

CURRICULUM VITAE

Dr (Mrs) Anita Surendra Patil
Professor

Lab No. 106, Plant Secondary Metabolite Lab,
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Residential Address : 33, "Fulore" Yogiraj nagar, New Camp, Tapovan, Amravati

Area of specialization: 1. Secondary Metabolites 2. Microbial
Biotechnology

Education

Post Doc. UGC fellowship (2011)

Ph.D. Biotechnology: SGB Amravati University, (M.S) India (2003)

NET, Biotechnology (1999)

M.Sc. Biotechnology: SGB Amravati University, (M.S) India (69.90%) 1996

B.Sc. Microbiology: SGB Amravati University, (M.S) India (75.03%) 1994

Research Publications

Research papers - 52

Research Projects: 10

Popular articles - 15

Books - 02 (edited) (01 – under preparation Studera Press, Delhi)

Patents - 06

Research Guidance

Ph.D. Awarded - 06, Registered -04; Submitted 02

M.Phil-2

M.Sc. Dissertations- 80

A. Research Publications

Publications

1. Anita Surendra Patil, Hariprasad Madhukarrao Paikrao, Ankit Subhash Kale, Surendra Raghoba Manik (2017). A TLC-Direct Bioautography Method for Detection of Antiuro lithiatic Metabolites. *J Chromatogr Sci* 2017 1-7. doi: 10.1093/chromsci/bmx002 (**Oxford**)
2. Bipin D. Lade and Anita S. Patil (2017). Silver nano fabrication using leaf disc of *Passiflora foetida* Linn. *Appl Nanosci*. DOI 10.1007/s13204-017-0558-y (**Springer**)
3. Ankit Subhash Kale, Anita Surendra Patil, Hariprasad Madhukarrao Paikrao (2017). A modified TLC bioautographic technique for the detection of antilithiatic potential of therapeutic plants from Indigenous Ayurvedic System. *Pharm Methods*. 8(1): 209-212.
4. Kalbande, B. B., Patil, A. S., 2016. Cloning and characterization of NPR1 gene from *Arabidopsis thaliana* ecotype Col-0. *Int. J. Curr. Res. Biosci. Plant Biol*. 3(2), 15-26. doi: <http://dx.doi.org/10.20546/ijcrbp.2016.302.003>
5. B.B. Kalbande, A.S. Patil (2016). Plant tissue culture independent *Agrobacterium tumefaciens* mediated In-planta transformation strategy for upland cotton (*Gossypium hirsutum*). *Journal of Genetic Engineering and Biotechnology* (2016), <http://dx.doi.org/10.1016/j.jgeb.2016.05.003> (**Elsevier**)
6. Anita Surendra Patil, Ankit Subhash Kale, Surendra Rajaram Patil, Hariprasad Madhukarrao Paikrao (2016). Validation of accumulation of camptothecin content, an anti-cancer alkaloid in *Nothapodytes nimmoniana* graham. in phenotypic variants: method for identifying high-yielding sources of alkaloid. *International Journal of Pharmacy and Pharmaceutical Sciences*. Vol 8, Issue 9, pp 19-23.
7. Shital Sharma, Anita Patil, R L. Sikarwar (2016). Comparative phytochemical evaluation of ethnobotanically important medicinal parasitic herb: *Alectra chitrakutensis*. *International Journal of Pharmacy and Pharmaceutical Sciences*. ISSN- 0975-1491 Vol 8, Issue 4.
8. Anita S Patil, Surendra R Patil, Ankit S Kale (2015). Influence of growth Regulators on germination and growth of endangered medicinal plant *Nothapodytes nimmoniana* j.graham under shade net conditions, *Global J Res. Med. Plants & Indigen. Med.*, Volume 4(1): 01–09.
9. B.B. Kalbande, A.S. Patil (2016). Plant tissue culture independent *Agrobacterium tumefaciens* mediated In-planta transformation strategy for upland cotton (*Gossypium hirsutum*). *Journal of Genetic Engineering and Biotechnology* (2016), <http://dx.doi.org/10.1016/j.jgeb.2016.05.003> (**Elsevier**)
10. **Anita Surendra Patil**, Hariprasad Madhukarrao Paikrao, Ankit Subhash Kale, Surendra Raghoba Manik (2015). Effect Of Aqueous Extracts From Therapeutic

Plants From Indigenous Ayurvedic System On *In Vitro* Calcium Oxalate Crystallization In Human Urine. *Current Traditional Medicine*, 2015, 1, 193-202.
Bentham science

11. Girish C. Kamble, Harshalata J. Petkar, **Anita S Patil** (2015). Biotechnological Study of Mutagenic Effect on Flowering and Fruiting Pattern in Wild Chickpea. *International Journal of Science and Research (IJSR)*. Volume 4 (3).
12. **Anita Patil**, Surendra Patil, Shubhada Mahure and Ankit Kale (2014). UV, FTIR, HPLC Confirmation of Camptothecin an Anticancer Metabolite from Bark Extract of *Nothapodytes nimmoniana* (J. Graham). *American Journal of Ethnomedicine*. Vol. 1, No. 3, 174-185.
13. **Patil AS** and GC Kamble (2014). Comparative protein profiling study in wild chickpea and its Induced mutants. *The Experiment*. Vol. 18(4), 1297-1303.
14. Kamble G.C. and **Patil A.S** (2014). Comparative mutagenicity of EMS and gamma Radiation in wild chickpea. *International Journal of Science, Environment*. Vol. 3, No 1, 166 – 180.
15. Bipin Lade, **Anita Patil** and Hariprasad Paikrao (2014). Efficient genomic DNA extraction protocol from medicinal rich *Passiflora foetida* containing high level of polysaccharide and polyphenol. *SpringerPlus* 2014, 3:457.
16. 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.
17. **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
18. 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)
19. Bipin Deochand Lade, **Anita Surendra Patil**, Surendra Rajaram Patil, Hariprasad Madhukarrao Paikrao (2014). Preliminary Observation of *Acraea Viola*: A Natural Enemy of *Passiflora Foetida*. *Discovery Nature*, 9(19), 1-10.
20. Patil AS, Kale AS and Paikrao HM (2014). 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*.1(6): 4.
21. **Patil A.S** and Paikrao H.M (2013). *Passiflora foetida* L. : a complete morphological And phytopharmacological review. *Int J Pharm Bio Sci*. vol. 4(1): (p) 285 – 296.
22. Manjusha Chakranarayan and **Anita Patil** (2013). Comparison of microscopic, macromorphological producing capabilities of *Aspergillus* species associated with rhizosphere of groundnut (*A. hypogaea* L.). *Journal of Chemical, Biological and Physical Sciences*. Vol. 3, No. 2, 1327-1337.

23. **Anita Patil**, Aarti Laddha, Ashwin Lunge, Hariprasad Paikrao and Shubhada Mahure (2012). *In vitro* antagonistic properties of selected *Trichoderma* species against tomato root rot causing *Pythium*. *International Journal of Science, Environment and Technology*. Vol. 1, No 4, 2012, 302 – 315.
24. Ashwin Lunge and **Anita Patil** (2012). Characterization of efficient chitinolytic enzyme producing *Trichoderma* species: a tool for better antagonistic approach. *International Journal of Science, Environment and Technology*, Vol. 1, No 5, 2012, 377 – 385.
25. **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.
26. **Anita S Patil** and Ashwin Lunge (2012). Strain improvement of *Trichoderma harzianum* by UV mutagenesis for Enhancing it's biocontrol potential against aflotoxigenic aspergillus species. *The Experiment*. November, Vol. 4(2), 228-242.
27. **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.
28. A. S. Patil, A. Laddha, A. G. Lunge, H. M. Paikrao, S. Mahure (2012). In vitro antagonistic properties of selected *Trichoderma* species against tomato root rot causing *Pythium* species. *Int J. Sci Env and Tech*. 1(4); 302-315.
29. H. M Paikrao, **A.S Patil**, V.S Gaikwad, R.D Dhore, P.S Ambaikar S. Bande (2010). 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).
30. **Anita Patil** (2010). Exploring *Passiflora incarnata* L. : A medicinal plant secondary metabolites as antimicrobial agent. *Journal of Medicinal Plants Research*. Vol 4(4). pp 1496-1501.
31. **Anita Patil**, Aruna Deshmukh, Shivaji Deshmukh, Jitesh Khadse, Swapna Khade and Surendra Patil (2009). Microbial pretreatment of lignocellulosic biowaste for biogas, value added mushrooms and compost: A recalcitrant recycling tool. *International Journal of Ecol. Env and cons*. 15 (1) pp 99-103.
32. **Anita Patil**, Aruna Deshmukh and Vaishali Dhanokar (2009). Development of Rapid Method for the measurement of total microbial activity during fluorecein diacetate (FDA) in compost prepared from agrowaste combination. *Amravati University Res. Journal*. vol. IV (1). 24-28.
33. **A.S Patil**, M.R Charkranarayan and P.K Khandelwal (2009). Antimicrobial efficiency of volatile and non volatile secondary metabolites from *Trichoderma* species against pathogens. *J. Pl. Dis. Sci*. vol 4(2): 170-172.
34. Deshmukh, A. S and **A. S. Patil** (2008). Biological Efficiency Of Different *Pleurotus*

Species On Lignocellulosic Agrowastes. *Journal of Plant Disease and Sciences*. Vol 3(1); 68-70.

35. A.S Desmukh, **A.S Patil** and J.K Khadse (2008). Bioefficiency of different *Pleurotus* species on lignocellulosic agrowastes. *J. Pl. Dis. Sci.* vol 3(1): 68-70.
36. **Anita Patil**, Jitesh Khadse and Surendra Patil (2007). Effect of chemical mutagen ethyl methane sulphonate (EMS) on the wild Pisum seeds physiology, morphology and yield. *Indian J. Applied and Pure Bio. Vol.*, 169-174.
37. **Anita Patil** and Namrata Chabrani.(2005). Screening the antimicrobial activity of *Moringa olifera* (L) against plant pathogen.(2005). *Journal of Plant diseases and Sciences*. Vol 1 (1). 50-53.
38. **Anita Patil** (2004). Enhancement of chymotrypsin activity in biphasic liquid system (Chloroform: water). *Amravati University Research Journal* 1(1). 87-90.
39. **Ramteke, A.P** (2003). Establishment of *Phanerochate chrysosporium* on unsterile straw in solid state substrate fermentation system for lignin degradation. *Journal of Microbial world*. Vol. 6 (1).72-75.
40. Ingale, A.G **Ramteke, A.P** and Chikhale N.J (2003). Studies on Nitrogen fixing bacteria from maize rhizosphere soil of Amravati. Amravati University, Research Bulletin. 1(2). 39-41.
41. Patil S.R, M M Dhamke and Patil A.S (2003). Studies on seasonal changes in developing fruits of Nagpur madarian (*Citrus reticulata* Blanco) under Katol conditions. *Indian Journal of citriculture*. 2(1) 34-37.
42. **Ramteke A.P** and Patil, S.R. (2003). Weed management in citrus. *Agrobios*. Vol. 2 (5). PP. no. 11-13.
43. **Ramteke A. P** ; Kalore B. R and Patil S.R.(2003). Evaluation of antifungal activity of *Withania somnifera* against fungal root infections in citrus. *JNKV Research Journal*. 109-110. Vol 37 (1).

Book Chapters

44. Anita Patil, Surendra Patil and Hariprasad Paikrao (2016). *Trichoderma* secondary metabolites: their biochemistry and possible role in disease management. Book Chapter In book: **Microbial- mediated Induced systematic resistance in Plants**. Chapter 6, pp 69-102. Edited by Dr Devendra Choudhary and Dr. A. K Verma. Springer. ISBN 978-981-10-0387-5 ISBN 978-981-10-0388-2 (eBook) DOI 10.1007/978-981-10-0388-2
45. **Anita Patil** and Bipin Lade (2015). Pharmacological aspects of *Tribulus terrestris* Linn. (Goksura): progress and products. **Therapeutic medicinal plant: From lab to the market**; Chapter 18. Edited by Marta C.T. Duarte, Mahendra Rai. CRC press Taylor and Francis.
46. AS Patil and **MR Chakranarayan** (2016). Production and characterization of *Trichoderma* metabolites: a new approach for selective bioremediation. In book-

Recent Trends in PGPR Research for Sustainable Crop Productivity, Chapter 4, pp 29-50. PGPR society. **SCIENTIFIC PUBLISHERS (INDIA)** ISBN: 978-81-7233-990-6.

47. **Ramteke A. P**; Chikhale N. J and Patil S.R.(2004). Lignin Biodegradation : A clean technology for paper industry.(2004). *In: Biotechnology in Environment management.* 75-100. Ed. G.R Pathade and P. K Goel. ABD publisher Jodhpur.
48. **Ramteke A. P**; Chikhale N. J and Patil S.R.(2004). Lignin degradation by white rot fungi *Phanerochate chrysosporium*: A Review. *In: Biotechnological Applications in Environment and Agriculture.* 189-205. Ed. G.R Pathade and P. K Goel. ABD publisher Jodhpur.
49. **Ramteke A. P** ;Dhundi R. M and Chikhale N. J. (2004). Production, extraction, purification and identification of Aflatoxin produced by *Aspergillus niger* from rhizosphere of *Cajanus cajan* (L). 111-114. In Book: Recent Trends in Biotechnology (2004). Scientific Publisher Jodhpur.
50. Patil S.R. and **Ramteke A. P.** Fruit drop in different species of citrus. *In Book: Recent Trends in Biotechnology* (2004). Scientific Publisher Jodhpur. 149-155.
51. Ingale, A. G; Chikhale N.J and Ramteke (2004). Multiple sequence alignment and structure prediction of CD 40, CD 40L and tumour necrosis factors (TNF). *In Book: Recent Trends in Biotechnology* (2004). Scientific Publisher Jodhpur. 204-208.
52. Wadegaonkar P. A., Priti Dodia., **A. P. Ramteke**, N. J. Chikhale_and M. K.Rai (2004): Comparison of amino acid sequence of active site of L-arginase enzymes. In: Microbiology and Biotechnology for sustainable development (Ed.P.C. Jain) CBS Publishers and Distributors, New Delhi. 267-276.

B. Memberships of Scientific Societies

1. Life member, Biotechnological Associations of India
2. Life-member Indian Science Congress Association, (ISC) Calcutta.
3. All India Microbiological Association (AMI).

C. Research projects as PI (Completed and ongoing)

SNo	Title of project	Sanction No.	Total cost (In Lac)	Funding Agency
1	An inexpensive method for the determination of oxalate in urine and assessment of hyperoxaluria by nano- based paper strip technique.	RGSTC/File-2011/DPP-166/CR-42	Rs 34.76	Rajiv Gandhi Science and Technology Commission, Mumbai (Ongoing) 2017-20

2	Gamma irradiated enhancement of Artemisinin production from <i>A. annua</i> L. And process optimization in Bioreactor.	No.35/14/30/201 BRNS/35106	Rs 24.83	DAE, BRNS, BARC Trombay (Ongoing) 2016-2019
3	<i>In vitro</i> production and process optimization of Camptothecin (An Anticancer drug) from <i>N. nimmoniana</i> Graham: A rare Endangered medicinal plant from Western Ghats of Maharashtra.	F. No.42-212/2013 (SR)	Rs. 12.19	UGC, New Delhi (Completed)
4	Process Development And Characterization Of Antiuro lithic Activity Of Bioactive Metabolites Of Selected Medicinal Plants From Melghat Forest Region (Amravati)	RGSTC/File-2012/DPP-94/CR-12	Rs. 28.00	Rajiv Gandhi Science and Technology Commission, Mumbai (Completed)
5	Development Of Mutants Of <i>Trichoderma</i> Spp. Using UV Radiation And Protoplast Fusion: Determination Of Their Antifungal, Biochemical And Physiological Features.	No F 30-1/2009 (SA-III) (2009-2011)	Rs. 16.60	UGC (2009-11) Post Doc Research award (Completed)
6	" <i>In vitro</i> production and optimization of antimicrobial secondary metabolite i.e passicol from <i>Passiflora</i> species".	No SR/ CT/ LS-127/ 2008 (2009-12)	Rs. 19.53	SERC Fast Track DST, New Delhi (Completed)
7	Development Of Mutants Of <i>Trichoderma</i> Spp. Using UV Radiation And Protoplast Fusion: Determination Of Their Antifungal, Biochemical And Physiological Features.	No F 30-1/2009 (SA-III) (2009-2011)	Rs. 16.60	UGC (2009-11) Post Doc Research award (Completed)
8	Cultivation and biochemical analysis of wild edible mushrooms from Melghat area (Dist Amravati). Co- PI	F.No. 47-1388/10 -WRO (2008-10)	Rs. 1.55	UGC, New Delhi (Completed)
9	Study on seed protein content and protein pattern in gamma ray induced <i>Pisum</i> mutants.	F. No. 31-249/2005 (SR) (2005-07)	Rs. 1.0	UGC, New Delhi (Completed)
10	Isolation and characterization of fungi from acid environment.	(2002-04)	15,000=0	TREDA, SGB (Completed)

D. List of patent Published :

S.no	Name of Inventors	Title of invention	Application Number	Date of filing of application	Published date
1	Sant Gadge Baba Amravati University,	Method for selective extraction and	3299/MUM /2012	15/11/2012 CBR Number :	28/12/12

	Amravati Dr Anita Patil Mr. Hariprasad Paikrao	purification of stress induced antimicrobial metabolite from <i>Passiflora foetida</i> L.		15302	
2	Sant Gadge Baba Amravati University, Amravati Dr Anita Patil Mr. Hariprasad Paikrao	Process for elicitation of a stress induced antimicrobial metabolite in <i>Passiflora foetida</i> L.	3300/MUM/2012	Date of Filing : 15/11/2012 11:33:41 CBR No : 15302	21/12/12
3	Dr Anita Surendra Patil, Hariprasad Paikrao, Surendra Raghoba Manik, Surendra Rajaram Patil	Method for identification of metabolites possessing calcium oxalate stone inhibitory properties.	494/MUM/2013	Date of Filing : 20/2/2013 Docket no. 2896	10/07/15
4	Anita Surendra Patil, Hariprasad Paikrao, Ankit Subhash Kale, Surendra Rajaram Patil	Method for in vitro qualitative and quantitative detection of calcium oxalate inhibitory activity of plant extracts.	1501/MUM/2014	Date of filing : 29/4/2014	-
5	Anita Surendra Patil, Hariprasad Paikrao, Surendra Rajaram Patil, Bipin Lade	Method and process for the detection of adulterants present in Ayurvedic preparations.	4152/MUM/2014	25/12/2014 CBR NUMBER: 19172	-
6	Anita Surendra Patil, Hariprasad Paikrao, Surendra Rajaram Patil, Bipin Lade	Herbal Combination for treatment of Calculus Disease	201621008675	11/3/2016 CBR NUMBER: 4445	

E. Awards and Fellowships

- Dr. Babasahed Ambedkar utkrusta shaishanik and samajik karya Puraskar, 2006-07 (Indore, M.P)
- UGC fellowship for research award (2009-11)

F. Research guidance

Sr. No.	Name of student	Title	Status (Awarded/submitted/ongoing)
1.	Dr. Aruna Deshmukh	Bioconversion of lignocellulosic crop residues by mushroom cultivation.	Awarded (2010)
2.	Dr. Girish Kamble	Comparative mutagenicity of gamma rays and ethyl methane sulphonate to improve the genome in some species of Cicer species.	Awarded (2013)
3.	Dr. Ashwin	Strain improvement of Chitinolytic enzyme	Awarded

	Lunge	producing selected Trichoderma species for enhancing its's biocontrol potential .	(2014)
4.	Ms. Manjusha Chakranarayan	Production and characterization of Aflatoxin inhibiting secondary metabolites produced by selected Trichoderma species.	Awarded (2016)
5.	Mr. Hariprasad Paikrao	Antimicrobial secondary metabolites produced by Passiflora species: preparation, physicochemical characterization and its in silico pharmacokinetics.	Awarded (2016)
6.	Mr. B. B Kalbande	Information to RCGM to carryout research involving preparation of rDNA construct involving NPR1 gene and its transformation in <i>Gossypium hirsutum</i> cv LRK-516 to improve it's agronomic traits.	Submitted (2016)
7.	Ms. Shital Sharma	Pharmacognostical standardization, In vitro propagation and comparative evaluation of antimicrobial secondary metabolite of <i>Alectra Chitrakutensis</i> (Rau) R. Prasad and R.D. Dixit.	Submitted (2017)
8.	Ms. Shubhada Mahure	Induction and elicitation of bioactive metabolites of <i>Catharanthus roseus</i> L. using biotic elicitors.	Ongoing (2011)
9.	Mr. Bipin .Lade	Biochemical and molecular approaches for characterization of wound stress induced antimicrobial metabolites in <i>Passiflora foetida</i> Linn.	Ongoing (2012)
10.	Mr. Ankit Kale	Validation of Antiurolithiatic activity of selected ethanomedicinal plants from Melghat forest region Amravati District.	Ongoing (2013)
11.	Mr. Gaurav Ajane	Purification, characterization and elicitation of cytotoxic secondary metabolites from <i>Passiflora</i> species.	Ongoing (2015)

G. International Visits

1. Invited by Prof. Dr Le Huy Ham, Director General, Tu Liem North, Hanoi, Vietnam on May 8-9, 2015- Academic visit, discussion and Lecture at Institute of Agricultural genetics, Vietnam Academy of Agricultural Science.
2. Invited by Dr Nguyen van Tuyen, Director and Assoc. Prof Dr. Trinh Thi Thuy, Head of natural Product research laboratory, 18 Hoang Quoc viet, Hanoi, Vietnam May 10, 2015 for Academic visit and collaborative project to Institute of Chemistry, Vietnam Academy of Science and Technology, Institute of chemistry.

H. Books

1. Recent Trends in Biotechnology (Editor) Scientific Publication, Jodhpur.
2. "Santra". Dhanyalaxmi Publication, Aurangabad (M.S).
3. Phytosecondary metabolites: isolation, characterization and their biological properties. STUDERA PRESS (Jain Publication 2015 in press)

J. Professional experience (past & present)

S.No	Post held	Name of Employer	Date from –to
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1	Lecturer (Selected)	SGB Amravati University, Amravati	9-12-96 to 8-6-2004
2	Reader (Selected)	SGB Amravati University, Amravati	8-6-2004 to continued
3	Associate Professor	SGB Amravati University, Amravati	9-6-2010
4	Professor (CAS)	SGB Amravati University, Amravati	9-6-2010

K. Professional recognitions

1. Managing Editor, Biotechnology Section of *Journal of Biological Sciences and Disease*, Dr. Panjabrao Krishi Vidyapeeth, Akola, (Central India). From 2005.
2. Member, Advisory committee, Buddhist study center SGBAU (2017)
3. Editorial member, *Austin J Biotechnol Bioeng.*(2015)
4. Member Board of Studies, Biotechnology Board (2015). SRTM University, Nanded.
5. Member, Advisory committee, Dr Babasahed Ambedkar study center SGBAU (2015)
6. Member, Advisory committee, Buddhist study center SGBAU (2015)
7. Secretary, Institutional Animal Ethical committee, Sant Gadge Baba, Amravati University, Amravati.
8. Member, Institutional Biosafety committee, Sant Gadge Baba, Amravati University, Amravati.
9. Member, Women grievance committee, SGB, Amravati University, Amravati (2003).
10. In charge, Day care center (2005-08). UGC sanctioned scheme.
11. Secretary, Women Association, Sant Gadge Baba, Amravati University, Amravati. (2002-05)
12. Team manager, Inter University Science festival, AVISKAR- , 2004; 2005, 2008
13. Recognized Ph.D supervisor, Biotechnology subject, Sant Gadge Baba, Amravati University, Amravati.
14. Recognized M. Phil supervisor, Agalgappa University, Karnataka.
15. Member, National science Day.
16. Member, Biotech Village Program form Lab to field.
17. Organizing secretary in National conference, 2013

L. Refresher/ orientation workshop attended

1. Refresher course in life sciences. 5- 27 June 2000. Organized by SGB Amravati University, Amravati (M.S).
2. Orientation course 2- 25 june 2001. Organized by Amravati University, Amravati (M.S).
3. Workshop on "Capacity Building of women managers in Higher Education" Sponsor by UGC, Organized by SGB Amravati University, Amravati, 4-8 Feb, 2008.

4. Short term training on Processing of Indian/foreign Patent Application, at National Int. of Instinctual Property management, Nagpur, 3-4 Jan 2011.
5. State level workshop on Free open source softwears (FOSS) at Shri Shivaji Science College, Amravati 21-23rd July, 2011
6. National Workshop on "Applications of Chromatographic Techniques in Phytochemical Analysis" Organized by Govt College of Pharmacy, Amravati , 3-4 Oct, 2011.
7. International Pre conference workshop on "Publishing your Research Works in Impact Journal", Organized by School of Natural Product Research, Jadavpur University, Kolkata, 17 Feb, 2012.
8. National Seminar on "Frontiers in Biotechnology and Bioinformatics" NS-FIBB-2007, Feb 2-3, 2007, Organized by Dr. D Y Patil University, Mumbai.
9. Workshop on "Capacity Building of women managers in Higher Education" Sponsor by UGC, Organized by SGB Amravati University, Amravati.

M. Paper Presented / Abstract Published In Conferences

International conference

1. **Anita S Patil** and Manjusha R Chakranarayan (2015). "**Production and characterization of Trichoderma metabolites: A new approach for selective bioremediation**" 4th Asian PGPR Conference for sustainable Agriculture. May 3-6, 2015. Hanoi, Vietnam.
2. **Anita S. Patil** and Surendra Patil (2016). *In vitro* antagonistic properties of selected Trichoderma species against tomato root rot causing Pythium species in various culture techniques. 6th international conference and Indian chapter of Asian PGPR satellite workshop. PGPR for sustainable crop productivity, Feb 23-27, 2016. NASC Complex, New Delhi,

National conference

3. **Ramteke, A. P;** Kadu, B. B (1998). Chymotrypsin activity in biphasic liquid system (water - organic) under different conditions. National conference on frontiers in Biotechnology, Feb.5 - 7. Govt. Institute of science, Aurangabad, p- 23.
4. **Ramteke, A. P;** Kadu, B. B and Gorde, C. W (1999). Production and characterization of extra cellular lipase from *A. niger*. State level symposium on Recent Trends in Biotechnology for Rural and Industrial Development. March 20-21, Latur.
5. **Ramteke, A. P;** Kadu, B. B and Rangankar, U. K (1999). Clonal propagation of ginger using tissue culture. State level symposium on Recent Trends in Biotechnology for Rural and Industrial Development. March 20-21, Latur.
6. **Ramteke, A.P;** Wadegaonkar, P. A; Kadu, B. B; Soundhale, R. V. and Vaidya, L. N (1999). Production and Characterization of extra cellular protease from bacteria.

State level symposium on Recent Trends in Biotechnology for Rural and Industrial Development. March 20-21, 1999. Latur.

7. **Ramteke, A.P;** Kadu, B. B (2000). Studies on isolation and screening of lignin degrading bacteria. National Conference On Recent trends In Biotechnology, Amravati University, Amravati. Feb. 3-5, Cp-48.
8. **Ramteke, A.P;** Kadu, B. B and Dhundi, R. M (2000). Production, extraction, purification and identification of aflatoxin from *A. niger*. National Conference On Recent trends In Biotechnology, Amravati University, Amravati. Feb. 3-5, Cp-71.
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