CURRICULUM VITAE

Hariprasad M. Paikrao

M.Sc. Biotechnology (NET-CSIR –UGC, NET-ICAR)

EDUCATIONAL QUALIFICATION

1. Ph.D. in Biotechnology registered on 15 JAN 2015, thesis submitted at SGB Amravati University.

2. Qualified ARS-NET in Agriculture Biotechnology (2014).

3. Qualified CSIR-UGC NET (LS) (2009).

4. M.Sc. (Biotechnology) from RTM Nagpur University.

5. B.Sc. from SRTMU Nanded University.

WORK EXPERIENCE

- Worked as a lecturer for P.G. & U.G. Biotechnology course from Session 2008 to 2010 at Agnihotri college of Science & Biotechnology Research centre, Wardha.
- Co-guided 2 M.Sc. Dissertations entitled,
  1. "In vitro regeneration and determination of antimicrobial efficacy of *Santalum album*."
  2. "In vitro regeneration of *Oroxylum indicum* via Somatic embryogenesis and callus induction."
- Worked as Junior Research Fellow under DST, New Delhi, FAST TRACK project "***In vitro* production and optimization of antimicrobial secondary metabolites i.e Passicol from *Passiflora* species"** At Department of Biotechnology, SGBAU, Amravati University, Amravati. 1/10/10 to 14/12/12.
- Worked as Senior Research Fellow under RGSTC Major Research Project, "**Process Development And Characterization Of Antiurolithic activity of bioactive Metabolites of selected Medicinal Plants Of Melghat Forest Region (Amravati)"** At Department of Biotechnology, SGBAU, Amravati University, Amravati. 26/04/2013 to 19/09/2015.

PRACTICAL KNOWLEGDE

- Phytochemical extraction techniques and natural product bioassays.
- Plant tissue culture techniques.
- Establishment of suspension culture and elicitation of metabolites.
- Bioinformatics tools and techniques.
- Chromatographic separation techniques.
- Protein purification and profiling.

DISSERTATION

Title: Phylogenetic analysis of *Passiflora* using Bioinformatics tools.

Place: MGM'S College Of Biotechnology, Nanded.

PUBLICATIONS / PRESENTATIONS

RESEARCH PUBLICATIONS

- **H. M Paikrao**, A.S Patil, V.S Gaikwad, R.D Dhore, P.S Ambulkar S. Bande. Comparative phylogenetic analysis of Passiflora based on protein marker chloroplast expressed glutamine synthetase (ncpG5) and ribosomal protein S4 (rp S4). Vol 1(1), pp 1-6. *Journal of Advanced Bioinformatic Applications and Research*. Vol 1(1). (2010).

- Patil A.S and **Paikrao H.M** (2013). *Passiflora foetida* linn: a complete morphological And phytopharmacological review. *Int J Pharm Bio Sci.* vol. 4(1): (p) 285 – 296.

- Patil A.S and **Paikrao H.M** (2012). Bioassay Guided Phytometabolites Extraction for Screening of Potent Antimicrobials in *Passiflora foetida* L. *Journal of Applied Pharmaceutical Science*. Vol. 2 (9), pp. 137-142, September, 2012.

- Patil Anita S, **Paikrao Hariprasad M** (2012). A novel regeneration system for a wild passion fruit species (*Passiflora foetida* l.) Based on direct somatic embryogenesis from leaf explant**.** *Global J Res. Med. Plants & Indigen. Med.*| Volume 1, Issue 10, 485–495.

- Bipin D Lade, Anita S Patil, **Hariprasad M Paikrao,** Ankit S Kale, Kushal K Hire (2014). A Comprehensive Working, Principles and Applications of Thin Layer

Chromatography. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*. 5(4) 486-503.

- Patil A.S and **Paikrao H.M** (2013). *Passiflora foetida* linn: a complete morphological And phytopharmacological review. *Int J Pharm Bio Sci.* vol. 4(1): (p) 285 – 296.

- Bipin Deochand Lade, Anita Surendra Patil and **Hariprassad Madhukarrao Paikrao** (2014). Efficient genomic DNA extraction protocol from medicinal rich *Passiflora foetida* containing high level of polysaccharide and polyphenol. *SpringerPlus* 2014, 3:457.

- Anita Surendra Patil**,** Bipin Deochand Lade and **Hariprasad Madhukarrao Paikrao** (2014). A Scientific Update on *Passiflora foetida. European Journal of Medicinal Plants*. ISSN: 2231-0894 ,Vol.: 5, Issue. 2. Science Domain

- Bipin D. Lade, Anita S. Patil and **Hariprasad M. Paikrao** (2014). Systematic Optimization of Thin-Layer Chromatography for Wound-Induced Differential Secondary Metabolites in *Passiflora foetida. Journal of Planar Chromatography.* 27 (2014) 5, 385–391. Akadémiai Kiadó Zrt, Budapest) 279

- Bipin Deochand Lade, Anita Surendra Patil, Surendra Rajaram Patil, **Hariprasad Madhukarrao Paikrao**. Preliminary Observation of *Acraea Violae*: A Natural Enemy of *Passiflora Foetida*. *Discovery Nature,* 2014, 9(19), 1-10

- Patil AS, Kale AS and **Paikrao HM** Screening the *In vitro* Calcium Oxalate Crystal Inhibition Potential of *Abutilon indicum* L.: A Common Weed Plant from the Indian Medicine System. Austin J Biotechnol Bioeng. 2014;1(6): 4.

PATENTS PUBLISHED

1. METHOD FOR SELECTIVE EXTRACTION AND PURIFICATION OF STRESS INDUCED ANTIMICROBIAL METABOLITE FROM PASSIFLORA FOETIDA L. **Application No. : 3299/MUM/2012**, Name of Applicant: 1) Sant Gadge Baba Amravati University, 2) Dr. Anita Surendra Patil, 3) **Mr. Hariprasad Madhukarrao Paikrao**. Date of filing of Application: 15/11/2012, Publication Date: 28/12/2012; Journal No. - 52/2012.
2. PROCESS FOR ELICITATION OF A STRESS INDUCED ANTIMICROBIAL METABOLITE IN PASSIFLORA FOETIDA L. **Application No. : 3300/MUM/2012,** Name of Applicant :1) Sant Gadge Baba Amravati University , 2)Dr. Anita Surendra Patil, 3) **Mr. Hariprasad Madhukarrao Paikrao**. Date of

filing of Application:15/11/2012 , Publication Date : 21/12/2012 ,Journal No. - 51/2012.

3. METHOD FOR IDENTIFICATION OF COMPOUNDS POSSESING CALCIUM OXALATE STONE DEGADING PROPERTIES IN PLANT EXTRACTS USING TLC BIOASSAY. **Application number 494/MUM/2013,** Name of Applicant : 1)Dr. Anita Surendra Patil, 2) **Mr. Hariprasad Madhukarrao Paikrao** 3) Dr. Surendra Manik, FILING DATE 20/02/2013, CBR NO. 2064.

PATENT FILED

4. METHOD FOR *IN VITRO* QUALITATIVE AND QUANTITATIVE DETECTION OF CALCIUM OXALATE INHIBITORY ACTIVITY OF PLANT EXTRACTS. Application number 494/MUM/2013, Name of Applicant: 1) Dr. Anita Surendra Patil, 2) Mr. Hariprasad Madhukarrao Paikrao 3) Mr. Ankit Subhash Kale 4) Dr. Surendra Rajaram Patil.

POSTERS PRESNTED

1. Gauri V. Ade, **Hariprasad Paikrao** (2010). In Silico Drug Designing in U.G.C. sponsored national seminar on Industrial & Environmental Microbiology, organized by S. P. Mahavidyalaya Chandrapur. 9 Jan, 2010.
2. Anita Patil and **Hariprasad Paikrao** (2012). Purification and screening the potential of Passicol: A antimicrobial metabolite from *P. incarnata* L. Traditional medicines and Globalization- The future of ancient system of medicine' - 12 th International congress of ethanopharmacology, Kolkata. Organized by School of Natural product research, Jadavpur University, Kolkata, 17-19 Feb, 2012, International.
3. **Hariprasad Paikrao** (2013). PASSIFLORICIDINE- A NOVEL STRESS INDUCED ANTIMICROBIAL METABOLITE FROM *Passiflora foetida* L. at "AVISHKAR" Maharashtra State Inter University Research Convention.7-9 Jan, 2013.

PARTICIPATION IN CONFERENCE/ WORKSHOP ATTENDED

1. U.G.C. sponsored National seminar on "Recent innovations in Herbal Drugs" at Warud, Amravati, 24 Jan, 2009.
2. National Level Symposium on Nano-Biotechnology, Aero-Bio-Nano-2007, at Hyderabad, 29-30 March, 2007.
3. 11th Workshop on Medical informatics and Biomedical-Communication at JBTDRC, MGIMS, Wardha, 20-22 Nov, 2008.
4. AICTE Sponsored National Seminar on "Nanotechnology: A versatile tool in Drug Design and Delivery", Agnihotri College of Pharmacy, Wardha; 7-8 June, 2010.
5. National Workshop on "**Applications of Chromatographic Techniques in Phytochemical Analysis**", Govt. College of Pharmacy, Amravati, 3-4 Oct, 2011.
6. National Seminar on "Natural Resources, Biodiversity and Geography Information System", UGC-Academic Staff College, SGBAU, Amravati, 18 Oct, 2011.
7. Workshop on "**Structural elucidation of natural compounds**", Gov. College of Pharmacy, Amravati, 19-20 Oct, 2012.
8. National seminar on "Trends in Nano-Biotechnology", Dept. of Biotechnology, SGBAU, Amravati, 4 Jan, 2013.

PERSONAL DETAILS

Full Name	: Hariprasad Madhukarrao Paikrao.
Father Name	: Madhukarrao Haribhau Paikrao.
Date of Birth	: 31-03-1986.
Nationality	: Indian.
Domicile	: Maharashtra.
Languages Known	: English, Marathi, Hindi