**Bhakti Tanna Patel**

29-Motinagar Society, Nr. Ishwarbhuvan hall, Opp. Jogger’s park,

Navarangpura, Ahmedabad-380009.

Contact number: +91 9725309928

Email address: [tanna.bhakti90@gmail.com](mailto:tanna.bhakti90@gmail.com)

**Career Objective:**

Seeking employment that allows me to grow professionally, while being able to utilize my skills for the betterment of the organization with the best use of my dedication, determination and resourcefulness.

**Areas of Interest:**

Pharmaceutical R&D, Analytical techniques, Cell culture and molecular studies, Clinical Research, Intellectual Property, Regulatory Affairs.

**Qualification:**

|  |  |  |  |
| --- | --- | --- | --- |
| Degree | University/Board | Percentile | Year |
| PhD | CSIR-CSMCRI, Bhavnagar | Thesis about to be submitted | Ongoing (From 2015) |
| CSIR Fellowship | CSIR | AIR: 49 | June, 2014 |
| CSIR Fellowship | CSIR | Lecturership | Dec, 2013 |
| M.S.PHARM | NIPER, Mohali | 7.82/10 | 2013 |
| B.PHARM | NIRMA UNIVERSITY | 8.25/10 | 2011 |
| NIPER entrance | NIPER, Mohali | AIR: 458 | 2011 |
| GPAT (Pharmacy) | M.S. BARODA | AIR: 963 | 2011 |
| Higher secondary | Gujarat Board | 85.20 | 2007 |
| Matriculation | Gujarat Board | 84.86% | 2005 |

**Ph.D. Dissertation:**

* Non-targeted metabolite profiling of selected seaweeds along the Gujarat coast

**M.S. Pharm Dissertation:**

* Standardization of monograph development of Mukkamukkatuvadi gutika

**Projects and training:**

**Seminars:**

* Patel MK, **Tanna B**, Mishra A and Jha B. **2018**. Purification, chemical characterization, antioxidant and in vitro anticancer activities of a polysaccharide extracted from Isabgol (*P. ovata*) leaves. In: “XXXII GUJARAT SCIENCE CONGRESS–2018: Science and Technology for Capacity Building & Inclusive Growth: The Role of Academies and Academia”, jointly organized by CSIR-CSMCRI, Bhavnagar and MK University, Bhavnagar under the aegis of Gujarat Science Academy  at Bhavnagar, Gujarat, India. February 4-5, 2018. p. A14 and won the **Best Poster Award**.
* **Tanna B** and Mishra A. **2018**. Antioxidant and cytotoxicity study of some seaweeds collected Gujarat coast. In: Proceedings of 6th Biennial International Conference on New Developments in Drug Discovery from Natural Products and Traditional Medicines, organized by National Institute of Pharmaceutical Education and Research (NIPER), Mohali, Punjab, India. November 15-17, 2018. p. 60.
* **Tanna B** and Mishra A. **2019**. Seasonal variation of antioxidant and radical scavenging activities in selected brown seaweeds along Gujarat coast. In: National Conference on Recent Innovations in Science, organized by RK University, Rajkot, India. January 18-19, 2019. p. 4
* **Tanna B**, Brahmbhatt H and Mishra A. **2019**. Separation of phenolic, flavonoid and amino acid composition of tropical seaweeds from the Saurashtra coast (Arabian Sea) of India unravel their functional–food potential. In: Indo-German Joint Scientific Workshop on Membranes for Water and Energy, organized by Indo-German Science & Technology Centre (IGSTC) at CSIR-CSMCRI, Bhavnagar, Gujarat, India. February 18-20, 2019. p. MW-041
* Attended ‘The Fourth International Conference on Creativity and Innovation at/for/from/with Grassroots’ (ICCIG 4), January, 2019, Indian Institute of Management, Ahmedabad.
* Attended National Workshop on “*Frontiers of NMR Spectroscopy: NUCLEUS TO NUCEOTIDES*”, January, 2016, Rajkot.
* Presented poster in ‘International Conference of ddnp-tm’ November,2012, NIPER, S.A.S. Nagar.
* ‘International Conference on patient safety’, March 2012, NIPER, S.A.S. Nagar.
* Attended 62nd Indian Pharmaceutical Congress, held at Manipal, December 2010.

**Training:**

* 45 Days industrial training at LINCOLN Pharmaceuticals Ltd., Ahemadabad during B.Pharm.

**Experimental Expertise:**

* On hand handling of HPLC.
* Basic knowledge of LC-MS, GC-MS and NMR
* Basic cell culture techniques and cell culture experiments including cytotoxicity and apoptotic assays
* DNA and RNA isolation, RT-PCR (real-time PCR)
* Flow cytometric analysis
* Practical hand on various separation techniques like Thin layer chromatography (TLC), High performance thin layer chromatography (HPTLC), Vacuum liquid chromatography (VLC), Flash  Chromatography.

**Computer Proficiency:**

* Microsoft operating systems and application software: MS Office, Report drafting and making presentation, Chemdraw, Reference Management Software (Endnote Plus), Sigma Stat (Jindel Scientific), Sigma plot, Adobe Photoshop, Graphpad prism.
* Scientific data retrieval from various Internet portals like Sciencedirect, Pubmed, Highwire, Scopus, Google Scholar and Scirus, etc. Patent databases from various internet portals

**Publications:**

1. **Tanna B** and Mishra A. **2019**. Nutraceutical potential of seaweed polysaccharides: structure, bioactivity, safety and toxicity. *Comprehensive Reviews in Food Science and Food Safety*. 18 (3), 817–831. **IF 8.738**
2. **Tanna B**, Choudhary B and Mishra A. **2018**. Metabolite profiling, antioxidant, scavenging and anti-proliferative activities of selected tropical green seaweeds reveal the nutraceutical potential of *Caulerpa* spp. *Algal Research*. 36, 96–105. **IF 3.723**
3. **Tanna B** and Mishra A. **2018**. Metabolites unravel nutraceutical potential of edible seaweeds: an emerging source of functional food. *Comprehensive Reviews in Food Science and Food Safety*. 17 (6), 1613–1626. **IF 8.738**
4. Patel MK, **Tanna B**, Gupta H, Mishra A and Jha, B. **2019**. Physicochemical, scavenging and anti-proliferative analyses of polysaccharides extracted from psyllium (*Plantago ovata* Forssk) husk and seeds. *International Journal of Biological Macromolecules*. 133, 190–201. **IF 4.784**
5. Patel MK, **Tanna B**, Mishra A and Jha, B. **2018**. Physicochemical characterization, antioxidant and anti-proliferative activities of a polysaccharide extracted from psyllium (*P. ovata*) leaves. *International Journal of Biological Macromolecules*. 118, 976–987. **IF 4.784**
6. Mishra A and **Tanna B**. **2017**. Halophytes: potential resources for salt stress tolerance genes and promoters. *Frontiers in Plant Science*. 8, 829. **IF 4.298**
7. **Tanna B** and Mishra A. **2018**. Metabolomics of Seaweeds: Tools and Techniques. In: Ahmad P, Ahanger MA, Singh VP, Tripathi DK, Alam P and Alyemeni MN (Eds.) *Plant Metabolites and Regulation Under Environmental Stress*, Academic Press, Elsevier, USA, pp. 37–52 (*doi: 10.1016/B978-0-12-812689-9.00002-9*), ISBN: 978-0-12-812689-9 [Print]

**Personal Information:**

Husband’s Name: Jimmy Patel

Date of Birth: 15/05/1990

Gender: Female

Nationality: Indian

Marital Status: Married

Languages Known: Hindi, English, Gujarati

**References:**

1. Dr. Avinash Mishra

Sr. Scientist

Division of Biotechnology and Phycology

G. B. Road, Bhavnagar,

Gujarat 364002

Email id: avinash@csmcri.res.in

1. Dr Mangal S. Rathore

Sr. Scientist

Division of Biotechnology and Phycology

G. B. Road, Bhavnagar,

Gujarat 364002

Email id: mangalrathore@csmcri.res.in

**Declaration:**

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

Yours Sincerely,

**Bhakti Tanna Patel**