



Dr. Bhimrao V. Jaiwal

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EDUCATION

M. Sc. Ph. D.
Biochemistry
Dr. B. A. M. U.
Aurangabad Maharashtra,

OBJECTIVE

To associate with an organization that provides an opportunity to utilize my skills and knowledge and help in the growth of the organization and self.

RESEARCH INTERESTS

Protease inhibitors in plant-pest interactions.
Isolation and characterization of therapeutic proteins and secondary metabolites.
Drug discovery and target.

TECHNICAL SKILLS

Gel electrophoresis
Zymography
Chromatography
HPLC
Micro-plate reader
Enzyme kinetics
Flame photometer
UV-Spectrophotometer
PH meter
General laboratory techniques

WORK EXPERIENCE

- Worked as assistant Professor at Food Technology College, Saralgaon from 01/03/2008 to 14/12/2009.
- Worked as Research fellow at Ahmednagar College Ahmednagar from 23/07/12 to 07/05/13.
- Worked as Principal at Food Technology College, Ghargaon from 01/06/2015 to 30/04/2018.
- Worked as assistant Professor at Aditya College of Food Technology, Beed from 01/07/2018 to 01/02/2020

PUBLICATIONS

- Bhimrao V. Jaiwal*, Faiyaz K. Shaikh, Sarwan W. Bradosty, Ajit B. Patil, Raghavendra L. S. Hallur, *Identification of matrix metalloproteinases inhibitors from methanol extract of Peltophorum pterocarpum leaves*
- Bhimrao V. Jaiwal, Faiyaz K. Shaikh, Ajit B. Patil, Raghavendra L. S. Hallur, Identification of three coagulins as MMP inhibitors from *Withania coagulans* Dunal fruits. *Biomedicine*: 2022; 42(5): 929-937.
- Bhimrao V. Jaiwal, Faiyaz K. Shaikh, Sarwan W. Bradosty, Ajit B. Patil, Raghavendra L.S. Hallur, Manjula Shantaram, *In vitro* screening of ninety-five plant extracts for inhibition of *Clostridium histolyticum* collagenase and *Bacillus polymyxa* metalloprotease- analogous human MMPs. *Biomedicine*: 2023; 43(5): 1398-1408
- Faiyaz K. Shaikh, Sarwan W. Bradosty, Prafull P. Gadge, Manohar V. Padul, Bhimrao V. Jaiwal, Ajit B. Patil, Proteinase Inhibitors of Pigeonpea cv. BSMR 736: Characterization and Bioefficacy against *Helicoverpa armigera* (hübner). *CUESJ* 2022, 6 (2): 9-16
- Patil Ajit Babruwahan, Jaiwal Bhimrao Vishwanath*, Tak Rajesh Dattatraya (2022) Thermo sensitive proteins from *W. coagulans* Dunal fruits exhibit anti-coagulant, anti-thrombin and anti-trypsin activities. *International Journal of Botany Studies*, 7 (1), 514-521.
- B. V. Jaiwal, A. B. Patil* and R. D. Tak (2021) Evaluation Of Human Salivary Metalloproteinase Inhibitors In Plant Leaves. *International Journal of Pharmaceutical Sciences and Research*, 12(8): 4407-4417.
- B.V. Jaiwal, R.D. Tak (2019) Purification of Trypsin Inhibitor from Pigeon Pea Seeds. *Vidyabharati International Interdisciplinary Research Journal* 9(2) 110-118.
- B.V. Jaiwal, R.D. Tak (2019) Antioxidant Activity and Phenolic Content in Methanolic extract Of *S. Melongena* and *S. Lycopersicum* Seeds. *Vidyabharati International Interdisciplinary Research Journal* 9(2) 71-79
- Jaiwal Bhimrao Vishwanath*, Rajesh Dattatraya Tak (2019) Bark extracts of *C. fistula* and *M. indica* inhibit the human salivary metalloproteinases. *International Journal of Botany Studies*, 4 (6), 149-152.
- Bhimrao Vishwanath Jaiwal, Rajesh Dattatraya Tak (2019) Accumulation of protein in wild relatives of *Pigeon pea* leaves in response to wounding. *Journal of Emerging Technologies and Innovative Research*, 6(4), 943-937.
- Bhimrao Vishwanath Jaiwal, Rajesh Dattatraya Tak*(2019) Antimicrobial activity of banana peel (*Musa paradisiaca* L.) in different solvent extracts. *Journal of Emerging Technologies and Innovative Research*, 6 (5), 1184-1188
- Bhimrao Vishwanath Jaiwal, Divya Tanwar, Rajesh Dattatraya Tak (2018) Lipase in germinated Sunflower (*Helianthus annuus*) seeds: extraction, immobilization and partial characterization. *Journal of Emerging Technologies and Innovative Research*, 5 (12), 628-634.
- Bhimrao Vishwanath Jaiwal, Rajesh Dattatraya Tak (2018) In vitro screening of proteinase inhibitors in methanol and water extract of *Tridax procumbens*. *Journal of Emerging Technologies and Innovative Research*, 5 (9), 854-858.
- Satishkumar S. Tekale, Bhimrao V. Jaiwal, Manohar V. Padul (2016) Identification of metabolites from an active fraction of *Cajanus cajan* seeds by High resolution mass spectrometry. *Food Chemistry (Elsevier)* Impact factor: 4.3
- Faiyaz K. Shaikh, Prafull P. Gadge, Ashok A. Shinde, Bhimrao V. Jaiwal, Keshav D. Shinde, Manohar V. Padul, Manvendra S. Kachole (2013) Novel isoforms of proteinaceous α -amylase inhibitor (α -AI) from seed extract of *Albizia lebeck*. *Acta Physiol Plant* 35:901-909. DOI 10.1007/s11738-012-1133-5. Impact factor: 1.5
- B. V. Jaiwal, V. S. Shaikh, A. A. Kulkarni and R. D. Tak (2015) Assessment of Total Phenolics and Antioxidant Activity from Different Solvent Extracts of *Maytenus senegalensis* (Lam) Excell: Purification and Partial Characterization of Antioxidant. *Int. J. Curr. Res. Biosci. Plant Biol.* 2015, 2(6): 144-152. Impact factor: 2.5.