaminothiazole: spectral, magnetic and biological studies, Journal of Indian Chemical Society, vol. 88, June 2011, pp. 781-787.
- 6] Synthesis and Characterisation of Schiff Bases Derived from Aminothiazoles, Accepted, Aviskar, Journal of Solapur University, Solapur.
- 7] Microwave assisted synthesis, characterization of Substituted 2-aminothiazoles and their biological activity, DAV International Journal of Science Volume-2, Issue-1 January, 2013, ISSN: 2277-5536 (Print); 2277-5641 (Online) 65,Rajmane S. V., Lawand A. S., Nalawade A. M., Bhalvankar R. B., Dama L. B. and More P. G
- 8] International Journal of Engineering Science Invention ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726 www.ijesi.org Volume 2 Issue 7 | July. 2013 | PP.01-04  
Thiazole Containing Schiffs Bases and Their Transition Metal Complexes  
Dr. A.M. Nalawade , Mrs. R.A. Nalawade , Mr. S.M. Patange, Miss. D.R. Tase

9] 4-(*o*-chlorophenyl)-2-Aminothiazole: Microwave assisted synthesis, spectral, thermal, XRD and biological studies, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 115, p. 393-398, Nov. 2013

S. V. Rajmane, A. S. Lawand, A. M. Nalawade, N. N. Karale and P. G. More

10] Synthesis and antimicrobial evaluation of novel 3-(4,6- diphenyl-6H-1,3-thiazin-2-yl)-2-(4-methoxyphenyl) thiazolidin-4-one derivatives, Journal of Applied Pharmaceutical Science Vol. 3 (11), pp. 122-127, November 2013

Sayaji S. Didwagh, Pravina B. Piste\*, Aravind S. Burungale, Avinash M. Nalawade.

11] Physicochemical and biological studies on 4-(*o,p*-dichlorophenyl)- 2-aminothiazole

R. A. Nalawade, S. M. Patange, S. V. Rajmane, P. G. More and A. M., Nalawade

Published in International J. of Pharmaceutical Science Invention, ISSN-2319-670X, vol-3, issue 9, Sept 2014, page no-55-59

12] Analysis of physico-chemical parameters of water in various villages in tasgaon tahsil, district. maharashtra- india, Bionanofrontier, ISSN-0974-0678 vol-8, issue3, 119-121, April 2015

R.A. Nalawade, A.M. Nalawade , C.P. Mane , D.V. Rupnawar , M.K. Sakate , B.S. Londhe , R.V. Shejwal , M.A. Anuse ,

13] Microwave assisted synthesis, structure and spectral characterization of (E)-N'-(2-hydroxybenzylidene) hydrazinecarbothiohydrazide under solvent and catalyst free conditions, Bionanofrontier ISSN-0974-0678, vol-8, issue3, 56-59. April 2015

R.A. Nalawade , A.M. Nalawade , B.S. Londhe , N.L. Tarwal, R.V. Shejwal , M.A. Anuse ,

14] Microwave assisted synthesis, structure, spectral characterization and biological studies of (E)-N'-(4methylbenzylidene) hydrazinecarbothiohydrazide

R.A. Nalawade , A.M. Nalawade , C.P. Mane , D.V. Rupnawar, M.K. Sakate, , B.S. Londhe, R.V. Shejwal , M.A. Anuse

Published in International J. of Researches in Biosciences, Agriculture and technology ISSN-2347-517X, Issue-1, May -2015, page No-139-141

15] Microwave assisted synthesis, structure, spectral characterization and biological studies of (E)-N'-(4- fluoro benzylidene)hydrazinecarbothiohydrazide

A.M. Nalawade, R.A. Nalawade, B.S. Londhe, N. L. Tarwal, R.V. Shejwal .

Published in International J. of Researches in Biosciences, Agriculture and technology ISSN-2347-517X, Issue-1, May -2015, page No-95-97

16] Divalent cadmium recovery by liquid- liquid extraction with 2-octylaminopyridine from acidic bromide media and its separation from other toxic metal ions

C.P. Mane, M.K. Sakate· D.V. Rupnawar , R.A. Nalawade, A.M. Nalawade, R.V. Shejwal , M.A. Anuse, Published in International J. of Researches in Biosciences, Agriculture and technology ISSN-2347-517X, Issue-1, May -2015,page No-68-71

17] Microwave Assisted Synthesis, Structure, Spectral Characterization and Biological Studies Of (E)-N'-(4- Chloro -Benzylidene)Hydrazinecarbothiohydrazide

Rekha A. Nalawade, Avinash M. Nalawade , Shivaji V . Rajmane , Rajendra V. Shejwal, published in International J. of Pharmaceutical Science Invention, ISSN-2319-670X, vol-4, issue 5, May 2015, page no-1-4

18] Rapid, synergistic extractive spectrophotometric determination of copper(II) by using sensitive chromogenic reagent N'',N'''-bis[(E)-(4-fluorophenyl)methylidene]thiocarbonohydrazide

Rekha A. Nalawade, Avinash M. Nalawade, Ganesh S. Kamble, Mansing A. Anuse Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 146 (2015) 297–306

19] Microwave assisted synthesis, structure and spectral characterization of novel Schiff's bases of Thiocarbonohydrazides under solvent and catalyst free conditions

Nalawade R. A., Nalawade A. M., Londhe B. S. and Shejwal R. V.

Research J. of Chemistry and Environment, volume 19(10), Oct 2015, page no 25-28

20] New Analytical Technique For The Determination Of Mercury (II) By Synergistic Extractive Spectrophotometric Method With N'',N'''-Bis[(E)-(4-fluorophenyl)methylidene] Thiocarbonohydrazide,International Journal of Pharmaceutical Science Invention, 6(1) 2017 , 50-62.

21] Synthesis, Characterisation and Biological Activities of Some Aromatic Thiocarbohydrazones, Bioscience Discovery, 8 (2), (2017), 274-279, Nalawade A. M., Nalawade R. A. , Shejwal R. V.

22] A (E)-N'-(4-Hydroxybenzylidene) Hydrazine Carbothiohydrazide: Microwave Assisted Synthesis, Spectral and Biological Studies, Research Journal of Pharmaceutical, Biological and Chemical Sciences, 8(3)2017,1333-1337

Avinash Nalawade, Rekha Nalawade, and Rajendra Shejwal.

23] Synthesis, Structure, Spectral Characterization and Biological Studies of (E)-N'-(4-methylbenzylidene) Hydrazinecarbothiohydrazide ,International Journal of ChemTech Research, (10) 6, 2017, 553-557. Avinash Nalawade, RekhaNalawade, Balaji Londhe

24]Physico-chemical parameters of water in various villages in Satara Tahsil, Maharashtra-India, Published in International J. of Researches in Biosciences, Agriculture and technology ISSN-2347-517X, Special Issue(1), April-2017, 41-43

A. M. Nalawade , R. A. Nalawade , D V Rupnavar

25] Physico-chemical analysis of water from Yatwateshwar in Satara District, M. S. India Published in International J. of Researches in Biosciences, Agriculture and technology ISSN-2347-517X, Special Issue(1), April-2017, 102-103

A. M. Nalawade , R. A. Nalawade , D V Rupnavar , Y. B. Gurme

26] Synthesis, Characterization And Biological Studies Of N",N""-Bis[(E)-(4-Fluorophenyl) Methylidene] Thiocarbonohydrazide, Published in International Journal of Engineering Science Invention ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726 ,Volume 6 (9) September 2017 PP. 46-49

Rekha Nalawade Avinash Nalawade ,Rajendra Shejawal, Mansing Anuse

### **Paper published in National Journals**

1]Inculcating Research Culture for Overall Development of the Students,Teachers and Institution. **Indian Stream Research Journal**, ISSN 2230-7850. **January 2014**

### **Paper published in International Conference Proceedings**

1] Fabrication and performance of the solar cell devices based on electrodeposited compact CZTS films

N.L. Tarwal, **A.M. Nalawade** , S. A. Rasal , R.P.Bhosale , A.E.Korade , R.V.Shejwal , P.S. Patil , J.H. Jang

Proceeding of International conference on Advances in Materials Science at Raje Ramrao Mahavidyalaya, Jat, on 7,8 Dec 2016. ISBN 978-93-5254-490-5, 306-308

2] Study of Morphological Change in ZnO Nanoparticles by Capping Agents Using Solgel Method

D. A. Kumbhar , **A. M. Nalawade** , R. A. Nalawade, S. B. Raut.

Proceeding of International conference on Advances in Materials Science at Raje Ramrao Mahavidyalaya, Jat, on 7,8 Dec 2016. ISBN 978-93-5254-490-5, 309-312.

### **Paper published in National Conference Proceedings**

1] Physico-chemical parameters of water in various villages in Satara Tahsil, Maharashtra,India, Proceedings of National conference on Environmental Biotechnology ,29-30 Dec 2014, at Lal Bahadur Shastri College of Arts, Science and commerce College , Satara. ISBN 978-81-8498-4126,380-383

R. A. Nalawade ,R V.Shejwal, D V Rupnavar , A. M. Nalawade \*

### **Paper presented in International Conferences –**

1] “Spectral,thermal and XRD studies on 4-(p-hydroxyphenyl)-2-aminothiazole” in a Second international conference on Heterocyclic Chemistry, University of Rajasthan, Jaipur,16-19 December 2016

2]“Synthesis structure ,Spectral Characterization and Biological Activity of Copper(II) complexes of (E)-N-(4-Fluorobenzylidene)hydrazine carbothiohydrazide” pp-99 in a “International Conference on ‘Emerging Horizons in Biochemical Sciences and Nanomaterials”,at Shivaji College, Barshi on 28-30 Nov -2013.

R.A. Nalawade , A.M. Nalawade ,R. V. Shejwal , M. A. Anuse

3] Physico-chemical Analysis of Surface and Ground water of Tasgaon Tahsil ,International conference on Innovations in Energy, Polymer and Environmental Science on 10-12 Jan. 2014 at Y C I S Satara,R.A. Nalawade , A.M. Nalawade , R. V. Shejwal

4] Synthesis and optical Characterisation of copper nanoparticles by Electrochemical Method, International conference on Functional Materials @ nanoscales: Concerns and Challenges (ICFMNCC-2015),March 9-11,2015 at KBP Pandharpur

R.A. Nalawade , A.M. Nalawade , B.S. Londhe

**Paper presented in National Conference**

- 1] Presented a paper entitled “Studies of nanoparticles prepared by Alcohol reduction method’ in conference on Physics of Nanophase Materials, December18-20,2000.
- 2] Presented a paper entitled “Spectral,thermal and XRD studies on 4-(p-hydroxyphenyl)-2-aminothiazoles in 43<sup>rd</sup> Annual convention of Chemists 2006,Aurangabad,23-27 December 2006
- 3]Presented a paper entitled “Spectral,Thermal and Biological Studies on Zn(II) and Cu(II) complexes of Schiff Bases” in 28<sup>th</sup> Annual conference of Indian Council of Chemists held at Hemchandrachaya North Gujrat University,Patan,7-10 Nov.2009
- 4] Presented a paper entitled “Synthesis, Characterisation and Biological studies on Fluorothiazole Schiff Bases in 28<sup>th</sup> Annual conference of Indian Council of Chemists held at Hemchandarya North Gujarat University, Patan, 7-10 ,2009.
- 5] Presented a paper entitled “Comparative studies of palladium Nanoparticles prepared by Radiolytic and Alcohol reduction method’ in a national seminar on Recent advances in Nanosciences” held at department of Chemistry , R. P. College, Osmanabad on 23-24 th Feb. 2008
- 6] Presented a paper entitled “Optical properties of Copper nanoparticles prepared by Radiolysis Method” in a national seminar on Recent advances in Nanosciences” held at department of Chemistry, R. P. College, Osmanabad on 23-24 th Feb. 2008
- 7] Presented a paper entitled “Effect of polymer on the formation of Copper Nanoparticle by Chemical reduction Method” in a national seminar on Recent advances in Nanosciences” held at department of Chemistry, R. P. College, Osmanabad on 23-24 th Feb. 2008
- 8]Presented a paper entitled “Pesticidal pollution of agrosystems” in ational seminar on Agricultural and Fisheries Activity, Tasgaon on 17-18 Dec. 2009
- 9]Presented a paper entitled “Extractive spectrophotometric determination of Cu(II) by using P- Fluorobenzaldehyde thiocarbohydrazone” in National seminar on Recent Advances in Synthetic Chemistry and Nanomaterials held at Shivaji University, Kolhapur on 21<sup>st</sup> and 22<sup>nd</sup> Jan. 2012



10] Presented a paper entitled “Extractive spectrophotometric determination of Cu(II) by using P- Iodobenzaldehyde thiocarbohydrazone” in National seminar on recent Advances in Chemical Sciences held at Y C I S, Satara , on 23 and 24 Sep. 2013

11] Synergistic extraction and spectrophotometric determination of copper(II) by using p-chloro benzaldehyde thiocarbohydrazone” in a “National seminar on Current Research in Chemical Sciences.” On 22<sup>nd</sup> to 23<sup>th</sup> Jan. 2013 at Department of Chemistry, Shivaji University, Kolhapur

12] Presented a paper entitled “Synthesis of Silver Nanoparticles Using Tulsi Extract Ocimum Sanctum as a Green approach” in a national conference on “Frontiers in Chemical and Biological Sciences” at P. D. V. P. College, Tasgaon, on 23-24<sup>th</sup> Sept. 2013., R.A. Nalawade , A.M. Nalawade , R. V. Shejwal

13] Presented a paper entitled “Microwave assisted Synthesis of Schiff Bases of Ethylene Diamine” in a National conference on “Emerging Trends and Techniques in Chemistry” on 10-12<sup>th</sup> Oct. 2013 at Y. C. Institute of Science, Satara  
R.A. Nalawade , A.M. Nalawade , R. V. Shejwal

14] Presented a paper entitled “Synthesis, Structure, Spectral Characterization and Biological Activity of complexes of copper(II) with of (E)-N'-(4methylbenzylidene)hydrazine carbothiohydrazide”  
“National seminar on recent advances in organometallic chemistry,” at Shahu College, Kolhapur on Dec. 20-21 2013, R.A. Nalawade , A.M. Nalawade

15] Presented a paper entitled “Global Warming: An alarm to Human Race” in a “National Conference on Global Warming” held at M. B. Kadam College, Kadegaon. on 6,7 Feb. 2014. ISBN 978-93-5156-228-3, R.A. Nalawade , A.M. Nalawade , R. V. Shejwal

16] Presented a paper entitled “Synthesis, Structure, Spectral Characterization and Biological Activity of of (E)-N'-(4methylbenzylidene)hydrazinecarbothiohydrazide”  
“Recent Trends in Chemical and Nanosciences” at Dept of Chemistry, Shivaji University, Kolhapur. on 17-18 Jan. 2014  
R.A. Nalawade , A.M. Nalawade , R. V. Shejwal

17] Presented a paper entitled “Physico-chemical Analysis of Soil from Tasgaon Tahsil” in a “National seminar on Environmental Management and Biodiversity Conservation” on 17<sup>th</sup> and 18<sup>th</sup> Jan . 2014 at Abasaheb Garware Arts and new Commerce, Science College, Vikhare Gothane,Rajapur,R.A. Nalawade , A.M. Nalawade

18] Presented a paper entitled “Synthesis and Characterization of Copper nanoparticles by Electrochemical Method” in a “National Conference on Recent Trends in Physics” , at Dept of Physics , Y.C. I. S. , Satara, on 10-11 October 2014. ISBN 978-81-928732-3-7, R.A. Nalawade , A.M. Nalawade , D. V. Rupnawar, R. V. Shejwal

19] Presented a paper entitled “Synthesis, structure, spectral characterization and biological activity of complexes of copper(II) with of (E)-N’-(4-bromobenzylidene)hydrazine carbothiohydrazide” in a National conference on “Frontiers in Chemical and Material Sciences” at Dept. of Chemistry , Shivaji University, Kolhapur, on 16-17 January, 2015.

R.A. Nalawade , A.M. Nalawade , R. V. Shejwal

20] Microwave Assisted Synthesis, Structure, Spectral Characterization And Biological Studies Of N',N''-Bis [(E) -(4- Chloro -Phenyl)Methylidene],National seminar on Current Trends in Organic Chemistry Research at Karmaveer Bhaurao Patil College, Pandharpur (NS-CTOCR-2015),6,7 Feb-2015

R.A. Nalawade , A.M. Nalawade

21] Microwave assisted synthesis, structure, spectral characterization and biological studies of (E)-n'-(4-bromo benzylidene)hydrazinecarbothiohydrazide-In National Conference on New Horizons in Chemical Sciences, on 22,23 Dec 2015,Y.C. Satara

A.M. Nalawade <sup>a\*</sup>, R.A. Nalawade <sup>a</sup>, B.S. Londhe <sup>b</sup>, R. V. Shejwal<sup>a</sup>, D. V. Runawar<sup>a</sup>

22] Microwave assisted synthesis, structure, spectral characterization and biological studies of (e)-n'-(4-methyl benzylidene)hydrazinecarbothiohydrazide in National seminar on Application of Chemical and material Science for sustainable Development on 20 Feb 2016 at Shivaji University,Kolhapur

A.M. Nalawade , R.A. Nalawade , B.S. Londhe , R. V. Shejwal, M. A. Anuse

23] New analytical technique for the determination of mercury (II) by synergistic extractive spectrophotometric method with new reagent N'',N'''-bis[(E)-(4-fluorophenyl)methylidene]thiocarbonohydrazide in National seminar on Application of Chemical and

material Science for sustainable Development on 20 Feb 2016 at Shivaji University, Kolhapur

Rekha A. Nalawade, Avinash M. Nalawade, Mohan Jamdar, Anita A. Ghare, Ganesh S. Kamble, Mansing A. Anuse

24] Synergistic spectrophotometric determination of silver(I) by using N",N'"-bis[(E)-(4-fluorophenyl)methylidene] thiocarbonohydrazide bis-(4-fluoroPM)TCH at National conference on Innovative Research in Chemical Sciences at Shivaji University Kolhapur on 1,2 Feb 2017, R. A. Nalawade , A. M. Nalawade , A.N. Kokare , S.B. Zanje , A.A. Ghare , M.A. Anuse

25] Synthesis, Structure, Spectral Characterization and Biological Activity of Copper(II) Complexes with (E)-N'-(4-Chlorobenzylidene)hydrazine carbothiohydrazide at National conference on Innovative Research in Chemical Sciences at Shivaji University Kolhapur on 1,2 Feb 2017

A. M. Nalawade , R. A. Nalawade , M.A. Anuse

26] Schiff's Bases and their Transition Metal Complexes of 2-aminothiazole at national conference on Recent Trends in Physical, Chemical and Nano Science NCRT-PC-Nano-2017 on 23 Jan 2017 at Lal Bahadur Shastri College of Arts, Science and Commerce, Satara, Maharashtra, India.

A.M. Nalawade , Mrs. R.A. Nalawade , Mr. S.M. Patange

27] Physicochemical characterization And Biological Studies Of (E)-N'-(4-Chlorobenzylidene)Hydrazinecarbothiohydrazide at national conference on Recent Trends in Physical, Chemical and Nano Science NCRT-PC-Nano-2017 on 23 Jan 2017 at

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Rekha A. Nalawade , Avinash M. Nalawade

28] Synthesis, Structure, Spectral Characterization and Biological Activity of mercury(II) Complexes with (E)-N'-(4-Chlorobenzylidene)hydrazine carbothiohydrazide ”

at national conference on Recent Trends in Physical, Chemical and Nano Science NCRT-PC-Nano-2017 on 23 Jan 2017

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30] Extractive, synergistic, fast, spectrophotometric determination of copper(II) by using N",N""-bis[(E)-(4-fluorophenyl)methylidene] thiocarbonohydrazide bis-(4-fluoroPM)TCH at YC Satara 27,28 Jan 2017

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31] Microwave assisted synthesis, structure, spectral characterization and biological studies of (E)-N'-(4- chloro benzylidene)hydrazinecarbothiohydrazide, at Yashwantrao Chavan Institute of Science, Satara 27, 28 Jan 2017.

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