



Faculty CV Template

[Richie R. Bhandare Ph.D.]

Academic Rank

Assistant Professor

Qualifications

- Ph.D
- M.Pharm
- B.Pharm

Research field(s)

- Design and synthesis of chalcones with antimicrobial and antiproliferative activities.
- Design and synthesis of subtype selective muscarinic and serotonergic ligands.
- Optimization of microwave assisted organic reactions.

Publications *(Last five years)*

* indicates co-corresponding author

- Kasetti, Ashok B, Singhvi Indrajeet, Nagasuri Ravindra, Bhandare, **Richie R. Bhandare*** and Afzal Shaik. 2021. Thiazole–Chalcone Hybrids as Prospective Antitubercular and Antiproliferative Agents: Design, Synthesis, Biological, Molecular Docking Studies and In Silico ADME Evaluation. *Molecules*, 26, no. 10: 2847. 3188 (Impact Factor: 3.267, Scopus and Web of Science Indexed).
- Verma, Santosh Kumar, Rameshwari Verma, Kothanahally S. Sharath Kumar, Laxmi Banjare, Afzal Shaik, **Richie R. Bhandare**, Kadalipura P. Rakesh, and Kanchugarakoppal S. Rangappa. "A key review on oxadiazole analogs as potential methicillin-resistant Staphylococcus aureus (MRSA) activity: Structure-activity relationship studies." *European Journal of Medicinal Chemistry* 219 (2021): 113442. (Impact Factor: 5.572, Scopus and Web of Science Indexed).
- Konidala, Sathish Kumar, K. Vijay, Ravi Chandra Sekhara Reddy Danduga, Phani Kumar Kola, **Richie R. Bhandare***, and Afzal Shaik. Design, multistep synthesis and in-vitro antimicrobial and antioxidant screening of coumarin clubbed chalcone hybrids through molecular hybridization approach, *Arabian Journal of Chemistry* (2021): 103154. (Impact Factor: 4.762, Scopus and Web of Science Indexed).

- Munikrishnappa, Chandrashekar S., GV Suresh Kumar, **Richie R. Bhandare***, and Afzal Shaik. "Design, synthesis, and biological evaluation of novel bromo-pyrimidine analogues as tyrosine kinase inhibitors. *Arabian Journal of Chemistry* (2021): 103054. (Impact Factor: 4.762, Scopus and Web of Science Indexed).
- Afzal Shaik, **Richie Bhandare***, Srinath Nissankararao, BVS Lokesh, Mukhlesur Rahman. Synthesis, and biological screening of chloropyrazine conjugated benzothiazepines derivatives as a potential antimicrobial, antitubercular and cytotoxic agents, *Arabian Journal of Chemistry*, 2021(14), p.102915. (Impact Factor: 4.762, Scopus and Web of Science Indexed).
- Surendra babu Lagu, Rajendra Prasad Yejella, **Richie Bhandare***, Afzal Shaik. Design, synthesis and antibacterial and antifungal activities of novel trifluoromethyl and trifluoromethoxy substituted chalcone derivatives, *Pharmaceuticals* 2020, 13, 375. (Impact Factor: 4.286, Scopus and Web of Science Indexed).
- Afzal Shaik, **Richie Bhandare***, Srinath Nissankararao, Zehra Edis, N. Ravikiran Tangirala, Shaik Shahanaaz, Mukhlesur Rahman. Design, Facile Synthesis and Characterization of Dichloro Substituted Chalcones and Dihydropyrazole Derivatives for Their Antifungal, Antitubercular and Antiproliferative Activities. *Molecules*, 2020, 25, 3188 (Impact Factor: 3.267, Scopus and Web of Science Indexed).
- Afzal Shaik, **Richie Bhandare***, Kishor Palleepati, Srinath Nissankararao, Venkata Kancharlapalli, Shahanaaz Shaik. Antimicrobial, antioxidant and anticancer activities of some novel isoxazole ring containing chalcone and dihydropyrazole derivatives. *Molecules*, 2020, 25(5), 1047. (Impact Factor: 3.267, Scopus and Web of Science Indexed).
- Komal Padhariya, **Richie Bhandare***, Daniel Canney, Vinay Velingkar. Cardiovascular Concern of 5-HT_{2B} Receptor and Recent Vistas in the Development of Its Antagonists. *Cardiovascular & Hematological Disorders-Drug Targets*, 2017.
- Patel, H. D.; Shahwan, M.; Ashames, A.; Islam, M. W. and **Bhandare, R. R***. One pot microwave-assisted synthesis of 3-benzyl-5- hydroxymethyl-1,3-oxazolidin-2-one. [Journal of Pharmaceutical Sciences and Research](#), 2018, 10(11), 2814-2817.
- Akram Ashames, **Richie Bhandare**, Sham Zain AlAbdin, Tasnim Alhalabi, Farah Jassem. Public perception toward e-commerce of medicines and comparative quality assessment study of two drugs from community and illicit online pharmacies. *Journal of Pharmacy and Bioallied Sciences* (accepted 2019) .
- Ashames, A.; **Bhandare, R.**; Zain AlAbdin, S.; Aljashamy, A.; Atfeh, A.; Elwaer, A.; Fakhry, N. In vitro Comparative Quality Attributes of Selected Brands of Fexofenadine Hydrochloride Tablets Marketed in UAE and India. ICPAC Springer (Accepted Conference proceedings, 2019).
- Islam, M.W.; Bloukh, S. H.; Edis, Z.; **Bhandare, R. R.** Emerging Phytochemicals and Bioactive Compounds from a Desert Plant *Prosopis cineraria* (L.) Druce and Future Prospects. ICPAC Springer ([Accepted Book Chapter 2019](#)).
- **Richie Bhandare**, Vaishali Londhe, Akram Ashames, Nadeem Shaikh, Sham Zain Alabdin. Enhanced Solubility of Microwave-assisted Synthesized Acyclovir Co-crystals. *Research Journal of Pharmacy & Technology*. [Accepted](#) April 2020.
- May Reda, Akram Ashames, Zehra Edis, Samir Bloukh, **Richie Bhandare** and Hamed Abu Sara. Green Synthesis of Potent Antimicrobial Silver Nanoparticles Using Different Plant Extracts and Their Mixtures. [Processes](#) 2019, 7, 510; doi:10.3390/pr7080510

Courses Taught (*Last five years*)

- Medicinal & Pharmaceutical Chemistry I
- Medicinal & Pharmaceutical Chemistry II
- General Chemistry for Dentistry
- Chemistry for Engineers
- Radiopharmaceuticals

Professional Experience

- January 2017- till date; Assistant Professor, College of Pharmacy & Health Sciences, Ajman University, UAE.
- July 2013-September 2016, Assistant Professor, SPPSPTM, NMIMS University, India.

Committees Work

- College timetable coordinator March 2018 till date.
- Ad-hoc committee for promotions and college examination control, 2019 till date.
- Member, Accreditation and Assessment committee 2018-till date.
- Member, College Research Committee, March 2017-Feb 2018.

Honors and Awards

- Bentham Science Ambassador for the year 2020-2021.
- US No. 61/730,807, USPTO, Dec 2013.
- Best poster award at ICPAC 2014 conference, June 23-27, 2014.
- Rho Chi Inductee (Academic Excellence), Temple University School of Pharmacy, 15-03-12.
- Graduate Teaching Assistantship, Temple University School of Pharmacy, Sep 2006- Dec 2012.
- Non-Indian Council of Medical Research (ICMR) travel grant award of Rs. 83,550/- for International Conference on Pure and Applied Chemistry (ICPAC) 2014 conference, June 23-27, 2014.

Other Contributions and Achievements

- Sampath Chinnam, Kavita Khatana, Santosh Kumar Badampudi Krishna Murthy Potla, Nagaraju Kerru, Suresh Maddila, Afzal Basha Shaik, **Richie Rashmin Bhandare**, Divijendra Natha Reddy Sirigiri. In Silico evaluation and synthesis of novel sulfonamides as promising anti-viral lead



molecules docked against anti-COVID-19 protein targets: SARS-COV-2 main protease. Indian Provisional Patent Application No.202141019538 A, Patent published on 07-05-2021.

- Editorial board member for various journals.
- Invited peer reviewer for many journals.