



- 1. Name of Faculty: Dr. Sivanageswara Rao Dodla**
- 2. Date of Joining: 29/05/2023**
- 3. Designation: Assistant Professor in Chemistry**
- 4. Qualification: Ph.D, M. Sc., M. A (Public Administration), M. A (Political Science), B. Ed**
- 5. Type of Appointment (Regular/Contract/Adjunct): Contract**
- 6. Degree/Diploma: Degree**
- 7. Email Id: sivanageswararao.dodla@walchandsangli.ac.in, dodlasnr@gmail.com**
- 8. Contact Number: +91-8209598517, 9492931985**
- 9. GoogleScholar: <https://scholar.google.co.in/citations?user=QAIo8aEAAAAJ&hl=en&oi=ao>**
- 10. Research Gate: <https://www.researchgate.net/profile/Dodla-Sivanageswara-Rao>**
- 11. Web of Science: <https://www.webofscience.com/wos/author/record/2217500>**
- 12. Scopus Author ID: <https://www.scopus.com/authid/detail.uri?authorId=56577150100>**
- 13. Vidwan ID: 572637**
- 14. Research Area: Synthetic Organic Chemistry, Bio-Organic Chemistry, Carbohydrate Chemistry, Medicinal Chemistry, Heterocyclic Chemistry, Green Chemistry and Environmental Science.**

15. Number of Publications:8

Conference		Journal	
National	International	National	International
6	12	--	9

16. Sponsored Projects:

Sr. No.	Name of Project	Sponsoring Agency	Grant	Status (Ongoing/Completed)
	---	---	---	----

1. **Bio Sketch:** Dr. Sivanageswara Rao Dodla working as Assistant Professor Chemistry the Department of Humanities and Science at Walchand College of Engineering, Sangli. He joined WCE at 2023. He received B.Sc. (Biology and Chemistry) in 2010 from Acharya Nagarjuna University, Guntur and M.Sc. (Organic Chemistry) in 2013 from Andhra University, Visakhapatnam. He received B.Ed. (Biology and English) in 2014 from Acharya Nagarjuna University Guntur. He holds an M.A. in Political Science (2012) from Acharya Nagarjuna University, and an M.A. in Public Administration (2014) from Andhra University. He has awarded Ph.D. in 2020 from Malaviya National Institute of Technology (MNIT) Jaipur and Rajasthan.

He has Post-Doctoral Fellow (Senior Project Associate) research experience at CSIR-Central Drug Research Institute (CSIR-CDRI), Lucknow, Utter Pradesh and one more Maire-Tecnimont Post-Doctoral Fellow (MTE-PDF), research experience from National Institute of Technology Karnataka (NITK), Surathkal and Karnataka. His research interests

are in Synthetic Organic Chemistry, Bio-Organic Chemistry, Carbohydrate Chemistry, Medicinal Chemistry, Green Chemistry and Environmental Science. In this direction, he has discovered “A Novel Sulfonium Iodate reagent $[\text{Me}_3\text{SI}(\text{OAc})_2]$ system” and investigated its potential for the stereo and regioselective vicinal functionalization of multiple bonds, serving excellent chemical tools in cohalogenation and azidation.

List of Publication Publications:

1. Evaluating an Ensemble Machine Learning Based Diabetic Medical Illness Analytics Platform for E-Healthcare, **Dodla S. Rao**, Mudra Narasimharao, Bashir N. Jamadar, Anil A. Powar, Balasaheb. B. Vhankhande, 2025, International Conference on Communication, Image Processing and Computing, (ICCIPC), Jointly Organized by Department of Electronics Engineering, Information Technology and Computer Science & Engineering, Walchand College of Engineering, Sangli, on 10-11 March 2025, Published in Journal of Harbin Engineering University, ISSN: 1006-7043, Vol 46 No. 5, May 2025
2. KMnO_4 -catalyzed chemoselective deprotection of acetate and controllable deacetylation-oxidation in one pot, G. Aakanksha, K. Manoj, **Dodla. S. Rao**, and S. Kashyap, *New J. Chem.*, 2020, 44, 16702-16707. (IF-3.28)
3. Photoswitchable regio-divergent azidation of olefins with sulfonium iodate(I) reagent, **Dodla S. Rao**, Thurpu R. Reddy, G. Aakansha, M. Kumar and S. Kashyap, *Org. Lett.*, 2019, 21, 9990-9994. (IF-6.09)
4. Visible-light activated metal catalyst-free vicinal diazidation of olefins with sulfonium iodate(I) species, Thurpu R. Reddy[‡], **Dodla S. Rao**[‡] and S. Kashyap. *Chem Commun.*, 2019, 55, 2833-2836. ([‡]Co-first author). (IF-6.22)
5. Chemoselective and stereospecific iodination of alkynes using sulfonium iodate(I) salt, **Dodla S. Rao**, Thurpu R. Reddy and S. Kashyap *Org. Biomol. Chem.*, 2018, 16, 1508-1518. (IF-3.41)
6. Regioselective vicinal functionalization of unactivated alkenes with sulfonium iodate(I) reagents under metal-free conditions, **Dodla S. Rao**, Thurpu R. Reddy, K. B. Chary and S. Kashyap, *Org. Biomol. Chem.*, 2016, 14, 7529-7543. (IF-3.41)
7. Regioselective direct difunctionalization of glycals: convenient Access to deoxyglyco

conjugates mediated by tetra-*n*-butylammonium iodide/sodium periodide, G. Kundoor, **Dodla S. Rao** and S. Kashyap, *Asian J. Org. Chem.*, 2016, 5, 264-270. (IF-3.31)

8. Sulfonium salt of iodine (I) species as efficient reagent for the regioselectivebisfunctionalization of glycals and enol ethers, Thurpu R. Reddy, **Dodla S. Rao** and S. Kashyap. *Eur. J. Org. Chem.*, 2016, 291-301. (IF-3.02)
9. A mild and efficient Zn catalyzed C-glycosylation: synthesis of C (2)-C (3) unsaturated C-linked glycopyranosides, Thurpu R. Reddy, **Dodla S. Rao** and S. Kashyap, *RSC Adv.*, 2015, 5, 28338-28343. (IF-3.36).