

## **Dr.Tukaram Bharat Mhamane**

**E-mail:** [tukaramchem99@gmail.com](mailto:tukaramchem99@gmail.com)

**Mobile:** 07799848353

**Address:** At-Wadachiwadi Post-Hiware Tal-Mohol

**Dist-Solapur (Maharashtra) India. Pin-413324**



### **Objective:**

Skilled researcher and teacher looking to apply for a suitable position for a sustainable career.

### **Academic Qualifications:**

| <b>Qualification</b>     | <b>University / Board</b>                     | <b>Year of Passing</b> | <b>Marks (%)</b> | <b>Class</b> |
|--------------------------|-----------------------------------------------|------------------------|------------------|--------------|
| PhD (Chemical Sciences)  | AcSIR, Ghaziabad (UP)<br>CSIR-IICT, Hyderabad | April-<br>2022         | CGPA-<br>7.67    | Awarded      |
| CSIR-NET (JRF)           | CSIR, New Delhi                               | June-2012              | CSIR-JRF         | AIR-65       |
| M.Sc.(Organic Chemistry) | S.R.T.M. University,<br>Nanded                | July-2011              | 78.25            | Distinction  |
| B.Sc.(Chemistry)         | Solapur University,<br>Solapur                | May-2009               | 73.28%           | Distinction  |
| H.S.C.(PCM)              | MSBSHSE , Pune                                | June-2006              | 60.00%           | First        |

|        |                |           |        |             |
|--------|----------------|-----------|--------|-------------|
| S.S.C. | MSBSSHSE, Pune | June-2004 | 75.60% | Distinction |
| MS-CIT | MKCL           | Nov-2011  | 78%    | Distinction |

### **Teaching Experience:**

Working as an Assistant Professor at Baburao Patil College of Arts and Science, Angar (Since August-2019 to till date).

### **Research Area and Experience:**

**PhD Thesis Title:** “Design and Synthesis of Novel Glycopeptide and Glycolipopeptide based Vaccine Adjuvants”

**PhD Supervisor:** Prof. H. M. Sampath Kumar (Chief Scientist, OSPC Division, CSIR-IICT, Hyderabad).

**Research Institute:** CSIR-IICT, Hyderabad (07/01/2013 to 19/06/2019)

### **Industrial Project:**

Worked on industrial project with Sai Life Sciences at CSIR IICT, Hyderabad Collaboration for Fulcrum Therapeutics Cambridge Massachusetts (Jan-2017 to Apr-2017).

### **Awards and Achievements:**

- Secured First Rank (**Gold Medal**) at Master Degree (M.Sc. Organic Chemistry) From SRTMU, Nanded in 2011.
- Awarded “**Eklavya Scholarship**” at Master degree.
- Qualified **CSIR-NET (JRF)** with All India Rank 65 (June-2012).
- Awarded **CSIR-JRF** (Jan 2013 to Jan 2015) at CSIR-IICT, Hyderabad.
- Awarded **CSIR-SRF** (Jan 2015 to Jan 2018) at CSIR-IICT, Hyderabad.

### **Master Dissertation Work:**

Study of  $\text{CaCl}_2$  catalyzed multicomponent one pot synthesis of 3,4-dihydropyridin-(1*H*)-one by using Biginelli reaction conditions.

### **Seminars/Conferences/Symposium/Workshop Participated:**

- Participated in Lecture Workshop on “*Exploring Recent Horizons in Chemical Sciences*” Organized by Dr. BAMU Sub-Campus Osmanabad on 21-22<sup>nd</sup> Jan 2011.
- Participated in the “*Entrepreneurship Training Programme*” conducted at Dayanand Science College, Latur on 21-23<sup>rd</sup> Feb 2011.
- Participated In Celebration Of IYC and Lecture Workshop On “*Chemistry: Our Lives Our Future*” at D.B.F. Dayanand College Solapur.
- Participated in national symposium on “*Interfacing Chemical Biology and Drug Design*”(ICBDD) Feb 24-25<sup>th</sup> 2015 organized by Amity University, Lucknow (U.P.)
- Participated in International conference on “*Nature Inspired Initiatives In Chemical Trends*” (NIICT-Organic Synthesis) organized by CSIR-Indian Institute Of Chemical Technology, Hyderabad held on 19-20<sup>th</sup> Sept 2016.

### **Publication of Research Articles in International Journals:**

1) Novel 1, 2, 3-triazole-tethered Pam3CAG conjugates as potential TLR-2 agonistic vaccine adjuvants.

**Tukaram B. Mhamane**, Shainy Sambyal, Sravanthi Vemireddy, Imran A. Khan, Syed Shafi, Sampath Kumar Halmuthur M.\*, *Bioorganic Chemistry*, Volume 111, **2021**,104838 (Impact Factor: 5.307)

2) Synthesis and biological evaluation of novel 2-azido muramyl dipeptide as NOD2 agonistic adjuvants.

Paturu Rama Subba Reddy, Shainy Sambyal, **Tukaram B. Mhamane**, Vemireddy Sravanthi, Syed Shafi, Imran A. Khan, Halmuthur M. Sampath Kumar \*, *Bioorganic & Medicinal Chemistry*, Volume 66, **2022**, 116781,

(Impact Factor: 3.461).

3) Design, synthesis and biological evaluation of novel lipophilic 2, 5-disubstituted tetrazole analogues of muramyl dipeptide as NOD2 agonists.

**Tukaram B. Mhamane**, Shainy Sambyal, Sravanthi Vemireddy, Rama Subba Reddy Paturu, Suresh Babu Katragadda, Shafi Syed, Arif Khan, Sampath Kumar Halmuthur M.\*, *Bioorganic & Medicinal Chemistry*, Volumes 88–89, **2023**, 117296 (Impact Factor: 3.461).

### **Technical Skills:**

- Expertise in handling multi-step and multigram synthesis and can monitor moisture free reactions and can handle hygroscopic, hazardous chemicals
- Expertise in Chromatographic techniques
- Expertise in interpretation of IR, NMR, ESI characterization and structure elucidation etc.
- Experience in manuscript writing, correcting, and reviewing.

### **Computer Awareness:**

MS office, Internet browsing, Search engines, Chemdraw, reaxys, sci-finder etc.

### **Personal Strengths:**

- Proficiency in computer-aided teaching
- Good interpersonal and communication skills
- Able to inspire, comfort, build self-esteem
- Ability to work collaboratively
- Self disciplined and self motivated, stress and time management ability

### **Personal Details:**

**Name** : **Dr. Mhamane Tukaram Bharat**  
**Date of Birth** : 28/07/1988  
**Marital Status** : Married  
**Nationality** : Indian

Languages : Marathi, English, Hindi, Telugu

### **References:**

**Prof. (Dr) H.M.Sampath Kumar** (Ph.D. Supervisor)

Chief Scientist, Organic Synthesis and Process Chemistry Division,  
CSIR- Indian Institute of Chemical Technology, Hyderabad.

Email:sampath@iict.res.in Phone: 9912901010

**Prof. (Dr) V.P Ubale**

Ex.Principal, D.B.F. Dayanand College of Arts & Science,Solapur.

Phone: 9423535445

**Prof. (Dr) Siddhanath V. Bhosale**

Sr.Principal Scientist, Polymer and Functional Materials Division,  
CSIR-Indian Institute of Chemical Technology, Hyderabad

Email:bhosale@iict.res.in

Phone: 9490065673

### **Declaration:**

I hereby declare that the above provided information correct to the best of my knowledge.

**Place:** Angar

Sincerely,

**Dr Tukaram B Mhamane**