



Dr. D.Y. Patil Vidyapeeth's
Dr. D. Y. Patil Biotechnology And
Bioinformatics Institute.

Name : Mrs. Jyoti Amol Deshpande

Designation: Lecturer
Email ID : jyoti.bidwai@dpu.edu.in
Mobile No : 9881716874
Qualification : M.Sc. Biotechnology
Area of Specialization: Biotechnology



Academic Qualifications:

- 1) **Masters Degree in Biotechnological Sciences (2004) – 68.30%**
Amravati University, Amravati. (University 3rd Rank)
 - 2) **Bachelor of Sciences (Microbiology, Biochemistry, Chemistry) -78.28 %**
R.L.T. College of Science, Akola,
 - 3) **H.S.C.- 75.50%**
Arts, Commerce and Science Junior college, Akola.
 - 4) **S.S.C.-86.40%**
S.S.H.S. Dongaon. **Amravati Board 27th merit.**
 - 5) **Diploma in Computer Applications (April 2002)**
- ✓ Maharashtra State Board of Vocational Examinations Course in Information Technology.

Professional Experience:

Teaching Experience:- 6 Years.

- 1) Working as a Lecturer in **Biotechnology** at Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Tathawade, Pune. Currently teaching to the students of following Classes from Nov 2006 till date. (About 6 Years.)
 - B. Tech. Biotechnology
 - M. Tech. Biotechnology
 - B. Tech Bioinformatics
 - M.Sc. Biotechnology

Publications:

List of International Publications. (Indexed Journals.)

- 1) "Synthesis, Characterization, Molecular Docking and Cytotoxic Activity of Novel Plumbagin Hydrazones against Breast Cancer Cells" Prasad Dandawate, Ejazuddin Khan, Subhash Padhye, Himanshi Gabac, Swati Sinha, **Jyoti Deshpande**, K. Venkateswara Swamy, Madhukar Khetmalas, Aamir Ahmad and Fazlul Sarkar, *Bioorganic & Medicinal Chemistry Letters*, (impact factor 2.6), 22, 2012, 3104–3108
- 2) "Inclusion Complex of Novel Curcumin Analogue CDF and β -Cyclodextrin (1:2) and Its Enhanced In Vivo Anticancer Activity Against Pancreatic Cancer", Dandawate PR, Vyas A, Ahmad A, Banerjee S, **Deshpande J**, Swamy KV, Jamadar A, Dumhe-Klaire AC, Padhye S, Sarkar FH., *Pharmaceutical Research*, (impact factor 4.5), 2012, (In press).
- 3) Molecular docking studies on estrogen receptor- α , and chalcone derivatives, Venkateswara Swamy, **Jyoti Deshpande**, Jasmine Soumya Pthegiri, Vidya Kothekar, Subhash Padhye, *International Journal of advances in pharmacy and Biological sciences*, 1(3), 2011, 87-93.
- 4) " Perspectives on chemopreventive and therapeutic potential of cucumin analogs in Medicinal chemistry", S.Padhye, D.Chavan, S. Pandey, **J.Deshpande**, K.V.Swamy, F.H.Srkar, *Medicinal chemistry*, 10, 2010, 1-16.
- 5) "Fluorinated 2'-Hydroxychalcones as Garcinol Analogs with Enhanced Antioxidant and Anticancer Activities", Subhash Padhye, Aamir Ahmad, Nikhil Oswal, Prasad Dandawate, Rukhsana A. Rub, **Jyoti Deshpande**, K. Venkateswara Swamy, Fazlul H. Sarkar, *Bioorganic & Medicinal Chemistry Letters*, 2010
- 6) "Qualitative phytochemical analysis and antimicrobial activity studies of *Gymnema sylvestre*, **R. Br.**" Minal Wani, Faizan Ali Sarvar, Juhi Agrawal, **Jyoti Deshpande**, Siji Mathew, Madhukar Khetmalas, *Acta Biologica Indica*, 1(1), 2012, 121-124.

Abstracts published in international Conferences.

- 1) “Qualitative Phytochemical Investigation Studies and Isolation of Active Compounds by Thin Layer Chromatography of Plumbago” **J. Deshpande**, P. Amale, M. Wani, M. Khetmalas, International Seminar on “Emerging threats and challenges to Biodiversity- Policy framework and Sustainable management ETCOB2012” at S. V. University, Tirupati, A.P. during 2nd-4th March 2012.
- 2) In Vitro Callus Induction Studies of *Gymnema sylvestre* R.Br. & Molecular Docking Of Gymnemic Acid Faizan Ali Sarvar, Arif Kamal Khan, **Jyoti Deshpande**, Minal Wani, K. V. Swamy. ICABS – International Conference on Advances in Biological Sciences is being organized by the Department of Biotechnology and Microbiology and Inter University Centre for Biosciences, Kannur University during March 15-17, 2012 at, Kannur, Kerala, INDIA.
- 3) “Molecular docking studies on estrogen receptor alpha and chalcone derivatives”, K.Venkateswara swamy, **Jyothi Deshpande**, Jasmine Soumya Pathgeri, Vidya Kothekar, Subhash Padye, 1st IFIP International conference on Bioinformatics, Surat, 25-28, Mar, 2010.
- 4) “Studies on callus induction and inhibitory effect of *Azadirachta indica* on *S.aureus*, *B. subtilis* and *E. coli*.” **Jyoti Deshpande**, Minal Wani, Snehal Pande, Rashi Gupta and Pallavi Thakral, *International Conference on conservation, Marketing and patenting of medicinal Plants*, (ICOMP), Raipur, 13-14, Mar, 2010.

Abstracts published in national Conferences.

- 5) “Qualitative Phytochemical Investigation Studies and Isolation of Active Compounds by Thin Layer Chromatography of Three Anti diabetic plants” Aparna Sharma, Tarushikha Khetan, **Jyoti Deshpande**, Siji Mathew, Minal Wani ‘Second National Conference on Biotechnology, Bioinformatics and Bioengineering’ at Kolhapur, Maharashtra. 24-25 February 2012
- 6) “Qualitative Phytochemical Analysis and Antimicrobial Activity Studies Of *Gymnema sylvestre* R.Br.” Faizan Ali Sarvar, Juhi Agrawal, **Jyoti Deshpande**, Minal Wani. ‘Second National Conference on Biotechnology, Bioinformatics and Bioengineering’ at Kolhapur, Maharashtra. 24-25 February 2012
- 7) “Phytochemical Analysis and Antimicrobial Activity of Crude Extract of *Tridax procumbens* Leaves.” Minal Wani, Snehal Pande, Nitin More, Shikha Sharma and Dhvani Kothari and **Jyoti Deshpande**, *International Conference on conservation, Marketing and patenting of medicinal Plants*, (ICOMP), Raipur, 13-14, Mar, 2010.

Workshops/Conferences Attended:

1) State Level Seminar On - **“Research Orientation And Methodology”** (Slsrom 2012)

Sponsored by – BCUD, University of Pune.

Organized by- Padmashree Dr. D. Y. Patil Arts, Commerce & Science College

Pimpri, Pune on 9th&10th February, 2012

2) Event : **12th Indo - US Cytometry Workshop** (19th and 20th Oct. 2011)

Sponsored By: Dr. D. Y. Patil Vidyapeeth Pune, India University Of Miami, Florida,
USA International Society For Advancement Of Cytometry (Isac) International Society For
Clinical Cytometry (Iccs)

Organized by: Dr. D.Y.Patil Veedyapeeth, Pune.

3) Event: National Workshop on "System Biology"(23.04.2011)

Sponsored by: Dr. D. Y. Patil Vidyapeeth Pune

Organized by: Dr. D. Y. Patil Institute of Biotechnology and Bioinformatics Institute Pune.

4) Workshop on **“Drug Designing, discovery and development”**

Sponcered by- **Pune University and Dr. D.Y.Patil University.**

Organised at- **Dr. D.Y.Patil Institute of Pharmacy, Pimpri,Pune.**

5) Workshop on **“Essentials of Drug Designing”**

Organised at -**Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Akurdi, Pune,**

Sponcered by, **Dr.D.Y.Patil University, Pune.**

6) **“National Symposium on Current trends on Biotechnology”**

Organised at- **Dept. of Biotechnology, Amravati University.**

Sponsered By- **Amaravati University.**

7) **“International Conference on Advances in Biotechnology and Bioinformatics (ICABB 2013)”**

Organized by: **Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Akurdi, Pune.**

Sponsored By: **Dr. D.Y. Patil Vidyapeeth, Pune and The Biotech Research Society, India.**

Responsibilities:

- ❖ Class coordinator of Second Year B.Tech. Biotechnology
- ❖ Member of various committees
 - Time table committee
 - Annual Clender committee
 - Student mentorship committee
 - Healthy Practices committee
 - Parent teacher association committee
 - Complaint committee
- ❖ Incharge for various competitions and screening for them in annual gathering.

Project Handled :-

1) **Ph. D. Project:** “Standardization of *in-vitro* regeneration of *Plumbago species* for optimization of Plumbagin production and studies of therapeutic activities of plumbagin along with in-silico designing and docking of plumbagin and its analogs.”

Research Guide: **Dr. M. B. Khetmalas, Director**, Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Tathawade, Pune.

2) Funded Project:- “**Steroid Motifs as an Anticancer Agent**”

Name of Funding Agency:- **Dr. D. Y. Patil University, Pune.**

Duration - 2Yaers.

Principle Investigator:- **Dr. Dr K. V. Swamy, Assistant Professor**, Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Tathawade, Pune.