


CURRICULUM VITAE

1. Name	Dr. Rafik U. Shaikh			
2. Designation	Assistant Professor			
3. Office Address	Department of Botany, AKI's Poona College of Arts, Science and Commerce, Camp, Pune. E-mail: rafikbot@gmail.com rafik.shaikh@poonacollege.edu.in			
4. Date of Birth	29/06/1984			
5. Academic Qualification				
	Degree	Year	Institution/ Board	Country
	Ph.D.	2012	S.R.T.M.University Nanded, MS.	India
	M.Sc.	2007	S.R.T.M.University Nanded, MS.	India
	B.Sc.	2005	S.R.T.M.University Nanded, MS.	India
6. Teaching Experience				
	Duration	Position Held	Organization	
	2007 to 2008	Lecturer	Shivaji Mahavidhyalaya, Udgir. Dist. Latur (MS), India.	
	2013 to till date	Assistant Professor	AKI's Poona College of Arts, Science and Commerce, Camp, Pune	
7. Ph.D. Topic	Evaluation of Cyclooxygenase inhibitory potential of selected medicinal plants.			
8. Area of Interest	Angiosperms Taxonomy, Ethanopharmacology, Pharmacognosy, Genetic Engineering, Pharmaceutical Biotechnology, Microbiology, Plant Biotechnology, Industrial & Clinical Enzymology.			
9. Courses Taught	F.Y.B.SC. – i) Plant Morphology and Anatomy ii) Principles of Plant Science			

	<p>S.Y.B.SC. – i) Taxonomy of Angiosperms and Ecology ii) Plant Anatomy and Embryology</p> <p>T.Y.B.SC.- i) Spermatophyta and Paleobotany ii) Plant physiology and Biochemistry</p>
<p>10. Other Innovative Activities</p>	<ul style="list-style-type: none"> • Publishe Indian Patent on “Development of Murcury Ion detection sensor using field effect trnsistor in waste water” in 2021. • Participated in Orientation and Refresher programmes at Jawahar lal Nehru University, N. Delhi and University of Rajasthan, Jaipur respectively • Outstanding Reviewer, recognition by Journal of Traditional and Complementary Medicine, Elsevier, Netherland in 2018. • Young Scientist Award, International Research and Developed Organisation, India in 2019.
<p>11. Membership of Learned Societies and Administrative Bodies;</p>	
	<ul style="list-style-type: none"> • Fellow of International Association of Science Impact (India) • Member of International Society for Research and Development (London, UK) • Member of International Natural Product Science Taskforce (Poland) • Working as reviewer for several International Journals as, [Journal of Traditional & Complementary Medicine (Elsevier, Taiwan); Journal of Integrative Medicine (Elsevier, China); Journal of Enzyme Inhibition and Medicinal Chemistry (Taylor & Francis, UK); Pharmaceutical Biology (Taylor & Francis, UK); Phytotherapy Research (Wiley, USA); Journal of Herbal Medicine (Elsevier, Netherlands); Current Drug Delivery (Benthum Science, UAE); Indian Journal of Traditional Knowledge (CSIR, India); Journal of Experimental Biology (CSIR, India); Journal of Medicinal Plant Research (Academic Journals, Nigeria); Journal of Plant Pathology and Microbiology (OMICS International, USA); Journal of Pharmacognosy and Natural Products (OMICS International, USA); SciTechnology (OMICS International, USA); Journal of Neuroinfectious Diseases (OMICS International, USA); Journal of Tropical Diseases and Public Health (OMICS International,

	USA); Archives of Surgical Oncology (OMICS, International USA); African Journal of Traditional, Complementary and Alternative Medicine (Nigeria)]
12. Abroad Visits	
Nil	
13. Publication Details	
a) Name of the Journals/ Books in which papers are published	
	<ol style="list-style-type: none"> 1. S.M. Muley, L.R. Rathod, A.S. Jadhav, R.P. Biradar, R.U. Shaikh. Utilization of antagonist against seed born fungi. <i>Bionano Frontier</i>. 2009; 2(1):61-64. 2. R.N. Gacche, R.U. Shaikh, S.L. Pulkantwar, A.D. Jadhav. Profile of Monoamine Oxidase Activity Levels in Alcohol and Tobacco Addicted Humans. <i>Indian Journal of Pharmacy Practice</i>. 2010; 3 (3): 29-32. 3. R.N. Gacche, R.U. Shaikh, M.M. Pund, R. Deshmukh. Cyclooxygenase Inhibitory, Cytotoxicity and Free Radical Scavenging Activities of Selected Medicinal Plants Used in Indian Traditional Medicine. <i>Pharmacognosy Journal</i>. 2011; 3(19): 57-64. (IF=0.82) 4. R.N. Gacche, R.U. Shaikh, S.M. Chapole, A.D. Jadhav, S.G. Jadhav. Kinetics of inhibition of Monoamine Oxidase using <i>Cymbopogon martini</i> (Roxb.) Wats.: A potential antidepressant herbal ingredient with antioxidant activity. <i>Indian Journal of Clinical Biochemistry</i>. 2011, 26(3):303–308. (IF=1.14) 5. R.N. Gacche, R.U. Shaikh, M.M. Pund. <i>In-vitro</i> evaluation of anticancer and antimicrobial activity of selected medicinal plants from Ayurveda. <i>Asian Journal of Traditional Medicine</i>. 2011, 6 (3): 1-7. 6. P.P. Sarwade, R.U. Shaikh, S.S. Chandanshive, U.N. Bhale. Association of AM fungi in important Pteridophytic plants of Maharashtra, India. <i>International Multidisciplinary Research Journal</i>. 2012, 2(4): 08-09 7. B.P. Bandgar, L.K. Adsul, H.V. Chavan, S.S. Jalde, S.N. Shringare, R.U. Shaikh, R.J. Meshram, R.N. Gacche, V. Masand. Synthesis, biological evaluation, and docking studies of 3-(substituted)-aryl-5-(9-methyl-3-carbazole)-1H-2-pyrazolines as potent anti-inflammatory and antioxidant agents. <i>Bioorganic and Medicinal Chemistry Letters</i>. 2012, 22 (18): 5839-5844. (IF=2.57) 8. Bandgar B.P, Chavan H.V., Adsul L.K., Thakare V.N., Shringare S.N., Shaikh R.U., Gacche

- R.N. Design, synthesis, characterization and biological evaluation of novel pyrazole integrated benzophenones. *Bioorganic and Medicinal Chemistry Letters*. 2013, 23(1): 912-916. (IF=2.57)
9. Abu Taleb Ahmed Yehia, Fahad A.M. Alzowahi, Tukaram A. Kadam, Rafik U. Shaikh. *In vitro* evaluation of antimicrobial and antioxidant activity of Dragon's blood tree (*Dracaena cinnabari* Balf.f.) of Socotra Island (Yemen). *Journal of Coastal Life Medicine* 2013, 1(2): 111-117.
10. Jahav S.Y., Bhoale R.B., Shirame S.P., Sonawane V.D., Hublikar M.G., Sonwane K.D., Shaikh R.U. Synthesis and biological evaluation of fluoro-hydroxy substituted pyrazole chalcones as anti-inflammatory, antioxidant and antibacterial agents. *International Journal of Pharma and Biosciences*. 2013, 4(2): 390-397.
11. Bandgar B.P., Kinkar S.N., Chavan H.V., Jalde S.S., Shaikh R.U., Gacche R.N. Synthesis and biological evaluation of asymmetric indole curcumin analogues as potential anti-inflammatory and antioxidant agents. *Journal of Enzyme Inhibition and Medicinal Chemistry*. 2014, 29(1): 7-11. (IF=4.31)
12. Tekale S.U., Kauthale S.S., Shaikh R.U., Marathe R.P., Nawale R.B., Pawar R.B. Aluminium nitride catalyzed solvent free synthesis of some novel biologically active α -amino phosphates. *Journal of Iranian Chemical Society*. 2014, 11: 717-724. (IF=1.55)
13. R.U. Shaikh, M.M. Pund, A.A. Dawane, I.U. Sayyed. Evaluation of Anticancer, Antioxidant and Possible Anti-inflammatory Properties of Some Selected Medicinal Plants Used in Indian Traditional Medication. *Journal of Traditional and Complementary Medicine*. 2014, 4(4): 253-257. (IF=3.08)
14. R. U. Shaikh, D. D. Dukare, K. P. Sarwade, P. P. Sarwade. Ethnobotanical Study of Folk Medicinal Plants used by Villagers in Nanded District of Maharashtra (India). *International Journal of Ayurvedic and Herbal Medicine*. 2014, 4(5): 1585-1595.
15. R.U. Shaikh, A.A. Dawane, R.P. Pawar, D.S. Gond, R.J. Meshram. Inhibition of *Helicobacter pylori* and its associate urease by labdane diterpenoids isolated from *Andrographis paniculata*. *Phytotherapy Research*. 2015, 30(3): 412-417. (IF=4.08)
16. R.U. Shaikh, M.M. Pund, R.N. Gacche. Evaluation of anti-inflammatory activity of selected medicinal plants used in Indian traditional medication system *in vitro* as well as *in vivo*. *Journal of Traditional and Complementary Medicine*. 2016, 6(4): 355-361. (IF=3.08)

17. Salman Mukarram, B.P. Bandgar, R.U. Shaikh, S.D. Ganapure, H.V. Chavan. Synthesis of novel α,α -difluoro- β -hydroxycarbonyl pyrazole derivatives as antioxidant, anti-inflammatory and anticancer agents. *Medicinal Chemistry Research*. 2017, 26 (1): 262- 273. (IF=1.78)
18. S. M. Shaikh, R. U. Shaikh, A. B. Ade. Protein Profiling of *Thiobacillus ferrooxidans* and *Pseudomonas fluorescens* Mutants during Metal Extraction. *Journal of Scientific Research*, 2018, 10 (1): 61-66.
19. R.U. Shaikh, R.J. Meshram, R.N. Gacche. An investigation on in vitro anti-inflammatory and antiproliferative potential of isolated Labdane diterpenoids from *Andrographis paniculata* (Burm. f.) wall. Ex nees: An important medicinal plant prescribed in Ayurveda. *European Journal of Integrative Medicine*, 2019, 32: 100983. (IF=0.97)
20. P. Pathare, S. Tekale, R. Shaikh, M. Damale, J. Sangshetti, D. Rajani, R. Pawar. Pyridine and Benzoisothiazole Decorated Vanillin Chalcones: Synthesis, Antimicrobial, Antioxidant, Molecular docking study and ADMET Properties. *Current Organic Synthesis*, 2020, DOI: 10.2174/1570179417666200407130122. (IF=1.98)
21. P. Pathare, S. Tekale, M. Damale, J. Sangshetti, R. Shaikh, L. Kotai, R. Pawar. Pyridine and benzoisothiazole based pyrazolines: synthesis, characterization, biological activity, molecular docking and ADMET study. *European Chemical Bulletin*, 2020, 9(1): 10-21.

b) Papers published in Conferences / Seminars

1. Rafik U. Shaikh, Rajesh N. Gacche, Mahesh M. Pund, Ashwini A. Dawane. Profile of anti-inflammatory and antioxidant activity of selected medicinal plants used in Indian folklore medication. Proceedings of national conference on “Recent trends and future prospects in Life Sciences”. 2013, 104-112.

c) Papers presented in Conferences / Seminars

- Presented poster in National conference on New Horizons in Biotechnology held at Swami Vivekanand Mahavidhyalaya, Udgir on 08-09/02/2008.
- Presented poster in Avishkar-Research Festival held at Katruwar Arts, R. Kabra Science and B.R. Mantri Commerce College, Manwat on 07-08/01/2011.
- Presented poster in National conference on Recent Trends and Future Prospects in Life Sciences held at Mahatma Gandhi Mahavidhyalaya, Ahmedpur on 27-28/12/2012.

- Presented paper in National conference on Advances in Organic Chemistry held at Poona College, Pune on 05-06/02/2016.
- Presented paper in National conference on Conservation of Biodiversity held at Abeda Inamdar College, Pune on 17-18/02/2017.
- Presented poster in National conference on Emerging Trends in Chemical Sciences held at Poona College, Pune on 09-10/02/2018,
- Presented paper in National conference on Recent Trends in Life Sciences held at Poona College, Pune on 04-05/01/2019.
- Presented paper in International conference in Indian Plant Science Congress held at SRM University, Tamilnadu on 23-25/01/2019.
- Presented paper in International Symposium on Plant Taxonomy and Ethnobotany held at Botanical Survey of India, Kolkata on 13-14/02/2020.

14. Participation in National/International One Week duration Workshops

- Participated in One week Faculty Development Programme on Digital Tools for 21st Century: Word Processing and Spreadsheets held at Guru Angad Dev Teaching Learning Center, S.G.T.B. Khalsa College, University of Delhi on 27th Jan – 02nd Feb., 2021.
- Participated in One week Faculty Development Programme on Academic Report Writing and Research Methodology held at Guru Angad Dev Teaching Learning Center, S.G.T.B. Khalsa College, University of Delhi on 04th March – 10th March, 2021.

15. Participation in Conferences / Seminars / Workshops;

- National conference on Changing Role of Plant Sciences in Biotechnology and Bioprospecting held at N.E.S. Science College, Nanded on 20-21/09/2008.
- National workshop on Assessment of Mycorrhizal Biodiversity held at School of Life Sciences, S.R.T.M.University, Nanded on 24-25/09/2009.
- National conference on Plant Biology and Biotechnology held at Lal Bahadur Shastri Mahavidhyalaya, Dharmabad on 21-22/11/2009.
- National conference on Biotechnology for Better Tomorrow held at Shri Shivaji College, Akola on 06-07/02/2010.
- National workshop on Advances in Computer Aided Drug Designing held at School of Life Sciences, S.R.T.M.University, Nanded on 18/02/2010.

- National workshop on Quantitative Techniques in Biodiversity Assessment held at School of Life Sciences, S.R.T.M.University, Nanded on 26-27/02/2010.
- International conference on Evolution of Plants from tropical to high mountain ecosystem: Focus to Asia held at Department of Botany, Dr. B.A.M. University, Aurangabad on 02-04/09/2010.
- Avishkar- “Invent-Inculcate-Define” held at Shivaji University, Kolhapur on 13-15/01/2012.
- National conference on Drug Discovery from Plants: Promises and Challenges held at School of Life Sciences, S.R.T.M.University, Nanded on 14-15/02/2012.
- National workshop on Interdisciplinary Nanoscience held at S.R.T.M.University, Nanded on 26/02/2012.
- National workshop on Techniques in isolation and analysis of phytochemicals held at Indira Gandhi College, Nanded on 28/08/2014.
- National workshop on New Methodology and Need for Good Documentation in the Accreditation Process (NAAC) held at Poona College, Pune on 30/09/2014.
- National workshop on Techniques in Molecular Phylogenetic Analysis held at Department of Botany, S.P. Pune University, Pune on 05-08/01/2016.
- National workshop on Developing –e-Content held at Poona College, Pune on 20/01/2016.
- National conference on Enhancing Quality in Teaching Learning Process held at Poona College, Pune on 09/08/2017.
- National workshop on Assessment and Accreditation Methodology: Revised NAAC Guidelines held at Poona College, Pune on 16/01/2018.
- National workshop on Taxonomy of Angiosperms held at Department of Botany, S.P. Pune University, Pune on 30/01/2018.
- National workshop on Understanding Plagiarism for Academic Integrity held at Poona College, Pune on 29/03/2018.
- National workshop on Science Communication for Public held at S.P. Pune University, Pune on 31/08/2019.
- National workshop on Preparation for NAAC Accreditation as per the latest Guidelines held at Poona College, Pune on 07/01/2020.

16. Contributions to Corporate Life
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Nil

17. Supervising the Ph.D. Candidates:
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| <ul style="list-style-type: none">• Recognized as Ph.D. and M.Phil. Guide in the subject Botany of Savitribai Phule Pune University, Pune. |
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(Dr. Rafik U. Shaikh)