

RESUME

Recipient of Best Teacher Award, University of Mumbai

- 1. Name of the Teacher and Designation** : JADHAV BHASKAR LAXMAN
PROFESSOR & HEAD
Department of Life Sciences
University of Mumbai
Email: drbljadhav@gmail.com.
Mobile no.: 09969145337
- Additional Responsibility** : **I/C Director**
Western Region Instrumentation Centre
University Grant Commission's
National Facility of Instrumentation
Mumbai – 400 098
- 2. Educational Qualification** : M.Sc. (Biochem), Ph. D. (Mar Sci.)
- 3. Teaching Experience** : 25 Yrs (P G level, University Dept)
- 4. Subject Taught** : **Life Sciences**
(Biotechnology, Biochemistry,
Aquaculture, Instrumentation etc.)
- 7. Area of Research** : Molecular Biology, Biotechnology,
Medicinal plants, Aquaculture
- 8. Address** : Dr. B. L. Jadhav. G-2, Vidyanagari
Campus, University of Mumbai,
Santacruz (E), MUMBAI – 400 098
- 9. Permanent Address** : At Post. Walsa Khalsa, Ta. Bhokardan
Dist. Jalna, Maharashtra

I. RESEARCH STUDENTS GUIDED

A. Doctorate of Philosophy (Ph.D.): Degree Awarded.

1. **Ms. Tejishtha Gupta (2013):** Studies on selected plant species for diabetic wound healing properties.
2. **Mr. Alireza Shahrjerdi (2012):** Studies on the genetic variation of INS, INSR and PPRG genes associated with type 2 Diabetes mellitus.
3. **Ms. Nilambari Daripkar (2012):** Studies on the ethanol production from the wild fruits of India.
4. **Chhaya Mitter (2011).** Ethnopharmacological studies of mangrove species occurring along Maharashtra coast.
5. **Shraddha Gupta (2010).** Studies on the Rodent repellent and Rotenticide properties in the wild flowers.
6. **Ms. Hina Alim (2009).** Studies on the genetic diversity of fresh water pearl producing bivalve *Lamellidens marginalis* (Lamarck).
7. **Mr. S. N. Gawade (2009).** Studies on the development of soil conditioner from fertilizer industry and municipal waste.
8. **Ms. Bharti Jhurani S. (2009).** Studies on the bioactivity guided isolation and purification of natural compounds from *Rhizophora apiculata*
9. **Dr. Suruchi S. Jamkhedkar (2008):** Studies on the genetic variation of pearl producing Indian bivalve *Lamellidens corrianus* from Konkan area.
10. **Dr. Archana S. Borkar (2008):** Effects of Organophosphorus on the workers health in the work environment of Agro-chemical industries.

- 11.**Dr. Shaila Mane (2007):** Studies on the bioactive compounds of leaf extracts of *Bruguiera cylindrica*.
- 12.**Dr. Bindu Maurya (2007):** Studies on the bioactive components of alcoholic stem extract of *Sonneratia apetala*.
- 13.**Dr. Aarthi Ghosalkar (2006):** Study of genetic diversity in Indian major carp *Labeo rohita*.
- 14.**Dr. Archana Kale (2006):** Screening of pesticidal principles from mangrove species occurring along Mumbai coast.
- 15.**Dr. Nisha Shah (2005):** Pharmacognosical studies on methanol extracts of mangrove species *Aegicerus corniculatum*
- 16.**Dr. Jaimini Dhane (2005):** Studies on the acetone soluble bioactive principles of *Sonneratia apetala* leaf.
- 17.**Dr. J. G. Saluja (2004):** *In vivo* studies on the ethanolic stem and leaves extract of *Sonneratia apetala*.
- 18.**Dr. B. G. Pagare (2003):** Studies on the bioactive methanol extracts of *Excoecaria agallocha*.

B. M. Sc. By Research (Degree Awarded)

- 19.**Mr. Mukesh Pimpliskar (2004):** Screening and characterization of antimicrobial properties of mangrove *Rhizophora species*.
- 20.**Ms. Shilpa Prakash Kulkarni (2001):** Studies on the effects of low molecular weight acid soluble proteins on plasmid DNA of *Bacillus thuringiensis var. israelensis*.
- 21.**Ms. Bindu Maurya (2001):** Studies on the Screening of bioactive compounds of Mangrove plants along Revas coast.
- 22.**Ms. Milan Mangaonkar (2000):** Screening of bioactive components of mangrove plants of Bombay coast.
- 23.**Ms. Nisha Suraiya (1999):** Screening the antimicrobial active components of mangrove plants of Mumbai coast.
- 24.**Ms. Arezou Ghannad Ebadi (1998):** Studies on the rearing of carps *Cyprinus carpio* and *Labeo rohita* fry on different feeds.

C. Students Registered for Ph.D.

Name	Title	Date of Registration
1. Mr. Amit Patil	Isolation and characterization of antimicrobial compounds from the leaves of <i>Sonneratia apetala</i> Buch. Ham.	Synopsis submitted
2. Ms. Neeti Kumar	Studies on the genetic diversity of cattles in the Marathwada region of Maharashtra.	2011
3. Ms. Anjali Navgire	Synthesis of extracellular metal nanoparticles using mangrove species and their anti mycobacterial activity	2012
4. Ms. Larkins Ramteke	Studies on the effects of metal nanoparticles of selected mangrove species on plasmid mediated antibiotic and metal resistant genes from nosocomial pathogens	2012
5. Mr. Salim Alkiyumi	Studies in the antidiabetic properties of selected mangrove species traditionally used to cure diabetes mellitus.	2012
6. Mr. Ahmed Al Rashdi	Systematic molecular characterization of multidrug resistant <i>Mycobacterium tuberculosis</i> complex isolates of India	2012

7. Ms.Quraishi Firdaus Studies on the antioxidant properties and phytochemical analysis of selected mangrove species. 2013
- 8.Suzy Munir Salama Studies on the antimicrobial principles of selected mangrove species against human pathogens. Topic approved
- M.Sc.(By Research)**

II. PUBLICATIONS AND PATENTS

A. BOOK PUBLISHED

1. U. S. Bagde, **B. L. Jadhav** and Ujwala Jadhav (2014): **Current Trends in Life Sciences** (ISBN-13: 978-3-659-41262-2). LAP Lambert Academic Publishing (2014-01-25), Germany. Pages: 208

B. RESEARCH PAPERS PUBLISHED

1. Shraddha Gupta, **B. L. Jadhav** and Rajpal Hande (2014). Neuropharmacological and Hematological Profile of *Gliricidia sepium* Flower. **In Book: Current Trends in Life Sciences**. (ISBN-13: 978-3-659-41262-2. **Ed:** U. S. Bagde, B. L. Jadhav and Ujwala Jadhav, LAP Lambert Academic publishing (2014-01-25), Germany. Pages: 173-186
2. B. G. Pagare and **B. L. Jadhav** (2013). Antimicrobial screening and bioactivity guided fractionation of acetone extracts of *Excoecaria agallocha*. *Research Journal of Pharmacognosy and Phytochemistry*, **5** (5): 215-219 [ISSN: 0975-4385].
3. **B. L. Jadhav**, Quraishi Firdaus Mukhtar and B. G. Pagare (2013). Evaluation of antioxidant properties and antioxidant phytochemicals in the stem and leaves of *Ceriops tagal* mangroves. *Research Journal of Biotechnology* **8** (9): 28-31 [ISSN: 0974-6263]. **Impact Factor: 0.294**
4. Alireza Sharjerdi, **B. L. Jadhav** and Suruchi Jamkhedkar (2013) Study of single - nucleotide polymorphism within candidate genes associated with

- type 2 diabetes in Western Indian population. *Journal of Pharmacy Research* **6** (2): 233-238 [ISSN: 0974- 6943].
5. Hina Alim, **B. L. Jadhav** and W. S. Lakra (2012). Population genetic structure of pearl producing bivalve *Lamellidens marginalis* using allozyme markers. *Journal of Indian Fisheries Association* **38**: 19-28 [ISSN: 0972-3854].
 6. Mukesh Pimpliskar, Pramod Shinde, Vijay Savakare, Vaishali Jadhav and **B. L. Jadhav** (2012). Comparative performance of activity of antimicrobial principles of Mangroves *Rhizophora species* along Mumbai coast. *Indo - Global Research Journal of Pharmaceutical Sciences* **2**(4): 426-429. [ISSN: 2249- 4189].
 7. Pimpliskar Mukesh R, R. N. Jadhav and **B. L. Jadhav** (2012) Evaluation of antibacterial principles of Rhizophora species along Mumbai coast. *Journal of Advanced Scientific Research*. **3**(3): 30-33 [ISSN: 0976- 9595].
 8. Archana Borkar and **B. L. Jadhav** (2012) Impact of organophosphorus work environment on workers health and the role of management in controlling exposure. *Bionano Frontier* 5(1): 1-5 [ISSN: 0974- 0678]. **Impact Factor: 0.233.**
 9. Mitter C. S. and **Jadhav B. L.** (2011). Bactericidal and bioactivity guided fractionation studies of mangrove species *Derris indica* and *D. trifoliata*. *Research Journal Of Biotechnology* **6**(4): 57 - 61
 10. D. Jaimini, C. Sarkar, Aftab Shabnam and **B. L. Jadhav** (2011) Evaluation of antibacterial properties of mangrove plant *Sonneratia apetala* (Buch. Ham) leaf. *World Applied Sciences Journal* **14**(11): 1683 – 1686. [ISSN: 1818-4952]

11. Poonam Gawali and **Jadhav B. L.** (2011) Antioxidant property and antioxidant phytochemical analysis of mangrove species *Sonneratia alba* and *Bruguiera cylindrica*. *Asian Journal of Microbiology, Biotechnology and Environmental Sciences* **13**(2): 257 – 261. **Imp. Factor: 0.2334.**
12. Suruchi Jamkhedkar and **B. L. Jadhav** (2011) Genetic variation of *Lamellidens corrianus* using isozyme markers. *Bionano Frontier* 4(1): 68 – 72. [ISSN: 0974- 0678]. **Impact Factor: 0.233.**
13. M. R. Pimpliskar, R. N. Jadhav and **B. L. Jadhav** (2011). Study on antimicrobial principles of *Rhizospora species* along Mumbai coast. *J. Aqua. Biol.* **26** (1): 6-11
14. Pratap Mukhopadhyaya, Arpan Acharya, Yashwant Chavan, Alireza Shahrjerdi and **B. L. Jadhav** (2011) Population study of genetic markers associated with type 2 diabetes. **Proceedings:** The International conference on “The effects of sciences on globalization”. Pp 188-200. Feb, 7th & 8th 2011, Pune, India.
15. **B. L. Jadhav** and Nilambari Daripkar. (2010). Ethanol production from the wild fruits of *ficus glomerata*. *Bionano Frontier* **3**(2): 167-171. [ISSN: 0974 - 0678]. **Impact Factor: 0.233.**
16. **B. L. Jadhav**, S. M. Mane and S. S. Jamkhedkar(2009). Activity guided fractionation and phytochemical analysis of *Bruguiera cylindrica*. *Asian Journal of Microbiology, Biotechnology and Environmental Sciences.* **11** (1): 837- 842. [ISSN: 0972 -3005]. **Impact Factor: 0.2334.**
17. **B. L. Jadhav** and Suruchi Jamkhedkar (2009). Phylogenetic analysis of *Lamellidens corrianus* obtained from Konkan region of Maharashtra by 28s rRNA and 18s rRNA sequences. *Research Journal of Biotechnology.* 4(1): 37-44. [ISSN: 0974–6263].

18. **B. L. Jadhav** and Jamkhedkar Suruchi (2008). The reproducibility of RAPD profiles of *Lamellidens corrianus* DNA. *Research Journal of Biotechnology*. **3**(1): 15-17. [ISSN: 0974–6263].
19. **B. L. Jadhav**, A. Ebadi and D. Jaimini (2008). Diet formulation for rohu (*Labeo rohita*) using mango seed endosperm along with groundnut oil cake and fish meal. *Journal of University of Mumbai*, **57**: 9-17.
20. **B. L. Jadhav**, Bindu R Maurya and Nisha Shah (2008). Screening of ethanol soluble bioactive compounds in *Sonneratia apetala* Ham. *Journal of University of Mumbai*, **57**: 18-25.
21. **B. L. Jadhav**, K Jamdar and Aarti Ghosalkar.(2008). Comparison of seasonal variations in biochemical composition and marketwise price variation of *Parapenaeopsis stylifera* and *Nematopalaemon tenuipes*. *Journal of University of Mumbai*, **57**: 26-32.
22. Daripkar Nilambari and **Jadhav B. L. (2010)**. Technology development for ethanol production from the wild fruits of *Mimusops hexandra*. *Research Journal of Biotechnology*. **5**(3): 63-67. [ISSN: 0974–6263].
23. Suruchi Jamkhedkar and **B. L. Jadhav**. (2010). Analysis of genetic diversity in *Lamellidens corrianus* using RAPD markers. *Asian Journal of Experimental Sciences*. **24**(2): 1- 05. [ISSN: 0971- 5444].
24. Bharti S. Jhurani and **B. L. Jadhav** (2010). Evaluation of antimicrobial properties and activity guided fractionation of mangrove species *Rhizophora apiculata*. *Asian Journal of Microbiology, Biotechnology and Environmental Sciences*. **12** (4):1-4.[ISSN: 0972-3005]. **Imp. Factor: 0.2334**

25. Hina Alim, **B. L. Jadhav** and W. S. Lakra. (2010). Genetic variation between *Lamellidens marginalis* populations of Indian waters by randomly amplified polymorphic DNA. *Bionano Frontier* **3**(2): 153 – 157. [ISSN: 0974- 0678]. **Impact Factor: 0.233.**
26. Jasmine B. Jaiswal, Shivram S. Garje and **B. L. Jadhav** (2009). Synthesis, characterization and biological activity studies of phenylarsenic(III) Semi- and thio- semicarbazones. *Main Group Metal Chemistry* **32**(6): 297 – 308. [ISSN: 0792 – 1241]. **Impact Factor: 0.441.**
27. Archana Kale, **B. L. Jadhav**, K. L. Bhatia and S. N. Gawade (2008). *In vitro* studies on a mangrove plant (*Sonneratia apetala*) extracts as botanical pesticides against *Xanthomonas malvacearum* and *Pseudomonas syringae*. *Journal of Soils and Crops*, **18**(1): 81-85.
28. A.V. Karnik, A.M. Kulkarni, N.J. Malviya, B.R. Maurya and **B. L. Jadhav** (2008). Synthesis and *in vitro* anti-bacterial evaluation of tetracyclic-ortho-fused 4*H*-naphtho[1',2'-5,6]pyrano[3,4-*d*](1,2,3)selenadiazole and its derivatives. *European Journal of Medicinal Chemistry*, **43**: 2615 – 2617. [ISSN: 0223-5234]. **Impact factor: 3.269.**
29. Priyanka A. Kasatkar and **B. L. Jadhav** (2007). Antimicrobial screening and phytochemical analysis of mangrove species *Acanthus ilicifolius*. *Biosciences, Biotechnology Research Asia*. **4**(2):189-196. [ISSN 0973-1245]
30. R. C. Patil, U. Jadhav, N. S. Bhingarde, **B. L. Jadhav** and M. Upadhye (2007). Effect of Wheat extracts at different stages of growth as an antimicrobial or enhancing agent against human pathogens. *International Journal of Pharmacology and Biol. Sciences*. **1**(2). 61-65. [ISSN: 0973-6808].

31. A. V. Karnik, J. N. Malviya, A. M. Kulkarni, D. Jaimini and **B. L. Jadhav** (2006). Synthesis and antimicrobial studies of 6-Aryl-2, 2 α - dihydro-naphtha-[2',1'-5, 6] pyrano [4,3-e] [1,2,4] triazolo [3,4-b] [1,3,4] thiadiazine and its derivatives. *Journal of Heterocyclic Chemistry* **43**: 489-493. **Impact Factor: 0.899.**
32. Bindu R. Maurya, **B. L. Jadhav** and Nisha Shah (2006). Pharmacognosical Investigations of Acetone extracts of Mangrove plant *Sonneratia apetela* Ham. *Biosciences, Biotechnology, Research Asia (An International Research Journal of Biosciences and Biotechnology)* **3(1a)**: 215-220.
33. Aarati Ghosalkar, **B. L. Jadhav** and W. S. Lakra (2006). Genetic characterization of Indian major carp *Labeo rohita* using random amplified polymorphic DNA (RAPD). In *Sustain Fish*. **Eds:** B. M. Kurup and K. Ravindran. Proc. International symposium on "Improved sustainability of fish production systems and appropriate technologies for utilization" held during 16-18th March, 2005, Cochin, India. **Publ.** School of Indus. Fisheries, Cochin University of Science and Technology, Cochin, India, pp209-220.
34. A.V. Karnik, J. N. Malviya, A. M. Kulkarni, and **B. L. Jadhav** (2006). Synthesis and *In vitro* antibacterial activity of novel heterocyclic derivatives of 18 nor-equilenin. *European Journal of Medicinal Chemistry* **41**: 891-895. **Impact factor: 3.269.**
35. N. J. Malviya, A. M. Kulkarni, D. Jaimini, **B. L. Jadhav** and A.V. Karnik (2006). Chemoselective synthesis of heterocyclic derivatives of 18-nor equilenine, 16-substituted-12H-11-oxa-15-aza-17- thio- cyclopental[a] phenanthrene and their *in vitro* evaluation of antibacterial and antifungal activity. *Indian Journal of Chemistry* **45B**:1499-1503. **Impact Factor: 0.368.**

36. Jaimini D. and **B. L. Jadhav** (2005). Qualitative and quantitative analysis of endosperm proteins of *Mangifera indica* (Mango) var Totapuri. *Trends in Life Sciences* **20**(1): 39-47. . [ISSN 0973-1245]
37. Meghana Vartak, Aarati Ghosalkar and **B. L. Jadhav** (2005). Alcohol production from *Carissa carandas*. *Trends in Life Sciences* **20**(2): 33-40. [ISSN 0973-1245]
38. N. J. Shah and **B. L. Jadhav** (2004). Antimicrobial screening of two mangrove plants *Salvadora persica* and *Avicenia officinalis* occurring along Mumbai coast. *In Proceeding of National Conference on Human Health and Nutrition: A Biotechnological approach*: 240-245. Botany Department, B.N. Bandodkar College of Science, Thane, Maharashtra.
39. B. R. Maurya and **B. L. Jadhav** (2004). Methanol hot extracts of Mangrove plant *Sonneratia apetela* Ham. *In Proceeding of National Conference on Human Health and Nutrition: A Biotechnological approach*: 246-251. Botany Department, B. N. Bandodkar College of Science, Thane, Maharashtra.
40. Jaimini D. and **B. L. Jadhav** (2004). Studies on the protein extraction of mango (*Mangifera indica*) seed endosperm. *In Proceeding Bioresources, Biotechnology and Bioenterprise*: 279-286. Department of Zoology, Osmania University, Hyderabad.
41. S. Mane and **B. L. Jadhav** (2004). Pharmacognosical investigation of *Bruguiera cylindrica*. *In Proceeding Bioresources, Biotechnology and Bioenterprise*: 236-240. Department of Zoology, Osmania University, Hyderabad.

42. **B. L. Jadhav**, A. Ebadi and D. Jaimini (2004). Evaluation of Mango seed endosperm powder against different carbohydrate sources in the diets of *Cyprinus carpio*. *Journal of University of Mumbai*, **57**: 29-40.
43. Jaimini D. and **B. L. Jadhav** (2004). Wheat grass- Medicine to all. *Journal of University of Mumabi*, **57**: 66-74
44. Jaimini and **B. L. Jadhav** (2004). Studies on the protein extraction of Mango (*Mangifera indica*) seed endosperm. *Trends in Life Sciences* **19(1)**: 1-8. [ISSN 0973-1245]
45. Milan Mangaonkar and **B. L. Jadhav** (2001). Screening of antimicrobial properties of *Avicennia marina*, *A.alba* and *Sesuvium portulacastrum* along the Mumbai coast. *Journal of University of Mumabai*, **56**: 99-112.
46. Malvade D. M. and **B. L. Jadhav** (2000). Alcohol production from *Madhuca indica* flowers. *Trends in Life Sciences*, **15(2)**: 59-65. [ISSN: 0973-1245]
47. Suraiya N. N. and **B. L. Jadhav** (2000). Screening of the antimicrobial properties of *Acanthus illicifolius* and *Ex. Agallocha spp* of the Mumbai coast. *Trends in Life Sciences*, **15(2)**: 59-65. [ISSN: 0973-1245]
48. **B. L. Jadhav** (2012). Understanding the doctrines of rebirth and nibbana of Buddhist philosophy through energy dynamics. *Buddhism &Australia: International conference on Buddhism* (www.buddhismandaustralia.com)
49. B. G. Pagare and **B. L. Jadhav** (2003). Evaluation of antimicrobial and bioactivity guided studies in the methanol extracts of *Excoecaria agallocha* mangrove species. *Shouryabhoomi: A Peer Reviewed International Journal of Multidisciplinary Research* (**Accepted for publication**)

C. NCBI GenBank (USA) Gene sequences deposition:

I. Al Rashdi A. S., B. L. Jadhav and U. D. Deshpande (2013). *Mycobacterium tuberculosis* EAI5, complete genome

Details of genome deposition as follow:

Accession No: CPOO6578

Base pairs: 4391174

II. Neeti Kumar and B. L. Jadhav (2014). Gene sequences of Cows from Marathwada region of Maharashtra.

- | | |
|------------------|--------------------------|
| 1. File AU 02 | Accession. No. KF 952267 |
| 2. File AU15 | Accession. No. KF 952268 |
| 3. File AU18 | Accession. No. KF 952269 |
| 4. File JA 09 | Accession. No. KF 952270 |
| 5. File JA13 | Accession. No. KF 952271 |
| 6. File JA 10 | Accession. No. KF 952272 |
| 7. File PA 05 | Accession. No. KF 952273 |
| 8. File PA07 | Accession. No. KF 952274 |
| 9. File PA09 | Accession. No. KF952275 |
| 10. File BECA 02 | Accession. No. KF952276 |
| 11. File BECA 10 | Accession. No. KF952277 |
| 12. File BECA12 | Accession. No. KF 952278 |
| 13. File NACA 10 | Accession. No. KF 952279 |

14.File NACA16	Accession. No. KF 952280
15.File NACA18	Accession. No. KF 952281
16.File LACA 02	Accession. No. KF 952282
17.File LACA 05	Accession. No. KF 952283
18.File LACA 08	Accession. No. KF 952284
19.File OSCA 04	Accession. No. KF 952285
20.File OSCA12	Accession. No. KF 952286
21.File OSCA15	Accession. No. KF952287

III. Jamkhedkar S. S. and **Jadhav B. L.** (2008). Six **18S** and **28S** Gene sequences of fresh water Pearl producing Indian Bivalve *Lamellidens corrianus* from Konkan region, Maharashtra, India, are deposited in American GenBank (*NCBI*).

The **File** and **Accession Nos.** of gene sequences deposited in GenBanks are as follows:

22.File A4418SR.sqn:	Accession. No. EU394233
23.File B2618SR.sqn:	Accession. No. EU394234
24.File K218SR:	Accession. No. EU394235
25.File B 26F:	Accession. No. EU394236
26.File BIVALVEA44.sqn:	Accession. No. EU394237
27.File K2F. sqn:	Accession. No. EU394238

D. INDIAN PATENTS:

1. Jadhav B. L. and Bindu Maurya

Title: Herbal antimicrobial formulation.
Application Number: 1480/MUM/2008
Date of Filing Application: 15/07/08
Date of Publication: 22nd January, 2010

2. Jadhav B. L. (2008)

Title: Soil Conditioner
Application Number: 1482/MUM/2008
Date of Filing Application: 15/07/08
Date of Publication: 22nd January, 2010

3. Jadhav B. L. and Larkins Ramteke (2013)

Title: A method of making noble metal nanoparticles formed by green chemistry techniques
Application Number: 1320/MUM/2013
Date of filing Application: 05/04/2013
Publication Date: 03/05/2013

4. Jadhav B. L. and Shraddha Gupta (2011)

Title: Herbal Rodenticide and composition thereof.
Application Number: 3215/MUM/2011
Date of filing Application: 14/11/2011

5. Jadhav B. L. and Poonam Gawali (2014)

Title: Green synthesis of nanoparticles from Mangroves and its free radical scavenging activity
Application Number: 262/MUM/2014
Date of Filing Application: 24/01/2014

III. Seminars/ Conferences/ Symposia organized and participated as follows

A. Conferences organized.

Themes	Name of the Sponsoring Agency	Place and Date
Environmental Technology-Biological Perspective Issues and Challenges	University of Mumbai	Feb. 2006, Department of Life Sciences, University of Mumbai
“Buddhism and world Peace”	Non Govt. Orgnizations	April 2005, Ravindra Natya Mandir, Mumbai
Recent Trends in Life Science and Biotechnology	University of Mumbai	Nov. 2001, Deptt. of Life Sciences, Univ of Mumbai
Indian History Congress	University of Mumbai	28-30December, 2012 University of Mumbai

B. Conferences attended and Research Papers presented

Seminars, Conferences, Symposia, Workshops, etc.	Name of the Sponsoring Agency	Place and Date
International Conference/ Symposium		
1. International Society Biotechnology Conference	Research Journal of Biotech. & Sikkim Manipal Univ., Gangtok, Sikkim.	Majitar, Sikkim. India, 28 th -30 th Dec., 2008

2. Glo-cal crises & Environmental Governance in North -Eastern Regions of India	Assam University, Silchar & ONGC, Ltd	Nov. 11-13, 2013, Assam University, Silchar
3. 4 th International Congress of Chemistry and Environment Conference ICCE – 2009.	Research Journal of Chemistry and Environment & Chemical Society of Thailand and Ubonratchatani University, Thailand.	Ubon Ratchathani, Thailand. 21 st – 23 rd Jan, 2010.
4. Third International Annual Conference on Drug Discovery and Development- Challenges in Partnership	South Asian Chapter of American College of Clinical Pharmacology.	Mumbai, 2 nd – 4 th Oct., 2009
5. Buddhism and 21 st century.	Min.of Culture, Govt. of India.	Bodhgaya. 4 th -6 th Feb., 2007.
6. Innovations in Biotech. and their applications.	RGBC, RSTM Nagpur Univ. Nagpur.	Nagpur. Dec, 2006.
7. Chemistry Biology Interface: Synergistic New Frontiers	Delhi University, New Delhi.	New Delhi. 21 st – 26 th Nov. 2004.
8. 3 rd International conference on Trends in Life Sciences	Dept. of Aquatic Biology, Trivandrum University.	Trivandrum. 2000.
National Conference/Symposium		
9. Bioactive compounds: New Frontiers and Therapeutic Usage.	Dept. Of Life Sciences, SRTR University, Nanded.	Nanded 25 th –26 th Feb., 2005.

10.Recent Trends in Microbial Fermentations	Dept. of Microbiology SGM College, Karad	Karad 27 th – 28 th Dec, 2012
10 .Biodiversity and Physiology of Aquatic Resources in Sustainable Development for Rural Livelihood	Dept. of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	Aurangabad 24 th -25 th Oct, 2009
10.Human Health and Nutrition: A Biotechnological Approach	Botany Dept. B.N Bandodkar college of Science.	Thane. 12 th -13 th Dec., 2004.
11.26 th National Symposium on Bioresources, Environment and Society.	P.G Dept. of Botany University Of Jammu.	Jammu Tavi. 16 th - 18 th Oct., 2004.
12.Biotechnological Approaches Towards the Integrated Management of Crop Diseases	Dept. of Botany, Dr. B.A.M University.	Aurangabad 30 th –31 st July, 2004.
13.“Aquaculture”- prospects and Problems	Dept of Zoology, The Institute of Science.	Mumbai. 27 th –29 th Mar., 2004
14.Bioresources, Biotechnology and Bioenterprise	Dept. Of Zoology, Osmania University.	Hyderabad 19 th - 21 st Nov., 2003
15.Save the planet and Meditation retreat	Scientist and Eng. wing and Rajyog trust and Res. Soc.	Mount Abu. 9 th – 12 th Sept., 2000.

C. AWARDS RECEIVED

I- Best Teacher Award, University of Mumbai (Academic Year, 2011-12),

II. Best Paper Awards in the Conferences/Symposium

1. Best Paper (First prize, Rs. 10,000/-)

Bindu Maurya, **B. L. Jadhav** and Amit Patil. “Activity guided isolation of bioactive coumarin from *Sonneratia apetela* Buch. Ham. An International 2nd Biotech Congress on **Innovations in Biotechnology and their Applications**. Held at RGBC, R.T.M. Nagpur University, Nagpur 18th- 21st Dec. 2006.

2. Best Paper (Consolation prize, Rs. 1000/-)

Aarti Ghosalkar and **B. L. Jadhav**. “Isozyme and RAPD analysis of genetic diversity And population genetic structure of *Labeo rohita* in India. An International 2nd Biotech Congress on **Innovations in Biotechnology and their Applications**. Held at RGBC, R.T.M. Nagpur University, Nagpur 18th- 21st Dec. 2006.

3. Best Poster (First Prize).

Nisha Shah and **B. L. Jadhav**. “Isolation and phytochemical analysis of bioactive essential oil from *Aegiceras corniculatum*”. **Bioactive compounds: New Frontier and Therapeutic usage** held at Dept. Of Life Sciences, SRTR University, Nanded. 25th-20th Feb, 2005.

4. Best Paper (First Prize).

Vartak, Meghana A. Ghosalkar and **B. L. Jadhav**. “Alcohol production from *Carrisa carandas*”. **26th National symposium on Bioresources, environment and Society** Held at P.G. Dept. of Botany, University of Jammu, Jammu Tavi, 2005.

5. Best Paper (Second prize)

Shah Nisha and **B. L. Jadhav**. “Isolation of bioactive essential oil from *Aegiceras corniculatum* ”. National Seminar on Medicinal Plants’ held at K. V. Pendharkar College, Dombivali, Mumbai 2005.

6. Best Paper (First Prize).

Archana Kale and **B. L. Jadhav**. “Composite Bioinoculants, its viability and effects on growth of Indian Mustard *Brassica juncea*”. National seminar (Sponsored by UGC) on **Advances in Microbiology: A boon to mankind** held at Birla college of Arts, Science and Commerce, Kalyan, Maharashtra, 26-27th June, 2004.

7. Best Paper (Second Prize)

Shah Nisha and **B. L. Jadhav**. “Antimicrobial Screening of Two Mangrove plants occurring Mumbai coast *Salvadora persica* and *Avicennia officinalis*”. National Seminar on ‘**Advances in Microbiology: A Boon to Mankind**’ held at Birla College, Kalyan, 2004.

8. Best Paper (First Prize).

D. Jaimini and **B. L. Jadhav** (2004). Studies on the protein extraction of mango (*Mangifera indica*) seed endosperm. National Symposium on “**Bioresources, Biotechnology and Bioenterprise**” held at Dept. of Zoology, Osmania University, Hyderabad, and 19th-21st Nov., 2003.

9. Best Paper (Silver medal)

Shah Nisha and **B. L. Jadhav**. “Screening of the Antimicrobial Properties of *Acanthus illucifolius* and *Excoecaria agallocha*”. 3rd International & 15th National Symposium on “**Recent Trends In Life Sciences**” held at Bangalore, 1999

Papers presented in Conferences/ Symposium/ Seminar

1. International conferences: 13

2. National conferences: 31

IV. Research Project Carried out

Title of the Project	Name of the Funding Agency	Duration	Remarks
1. Antimicrobial activity of grasses of Bombay locality.	Lady Tata Memorial Trust, Parel, Mumbai (1995).	One year	Completed
2. Screening of mangrove species along the Bombay coast for Antimicrobial properties	Lady Tata Memorial Trust, Parel, Mumbai (1996).	One year	Completed

V. ADMINISTRATIVE EXPERIENCE

1. Member on following Bodies/Committees of University of Mumbai

- Board of College and University Development
- University Budget committee
- Unfair Means Committee
- Advisory Committee of National Service Scheme (NSS)
- University Examination vigilance committee
- Vice Chancellor's Fund Committee
- Vice Chancellors Nominee on Selection committee of College Teachers
- VCD Ph. D guideline committee for PET

- Steering Committee for NAAC
- Board of Studies in Life Sciences
- Syllabus committee of M.Sc. courses in the Biotechnology and Life Sciences subject
- University Campus Development Cell
- Convener: Backward Community Existing Scheme Monitoring Committee
- Inquiry Committee for Admissions of Backward Community Students
- Fact finding committee of non teaching staff
- Career Advancement Scheme of University Teachers
- Organizing Committee, Indian History Congress

- **Departmental Committees:** Member, on following committee to carry out various administrative works of Department as follows.
 - i) Advisory body
 - ii) Purchase committee
 - iii) Admission committee
 - iv) Organizing committee of various conferences/ symposia/ seminars

2. Member of Bodies/Committees other than University of Mumbai

- Advisory Board, **Fishery Survey of India (FSI)**, A Central Government Organization involved in the stock assessment of National fish resources.
- Staff Selection, Government of India
- Subject Expert on Selection committee, DAH University, Indore and Pune University, Pune
- Board of Studies in Biotechnology, SRT University, Nanded
- Research Fellow Selection Committee: Central Institute of Fisheries Education (CIFE), Mumbai. A Deemed University of Fisheries.

- Local Advisory Committee, Elphinstone College, Mumbai
- Local Management Committee, Siddharth College of Arts, Science & Commerce

VI. Editorial Board Member:

- Research Journal of Biotechnology
- Journal of Fisheries Association
- Journal of Empirical Biology
- Journal of Recent Trends in Life Sciences

VII. Examination Experience :

Ph. D. Thesis evaluation : Ph. D. Thesis evaluated for several Universities.

M. Sc. Examinations: 20 years of experience in conducting Post Graduate Examinations as **Chairman, Moderator, Paper setter etc.**, in the Subjects of **Life Sciences, Biotechnology and Biophysics** for University of Mumbai and other Universities of Maharashtra.

VIII. Visits Abroad:

1. **Iran:** Delivered lecture at Health Sciences University, Arak, Iran. 19th -26th May, 2009
2. **Thailand:** Presented paper in International conference at Ubon Ratchathani, Thailand. 21st – 23rd January, 2010.

IX. SOCIAL ACTIVITIES

- **President:** University of Mumbai Academic Staff Association
- **Conferences organized on** various social issues to develop understanding in common masses with respect to social, economic, cultural aspects of society and also to establish harmony among the people.
- **Farmers counseling;** A few camps were organized in villages of Jalna District to implement advanced farming project.
- **Extension:** Research knowledge obtained from practical research especially on the medicinal properties of mangrove plants, spread to the common people around coastal area for the protection of mangrove vegetation with respect to its folkloric properties and other uses. Similarly for other medicinal plants, rural people of interior Maharashtra were made aware.
- Counseling of backward community students for attracting them to higher education and research.
- Students were guided for higher education in abroad.
- Guidance given to the students regarding SET/ NET/ other competitive examination.