

Curriculum vitae

PERSONAL VITAE:

Name : Dr. JAYASHRI DINKAR BHIRUD
Department : School of Chemical Sciences
Current Designation : Assistant Professor
Gender : Female
Specialization : Organic Chemistry
Date of Birth : 10th March 1983



EDUCATIONAL DETAILS

Degree	University	Class/Percentage	Year of Passing
B.Sc.(Chem.)	N.M.U. Jalgaon	1 st Class/ 64.84%	2003
M.Sc. (Org. Chem.)	N.M.U. Jalgaon	1 st Class/ 60.01%	2009
B.Ed.	N.M.U. Jalgaon	1 st Class /70.75%	2006
M. Phil	M. K. University, Madurai	Awarded	2007
Ph. D Chemistry	K. B. C. N. M. U. Jalgaon	Awarded	2018
Title: <i>Synthesis, Characterization and Biological activity evaluation of 1,2 and 1,3 azole derivatives</i>			

EXPERIENCE: 13 years

1. Government Polytechnic, Jalgaon : *Lecturer* 2006-2007

- Conveyed the basic knowledge of chemistry to first year students.
- Developed the small laboratory experiments.
- Create a positive environment that enables students to enjoy learning.

2. Department of Chemistry, M. J. College, Jalgaon: *Contract Basis* 2009-2019

- Teaching skillfully to P.G. students.
- 15 Research projects of Budding research scheme and M.Sc guided to students.
- Participated in Curricular and extra curricular activities.

3. School of Chemical Sciences, M.J.College, Jalgaon:Assistant Professor, 2019- Till date

- Teaching is by heart to Undergraduate and Postgraduate students due to this, teaching and learning is joyful.
- The main objective of teaching process is, students assist and enable to achieve their goals.
- Participated in syllabus framing workshops organized by K.B. C. N. M. U. Jalgaon.
- Worked as a Chairman/member in College organized conferences, Workshops, Gatherings.
- Paper Assessment and paper setting was also done for postgraduate level.

AWARDS

- ❖ **Best poster Presentation Award (First Prize)** entitled “Solvatochromism study of (thiazol-2-yl)diazenyl derivatives synthesized from 2-amino thiazole” in National Conference on Changing Paradigms in Chemical Sciences (CPCS-2019), Organized by P.O. Nahata College, Bhusawal, on 27th September 2019.

RESEARCH PUBLICATIONS

1. *Recent Developments in Synthesis of 4-Amino-1-(Substituted Phenyl)-1H-Pyrazole-3, 5-Dicarbonitrile Catalyzed By Sodium Benzoate: A Green Chemistry Strategy* Jayashri D. Bhirud and Hemant P. Narkhede, International Journal of Engineering Science and Computing, (IJESC), 6(6), 2016, 7998-8000.
2. *Potassium Dihydrogen Phosphate: An Inexpensive Catalyst for the Synthesis of 2, 4, 5- Trisubstituted Imidazoles under Solvent Free Condition* Jayashri D. Bhirud and Hemant P. Narkhede, Journal of Applicable Chemistry, 5(5), 2016, 1075-1079.(UGC List No.62886).
3. *Sulfamic Acid Catalyzed One-Pot Synthesis of Biologically Relevant 4,5-dihydro-1H-pyrazole Derivatives* Jayashri D. Bhirud and Hemant P. Narkhede, Journal of Applicable Chemistry,7(5), 2018, 1166-1171. (UGC List No.62886).
4. *Synthesis of 4-(2- substituted phenyl)diazenyl)_1-phenyl pyrazolidine -3,5-dione catalysed by L-proline and biological Activity* Jayashri D. Bhirud, P. P. Mahulikar and Hemant P. Narkhede, Indian Journal of Chemistry –B, 57(B), 2018, 1208-1212. (UGC List No.20731).
5. *Synthesis of (thiazol-2-yl)diazenyl) derivatives from 2-amino thiazole and their solvatochromism study* Jayashri D. Bhirud and Hemant P. Narkhede , Journal of Emerging Technologies and Innvative Research, 6(3), 2019, 218-223, (UGC List No. 63975).

6. *Synthesis of 14-aryl-14H-dibenzo (a,j) xanthene using citric acid* Borole Harshal and Jayashri D. Bhirud, Journal of Innovations in Engineering Science, 4(10), 2019, 184-186.
7. *An expeditious and facile synthesis of isoxazole derivatives in deep eutectic solvent*, Jayashri D. Bhirud and Hemant P. Narkhede, Indian Journal of Heterocyclic Chemistry (Accepted).
8. *Synthesis and biological activity of 7-(2-(1H-1,2,4-triazol-1-yl)ethoxy)-4-(styryl/4-substituted styryl)-2h-chromen-2-one*, Jayashri D. Bhirud, Yogesh B. More, Pankaj D. Baviskar and Hemant P. Narkhede (Accepted).
9. *Sulfamic acid catalysed synthesis of new 3,5-(sub)phenyl]-1H-pyrazole bearing NI-isonicotinyl: and their pharmacological activity evaluation*. Jayashri D. Bhirud, Rajendra D. Patil and Hemant P. Narkhede, Bioorg. Med Chem. Lett. (Communicated)
10. *Oxidative cyclization of chalcones in presence of sulfamic acid catalyst towards the synthesis of 1,3,5-trisubstituted pyrazoles and screening of biological activities as well as thermal properties of synthesized 1,3,5-trisubstituted pyrazoles*. Jayashri D. Bhirud and Hemant P. Narkhede, Russian Journal of Organic Chemistry (Communicated).

BOOK PUBLISHED

- ❖ Book published of F.Y. B.Sc. Sem II, **CH-123 Practical chemistry**. By: J. D. Bhirud, R. D. Patil and R. M. Rathod. **ISBN No. 978-93-89501-23-0**.
- ❖ Book published of F.Y. B.Sc. Sem II, **CH-122 Organic chemistry**. By: R. D. Patil, J. D. Bhirud and R. M. Rathod. **ISBN No. 978-93-89-501-24-7**

CONFERENCES /WORKSHOPS

1. **Poster** presentation entitled '*Synthesis and Characterization of Some Novel Pyrazoles using Greener Approach*', in *National Conferences on Innovative Interdisciplinary Ideas in Chemical Sciences (NCIICS-2013)* during 8th - 9th February 2013 at Art's Sciences and Commerce College, Chopda.
2. **Poster** presentation entitled '*A Convenient Synthesis of Some N-substituted Pyrazole Derivatives*' in the *International conferences on Global Opportunities for Latest Developments in Chemistry and Technology (GOLD-CT 2014)* during 6th - 8th

- February 2014 at School of Chemical Sciences, North Maharashtra University, Jalgaon.
3. **Poster** presentation entitled '*Synthesis of Aminopyrazolone by using Green Catalyst*' in *Royal Society of Chemistry Symposium on Frontier of Advances in Chemistry and Technology-2015 (FACT-2015)* during 11th-12th December 2015 held in School of Chemical Sciences, North Maharashtra University, Jalgaon.
 4. **Oral** presentation entitled '*Knoevenagel condensation of 1, 3-diphenyl-1H pyrazole-4-carbaldehyde*' in 5th *National conference on Recent advances in Chemo Bio Sciences (RACB-2015)* during 23th -24th January. 2015 at Moolji Jaitha College, Jalgaon.
 5. **Attended** one day 'Syllabus framing workshop of M.Sc. II Organic chemistry' on 2nd February 2015, organized by S. S. V. P. S. College, Dhule.
 6. **Oral** Presentation entitled '*An Efficient protocol for synthesis of 1,3,5 trisubstituted pyrazole*' in *National Conferences on Recent Trends in Environmental Protection (RTEP-2015)* during 12th-13th February 2015 in Smt. P. K. Kotecha Mahila Mahavidyalaya, Bhusawal.
 7. **Attended** one day 'Syllabus framing workshop of Msc II Organic Chemistry Practicals' on 20th February 2015, organized by Smt. G.G. Khadse college Muktainagar.
 8. **Poster** presentation entitled '*Synthesis of 2,4,5 triaryl-1H-Imidazole by using Catalyst*' in *6th National conference on Recent advances in Chemo Bio Sciences (RACBS-2016)* on 23th January, 2016 at M. J. College, Jalgaon.
 9. **Attended** one day workshop on '*Indian Patenting and Filing procedures*' organized by RUSA, RGNIPM Nagpur and North Maharashtra University, Jalgaon on 23rd August 2016 at North Maharashtra University, Jalgaon.
 10. **Oral** presentation entitled '*Synthesis of versatile synthone: Aminopyrazole by using catalyst*' in *International conferences on Pure and Applied Sciences (ICPAS-2016)* during 12th-14th December 2016 in Gaikwad Art's Sciences and Commerce College, Malegaon Camp.
 11. **Poster** presentation entitled '*Synthesis of 4-amino-1-(substituted phenyl)-1H-pyrazole-3,5 dicarbonitrile by using sodium benzoate*' in *State and University level Research Convention Avishkar-2016* during 12th-13th January 2017 at North Maharashtra University, Jalgaon.

12. **Oral** presentation entitled '*An eco-friendly protocol for synthesis of aminopyrazole from substituted Anilines*' *International conferences on Innovation in Biological and Chemical Science. (ICIBCS-2017)* during 21th-22th December 2017 at Dhanaji Nana Mahavidyalaya, Faizpur.
13. **Poster** presentation entitled '*Synthesis of (thiazol-2-yl)diazanyl derivatives from 2-amino thiazole and their solvatochromism study*' in National seminar on Recent Emergence in Science and Technology, during 11th-12th February 2019 at Seva Sadan Mahavidyalaya, Burhanpur.
14. **Attended** one day workshop on '*ICT Tools used in teaching and learning*' on 8th-9th March 2019, organized by Department of Computer Sciences, M. J. College, Jalgaon.
15. **Oral** presentation entitled '*Synthesis of 14-aryl-14H-dibenzo (a,j) xanthene using citric acid*' in National level Technical PHONEX-19, on 26th March 2019 at Godavari College of Engineering, Jalgaon.
16. **Poster** presentation entitled "*Solvatochromism study of (thiazol-2-yl)diazanyl derivatives synthesized from 2-amino thiazole*" in National Conference on *Changing Paradigms in Chemical Sciences (CPCS-2019)*, on 27th September 2019 at P.O. Nahata College, Bhusawal.
17. **Oral Presentation** entitled "*An Expeditious and facile Synthesis of Isoxazole Derivatives in Deep Eutectic Solvent*" in National Conference on Recent Trends in Biosciences and Environmental Science (RTBES-2020), on 16-17th January 2020 at M. J. College Jalgaon,
18. **Participated** in syllabus restructuring *workshop for S. Y. B. Sc. and M.Sc. Part-II* (Autonomous) at Moolji Jaitha College, Jalgaon on 12th March 2020.
19. **Participated** in One week National *Faculty Development Programme and online training on LaTeX*, organized by Sanjay Ghodawat University, Kolhapur on 27th April - 2nd May 2020.
20. **Participated** in *Faculty Development Programme on 'MOODLE Learning Management System'* organized by V. P. Institute of Management Studies and Research, Sangli in association with Spoken- Tutorial IIT Bombay, on 12th May – 17th May 2020.

GEST LECTURE

- ❖ Delivered a Guest lecture to Post graduate students of P. G. C. S. T. R. College, Jalgaon. On topic *Mass Spectroscopy*.
- ❖ Delivered a *Guest Lecturer* on FTIR in “**Advance Instrumentation Training Course**”, Organized by AITC, M. J. College Jalgaon.

ORGANIZING WORKSHOPS / ACADAMIC PROGRAME

- ❖ **Coordinator** : “Advance Instrument Training Programme” organized by Department of Chemistry, M. J. College, Jalgaon, held on 2014.
- ❖ **Coordinator** : “University Level PowerPoint Presentation Competition” organized by Department of Chemistry, M. J. College, Jalgaon, held on 2015.
- ❖ **Associate Coordinator** : Guest Lecture on “Biodegradable Polymer”, Speaker: Dr. B. B. Idage, Former Scientist, NCL Pune, held on 15th January 2020.
- ❖ **Committee member**: “Training and Safety in Chemical, Clinical and Industrial Laboratories – 2020” organized by School of Chemical Sciences, Moolji Jaitha College, Jalgaon, held on 11th January, 2020.

RESPONSIBILITIES SHOULDERED/ EXTRA-CURRICULAR ACTIVITIES

- ❖ Worked as *Senior Supervisor* for MTS Examination.
- ❖ Worked as *Demonstrator* on FTIR instrument in National Conferences AMBI-2015.
- ❖ Worked as *Academic Counsellor* of PGDAC Programme.
- ❖ Worked as *Judge* for Quiz session in “**MASTRO 2018**”, organized by K. C. E. Society’s M. J. College , Jalgaon.
- ❖ Worked as Committee member in NAAC criteria VII.
- ❖ Worked as **Coordinator** of Consultancy Services on FT-IR Instrument from 2012 in M. J. College, Jalgaon.

SKILLS

- ❖ Handled the FT-IR instrument skillfully and also coordinate consultancy service to various colleges.
- ❖ Used ICT based tools like power point presentations, Chemdraw software, and Interactive board, audio- visual presentation.
- ❖ By using attractive tools in teaching learning incultate interest in students during learning.
- ❖ Create account on Moodle Cloud and used them.
- ❖ Use MINI TAB software for statistical analysis.

CONTACT DETAILS

Dr. JAYASHRI DINKAR BHIRUD

Address: School of Chemical Science,

KCE'S Moolji Jaitha College, Jalgaon

Dist: Jalgaon 425 001(Maharashtra)

Email Id- ingale.jayashri@rediffmail.com

Mob- 9420787219, 8623869053