Biodata

Dr. V. G. Kalalawe
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Objective:

To achieve excellence in "**Chemical Science.**"

Educational Qualification:

- **Ph.D.** (Chemistry) : **June 2019.**
  Topic of research : "A study of room temperature ionic liquids and their uses in the synthesis of heterocyclic compounds"
  Research Supervisor : Prof. D. R. Munde
  Research **Publications** : **16** Research **Presentations: 05**

- **NET** CSIR (JRF) : 21 June 2009
- **GATE** : 10 Feb 2009
- **SET** : 21 January 2009

- **M.Sc**
  (Organic Chemistry) : Jun 2008
  Institute : School of Chemical Sciences.
  University : S.R.T.M. University Nanded
  Class : First Class with distinction (**7.78 CGPA**)

- **B.Sc** (Chemistry) : Jun 2006
  Institute : N.E.S. Science College, Nanded, Maharashtra.
  University : S.R.T.M. University Nanded
  Class : First Class with distinction (**69.89 %**)

Teaching Experience:

• Total Teaching experience: 14 years.

Technical/ Analytical Knowledge:

- Interpretation of IR, NMR, Mass Spectras.
- Handling of analytical Instruments such as, Gas Chromatography, Soxhlet

apparatus, GCMS, IR, UV spectrometer, MP apparatus etc.

Computer Proficiency:

- MS-Office
- Application Packages : Chem draw, ISIS draw

Faculty Development Programmes:

- **Orientation Course** organized by UGC-HRDC, Punjabi University Patiala Duration: 4 weeks [from 11/02/2013 to 09/03/2013].
- **Refresher Course in Environmental Science** organized by UGC-HRDC, Kumaun University, Nainital, Duration: 3 weeks [from 19/11/2014 to 09/12/2014].
- **Orientation Course** organized by ETI, Ahemadnagar College Ahemadnagar, Duration: 1 weeks [from 22/07/2015 to 28/07/2015].
- **Refresher Course in Human Rights** organized by UGC-HRDC, Guru Nanak Dev University, Amritsar, Duration: 2 weeks [from 06/02/2020 to 19/02/2020].
- **Faculty Development Programme** organized by BPM INFOSYS Pune, [from 20/08/2020 to 28/08/2020]
- **Orientation programme** organized by Ramanujan College, Delhi, sponsored by PMMMTT under MHRD, Govt. of India. Duration 21 days (4th June 2020 to 1st July 2020).
- **Short Term Course in Yoga & Wellness,** organized by UGC-HRDC, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Duration 6 days (17/07/2023 to 22/07/2023).

Conferences:

Title of seminar/ conference/ symposium	Name of Institute	Duration	Role Participated
National conference on recent trends and innovations in research fields of science, humanities and languages.	Willingdon College, Sangli	13 Feb.2019	Oral Presentation
International Conference on Advances in Chemical Biology & Biologics	CSIR-Indian Institute Of Chemical Technology, Hyderabad	28 Feb- 2 Mar. 2019	Poster Presentation

International Symposium Exploring New Horizons in chemical sciences-2019	Department of chemistry, Deogiri College Aurangabad	10-12 January 2019	Poster Presentation
National Conference on Modern Perspective in Chemical Science & Research	Shri Shivaji College Parbhani,	30 January 2018	Paper Presentation
National Conference on "Frontiers In Chemical Sciences",	Shri Vyankatesh Arts, Science & Commerce College, Deulgaon Raja	23 December 2017.	Paper Presentation

Research Publications:

1. Scrutiny of Novel Tosylacrylimidamide as Non-ClassicalBioisosteres of Sulfonylurea in Type II Diabetes Mellitusthrough Synthesis, In Vitro and Docking Studies: **Chemistry Select, 7(9), March 2022**: Santosh K. Surve,[a] Rutikesh Gurav,[a] Akshay Gurav,[a] Pradeep Lasonkar,[c] Jeevan Kondre,[c]**Veerabhadra Kalalawe**,[c] Sunita S. Gawali,[b] and ShankarHangirgekar*[a]

2. Synthesis and Characterization of Urethane Side Chain Substituted Diketopyrrolopyrrole: **Journal of Scientific Research, 13(2), April 2021**, M. V. Kanetkar1, J. Aher2, G. K. Kakde3, A. Puyad4, **V. G. Kalalawe1**, S. Dharmapurikar2,5∗

3. Significance of secondary forces toward improving the charge carrier mobility of Isoindigo based conjugated small molecules: **Chemistry Physics Letter, 774:138621, April 2021**: Satej S. Dharmapurikar [a,b,*] , Arulraj Arul Kashmir [c] , Tanya Kumari [d] , **Virbhadra Kalalawe [e]** , Maruti Kanetkar [e] , Mrinmoy Kumar Chini [f,*]

4. Povidone-Phosphotungstic Acid Hybrid: An Efficient andEnvironmentally Benign Catalyst for the Synthesis of Quinazolinone Derivatives: **Macromolecular Symposia, 392(1), August 2020**, Raju Kagne, **Virbhadra Kalalawe**, Sandeep Niwadange, Shreyash Mahurkar,and DashrathMunde*

5. Sulfated Tin Oxide: An Immensely Potent and Reusable Catalyst for the Synthesis of Benzimidazole Derivatives: **Macromolecular Symposia, 387 (1) 1800238, October 2019;** Raju Kagne, Sandeep Niwadange, **Virbhadra Kalalawe**, Raoji Gutte, and Dashrath Munde*

6. Synthesis of Bioactive 1,4-DHPs Using Sulfated Tin Oxide as an Efficient Solid Superacid Catalyst: **Macromolecular Symposia, 400(2100056) 1-5, December 2021,** Raju Kagne, Sandeep Niwadange, **Virbhadra Kalalawe**, Gopinath Khansole, and Dashrath Munde*

7. Endothermic solvent extraction of copper (ii) withfurfuryl thioalcohol from sulfate medium: **Metallurgical and Materials Engineering 28(2):403-417** : Umrao Shep[1], Jivan Kondre[1], Pratap Shep[2], Balasaheb Arbad[2], **Virbhadra Kalalawe[1*]**

8. Green and Efficient Synthesis of Xanthene Derivatives using 1-Butyl-3-methylimidazolium Bromide under Solvent Free Condition, **Virbhadra G. Kalalawe**, Dashrath R. Munde, Raju P. Kagne3, Sandeep N. Niwadange4 and Raoji D. Gutte. **Asian Journal of organic and medicinal chemistry,2018, 3,3, 95-97.**

9. Synthesis of Acridine Derivatives Using Ionic Liquid as Promoter **V. G.Kalalawe**, D. R.Munde, R. P.Kagne, S.N.Niwadange, R. D.Gutte, IJGHC, 2018; Sec. A; Vol.7, No.2, 188-193.

10. Simple and Efficient one Pot Synthesis of 3,4-Dihydropyrimidin-2(1H)-Ones and Thiones By Using A Mixture of Ionic Liquid And Graphene Oxide Nanoparticles at Reflux Condition. **Virbhadra G. Kalalawe**, Dashrath R. Munde, Raju kagne, Raoji Gutte, and S.R.Pingalkar, International Journal of Universal Science and Technology, 2018, Volume No. 03, Issue No. 07, Page No. 332-338.

11. A Green, Efficient Protocol for Synthesis of a 3-Pyranyl Indole Derivatives by Using Ionic Liquid Under Reflux Condition. **Virbhadra Kalalawe**, Raju Kagne and Dasharath Munde, International Journal of Innovative Science, Engineering & Technology, 2016, Vol. 3 Issue 11, 243.

12. An efficient synthesis of Benzimidazole derivatives by using Metaltriflate catalyst in an aqueous media

13. Raju Kagne,**Virbhadra Kalalawe** and Dashrath Munde. International Journal of ChemTech Research**,** 2017,10(6): 1145-1149.

14. An Efficient Protocol for Synthesis of 1,4-dihydropyridine Derivatives by Using Graphene Oxide Nano Particles as a Catalyst Raju P. Kagne, Gurunath H. Nikam, **Virbhadra G. Kalalawe**, Sandeep N. Niwadange and Dashrath R. Munde. Journal of Chemistry and Chemical Sciences, Vol.7(11), 1064-1070, November 2017.

15. A Novel Assent for Synthesis of Pyrazoline Derivatives by adopting Graphene Oxide Nanosheets as carbocatalyst at reflux condition D.R. Munde, R. P. Kagne, **V.G. Kalalawe** , S.J. Manegawade S.N. Niwadange. IJGHC, June 2018 – August 2018; Sec. A; Vol.7, No.3, 469-476.

16. Ionic liquid 1-butyl-3-methylimidazolium Bromide as a Green and Neutral Reaction Media for Catalyst Free Synthesis of 2-aminochromene Derivatives. **Virbhadra G.**

Kalalawe, Dashrath R. Munde, Raju P. Kagne and Sandeep N. Niwadange. Journal of Chemistry and Chemical Sciences,2017, Vol.7(11), 942-946.

Books:

- **Mossbauer, ESR, 1HNMR Spectroscopy.**
  ISBN: 978-819-5-51368-0
  Publication: Advent Academic Publishing,
  AP International Publishing House.
- **A Textbook of Inorganic Chemistry.**
  ISBN: 978-819-5-51366-6
  Publication: Advent Academic Publishing,
  AP International Publishing House.
- **A Textbook of Inorganic Chemistry.**
  ISBN: 978-819-5-51367-3
  Publication: Advent Academic Publishing,
  AP International Publishing House.
- **Oxidizing Agents in Organic Chemistry.**
  ISBN: 978-620-2-81588-8
  Publication: Lambert Academic Publishing,
  International Book market Service LTD.
- **Ionic Liquids & Heterocyclic Chemistry.**
  ISBN: 978-620-0-21516-1
  Publication: Lambert Academic Publishing,
  International Book market Service LTD.

Awards and achievements:

NA

Declaration

I hereby declare that the all above given information is true to the best of my knowledge.

(Dr. V. G. Kalalawe)