

**Bharati Vidyapeeth Deemed University**  
**Rajiv Gandhi Institute of IT and Biotechnology, Pune**

## Research Publications

Sr. No	Particulars of Publications
<b>Establishment of the institute : 2003- 04</b>	
	2003-05 : B.Sc. Biotechnology program only
	2005-07 : M.Sc. Biotechnology program added
	2007-09 : Research program initiated
<b>International Publications 2008-09 (02)</b>	
1	G G Adsul , D G Patil, A V Dhake, U V Pandey, P V Sane & <b>R M Kothari</b> , A new source of male sterility in onion <i>Allium cepa</i> L., , Internat. J. Biotech. Biochem., 4(2008) 173 – 180.
2	Adsul, G.G., Dhake, A.V. and <b>Kothari, R.M.</b> , Biotechnology as a linkage between supply chain for onion processing and improvement of farmers' livelihood: A case study, J. Commer. Biotechnol, (2009) 17-22.
<b>International Publications 2009-10 (05)</b>	
1	Chavan P, Mane S, Kulkarni G, <b>Shaikh S</b> , Ghormade V, <b>Nerkar D P</b> , Shouche Y and Deshpande M V, Natural yeast flora of different varieties of grapes used for wine making in India. Food Microbiol., 26 (2009) 645-651.
2	Ehsan B R, Awad V & <b>Bipinraj N K</b> , Antimicrobial activity of the ethanolic extract of <i>Bryonopsis laciniosa</i> leaf, stem, fruit and seed. Afr. J. Biotechnol., 8 (2009) 3565-3567.
3	Suryawanshi P C, Kirtane R D, Chaudhari A B and <b>Kothari R M</b> , Conservation and recycling of pomegranate seeds and shells for value addition, J. Renewable Sustain. Energy 1 (2009) 13107.
4	Jadhav G G, Salunkhe D S, <b>Nerkar D P and Bhadekar R K</b> , Isolation and characterization of salt-tolerant nitrogen-fixing microorganisms from food. <i>EurAsia J. Bio Sci.</i> , 4 (2010) 33-40.
5	Jadhav G, Salunkhe D, <b>Nerkar D P and Bhadekar R</b> , Novel <i>Staphylococcus</i> sp isolated from wall scrapings of a historical building in India, <i>Ann. Microbiol.</i> , 60 (2010) 197-201.
<b>National Publications 2009-10 (09)</b>	
1	Yadav A K, Chaudhari A B and <b>Kothari R M</b> , Cost-effective fermentative production of calcium lactate using BISS (Below Indian Standard Sugar) and <i>Spirulina</i> hydrolysate. <i>Indian J. Biotechnol.</i> 8 (2009) 418-424.
2	Adsul G G, Chaurasia A K, Dhake A V and <b>Kothari R M</b> , RAPD analysis of phylogenetic relationship(s) and genetic variation(s) in the genus <i>Allium</i> . <i>J. Adv. Biotechnol.</i> 9 (2009) 10-13.
3	Adsul G G, Dhake A V and <b>Kothari R M</b> , Biotechnology as a linkage between supply chain for onion processing and improvement of farmers' livelihood: A case study. <i>J. Commer. Biotechnol</i> , August (2009) 17-22.
4	Kamble S Y and <b>Singh E A</b> , Ethnobotany of <i>Thaker</i> tribe of Maharashtra. <i>J. Econ. Taxo. Botany</i> , 33 (2009) 95-122.
5	Adsul G G, Patil D, Dhake A V and <b>Kothari R M</b> , Short-day onion improvement

	program in India for producing dehydrated products. <i>Biotechnol. Rev.</i> 3 (2009) 116-124.
6	Kirtane R D, Suryawanshi P C, Patil M R, Chaudhari A B and <b>Kothari R M</b> , Optimization of organic loading rate for different fruit wastes during bi-methanation. <i>J. Sci. Ind. Res.</i> 68 (2009) 252-255.
7	Yadav A K, Chaudhari A B and <b>Kothari R M</b> , Enhanced viability of <i>Bacillus coagulans</i> after spray drying with calcium lactate, storage and re-hydration. <i>Ind. J. Chem. Technol.</i> 16 (2009) 519- 522.
8	G G Adsul, A V Dhake and <b>R M Kothari</b> , Marker assisted selection (MAS) for male sterility in onion, <i>J Herbal Sci. Tech.</i> , 11(2009), 12-18.
9	Kamble S Y, Patil S R, Sawant P S, Sawant S P and Singh E A, Traditional medicines used by tribes of Pune and Thane districts for the treatment of upper respiratory tract disorders <i>J. Econ. Taxon. Botany</i> , 33 (2009) 682-687.

### Laboratory Manuals

Following laboratory manuals have been prepared for the benefit of B. Sc. and M. Sc. students so that practical are conducted with understanding their principles, procedures and scientific current underlying the protocol followed. This has been purposefully done so that students take practical seriously and sharpen their practical skills desired for securing placements in highly competitive job market.

1. Protocols of practical courses for M. Sc. Biotechnology semester I and II, S. G. Gangal and R. M. Kothari.
2. A manual of practical zoology for B. Sc. Biotechnology, semester I, S. K. Gaikwad.
3. Protocol book for M. Sc. Biotechnology semester III and IV, S. G. Gangal and R. M. Kothari

### International Publications 2010-11 (20)

1	Chaudhari A B and <b>Kothari R M</b> (2010), Microbial aspects of anaerobic digestion for biogas production, Environmental Science, Engineering and Technology. , Ed. Mason, AC. Nova Science Publ. Inc., USA (ISBN: 978-1-61324-420-3)
2	<b>Dipti Salunkhe</b> , Neha Tiwari, Sandeep Walujkar & <b>Rama Bhadekar</b> (2011) <i>Halomonas</i> sp. nov., an EPA-Producing Mesophilic Marine Isolate from the Indian Ocean. <i>Polish J Microbiol</i> 60: 73- 78.
3	<b>Moghe A S, Gangal S G, Palkar S H, Jaiswal S N</b> (2010). Antibody Response of Children Receiving Multiple Doses of Oral Polio Vaccine in Disease Free Area of India. <i>Asian J Epidemiol</i> 3(2):78-83.
4	Mule A, Patil R C, Jadhav U, Katchi V, Rao A J and <b>Gaikwad S K</b> (2010), Large scale production of oxy-tetracycline using <i>Streptomyces varsovances</i> , <i>Biosci Biotechnol. Res. Asia</i> , 7 (2). 813-818.
5	Patil A B, Vasane S R, Moharir K K and <b>Kothari R M</b> (2010), Contamination control

	and disease management of banana 'Grand nain' plantlets., <i>Acta Horti</i> , 865: 247-253.
6	Patil A S, Sable S.B. and <b>Kothari R.M</b> (2011). An update on transforming growth factor $\beta$ (TGF- $\beta$ ): Sources, types, functions and clinical applicability for cartilage/ bone healing. <i>J Cell. Physiol.</i> (IF: 4.78)
7	Patil R C, Patel J S, <b>Gaikwad S K</b> , Shouche Y S and Kulkarni G J (2010), <i>Bacillus sp.</i> RCP- JP -TW gene for 16S rRNA , Partial sequence, Accession AB 568110.
8	Phirke N V, Mahorkar V K and <b>Kothari R M</b> (2010), Sustainable banana ( <i>Musa spp.</i> ) production in the Tapi Basin : Khandeshi farmer's livelihood, <i>Acta Hort.</i> , 879:517-523.
9	<b>Sourav Mukherjee</b> , Swapnil Dugad, Rahul Bhandare, Nayana Pawar, Suresh Jagtap, Pankaj Pawar, Omkar Kulkarni (2011). Evaluation of free-radical quenching potential of Bramhi ( <i>Bacopa monnieri</i> ) and Mandookparni ( <i>Centella asiatica</i> ), <i>Int. J. Res. Ayurveda</i> , v.32(2); Apr-Jun 2011.
10	Suresh Jagtap, <b>Sourav Mukherjee</b> , Omkar Kulkarni, Teesy Joseph. Ethnobotanical study of traditional medicines of Gadchiroli district, Maharashtra, India, <i>Science and Society</i> , Vol. 8 No. 2, July-December 2010.
11	Suryawanshi P C, Chaudhari A B and <b>Kothari R M</b> (2010) , Mesophilic anaerobic digestion: first option for waste treatment in tropical regions, <i>Crit Rev Biotechnol</i> , 30(4) 259-82. (IF: 3.5)
12	Suryawanshi P C, Chaudhari A B and <b>Kothari R M</b> (2010), Thermophilic anaerobic digestion: the most desired option for waste treatment in near future, <i>Crit Rev Biotechnol</i> , 30:31-40. (IF: 3.5)
13	<b>Tupe R.</b> and Agte V (2010), Interaction of zinc, ascorbic acid & folic acid in glycation with albumin as protein model. <i>Biological Trace Element Research</i> , 138, 346-357. (Impact Factor - 1.127)
14	<b>Tupe R.</b> and Agte V (2010), Role of Zn along with ascorbic acid and folic acid during long term in vitro albumin glycation. <i>British J Nutrition</i> , 103: 370-377. (Impact Factor - 3.446)
15	<b>Tupe R.</b> and Agte V (2010). Interactions of water soluble vitamins in Zn transport of Caco-2 cells and their implications under oxidative stress conditions. <i>European J Nutrition</i> , 49, 1: 53-61. (Impact Factor - 2.86)
16	<b>Tupe R. S.</b> , Tupe S. G., Agte V. V (2011), Dietary nicotinic acid supplementation improves zinc uptake and offers hepatoprotection against oxidative damage. <i>British J Nutrition</i> , 105: 1741-49. (Impact Factor is 3.446)
17	<b>Tupe R. S.</b> , Tupe S. G., Tarwadi K. V., Agte V. V (2010). Effect of different dietary zinc levels on hepatic antioxidant and micronutrients indices under oxidative stress

	conditions. <i>Metabolism Clinical and Experimental</i> , 59: 1603-1611. (Impact Factor is 2.58)
18	Vasane S R, Patil A B and <b>Kothari R M</b> (2010), Bio-acclimatization of <i>in vitro</i> propagated banana plantlets 'Grand nain', <i>Acta Horti</i> , 865:217-224.
19	<b>Vipra Jadhav</b> , Manoj Jamle, Pravin Pawar, Mayur Devare & <b>Rama Bhadekar</b> (2010) Fatty acid profiles of PUFA producing Antarctic bacteria: correlation with RAPD analysis. <i>Ann Microbiol</i> 60: 693- 699.
20	Yadav A K, Chaudhari A B and <b>Kothari R M</b> (2011), Bioconversion of renewable resources into lactic acid: an industrial view, <i>Crit Rev Biotechnol</i> , 31: 1 1-19. (IF: 3.567)
<b>National Publications 2010-11 (08)</b>	
1	Abubaker A Z, Ehsan B R and <b>Bipinraj N K</b> (2010), Antimicrobial activity of six Indian spices, <i>ICFAI J Biotechnol</i> . 3:40-45.
2	Kamble S Y, Patil S R, Savant P S, Savant S, Pawar S G and <b>E A Singh</b> (2010), Studies on plants used in traditional medicine by <i>Bhilla</i> tribe of Maharashtra, <i>Indian Journal of Traditional Knowledge</i> , 9(3):591-98.
3	Kirtane R D, Suryawanshi P C, Chaudhari A B and <b>Kothari R M</b> (2010), Studies on biphasic biomethanation of spoiled mango puree, <i>Ind J Biotechnol</i> , 9:308-312.
4	<b>Meti, N.T. Bhadekar, R.K.</b> Fhalaki .M and <b>Nerkar D.P.</b> (2011) Cytological studies of indirect somatic embryogenesis in <i>Tinospora cordifolia</i> callus induced from leaf cultures, <i>Journal of Medicinal Plants Research</i> , 5(14) 3002-3006.
5	Pallavi M, Rekha R and <b>Neelambika M</b> , (2011), Micropropagation of strawberry via indirect embryogenesis from petiole cultures of cv. Sweet Charlie, <i>Indian Journal of Horticulture</i> , 68(1).
6	Vasane S, Patil A, <b>Kothari R M</b> (2010). Phenotypic characters of various off types identified in laboratory, primary and secondary hardening in tissue culture banana variety Grand naine. <i>Ind J Biotechnol</i> , 9:178-186.
<b>University Journals (2010-2011): (02)</b>	
1	N. Pawar, B. Nagarkar, <b>S. Mukherjee</b> , O. Kulkarni, P. Ranjekar, S. Jagtap (2010). Ethnobotanical goldmines for better motherhood: Threshold for biotechnology. <i>Bharati Vidyapeeth Deemed Univ. Res. J.</i> , vol. VIII (3), 41-47.

**Number of Books/Book Chapters/Laboratory Manuals written  
(2010-2011): 10**

1.  
Mukherjee S. (2011). An introduction to orchidaceous plants. LAP Lambert Academic Publishing GmbH & Co. KG, Dudweiler Landstraße 9966123, Saarbrücken, Germany. ISBN: 978-3-8443-1520-2.
2.  
Tupe R. and Agte V. Interactions of water soluble vitamins with zinc through cell, protein and animal models” in the book series “Mechanism of Action of Phytoconstituents” Vol. 31, pg. no.351-359, 2011, Studium Press, USA.
3.  
S. Gangal and A. Moghe (Feb-2010). Laboratory Manual for the practical course of 'Animal tissue culture'.
4.  
Laboratory Manual for practical course of Immunology compiled by Dr. Sudha Gangal (March-2010).
5.  
Laboratory Manual for the Practical Course of M.Sc. Biotechnology prepared by Dr. Sudha Gangal (March-2010).
6.  
Laboratory Manual for the practicals in Industrial Microbiology (M.Sc. Semester II) prepared by Dr. Rama Bhadekar, Mrs. Dipti Samarth and Ms. Dipti Salunkhe. (March-2010).
7.  
Laboratory Manual for the practicals in Genetic Engineering (M.Sc. Semester III) prepared by Dr. Rama Bhadekar, Ms. Vipra Jadhav and Mrs. Dipti Samarth. (March-2010).
8.  
Laboratory manual for practicals in Plant biotechnology for M. Sc. Students, Compiled by Dr. N. Meti and Mr. V. Rajapure. (March-2010).
9.  
Laboratory manual for practicals in Biochemistry for M. Sc. Students, complied by Dr. S.A. Shaikh, Dr. R.S. Tupe and Dr. S.D. Sontakke. (March-2010).

10.

Laboratory manual for practicals in Enzymology for M. Sc. Students, complied by Dr. S.A. Shaikh, Dr. R.S. Tupe and Dr. S.D. Sontakke. (March-2010).

### International Publications 2011-12 (14)

1	Yadav A K, <b>Bipinraj N K</b> , Chaudhari A B and Kothari R M,, Production of L(+) lactic acid from sweet sorghum, date palm and golden syrup as alternative carbon sources, Starch, 2011, 63, (10) 632-636.
2	Rachana Fulzele, Elisha DeSa, Amit Yadav, Yogesh Shouche and <b>Rama Bhadekar</b> , "Characterization of novel extracellular protease produced by marine bacterial isolate form Indian Ocean", Brazilian Journal of Microbiology 2011, 42, 4, 1364-1373.
3	Patil RC, Sonal M, Manohar, Katchi VI, Rao AJ, <b>Moghe AS</b> , Ethanolic stem extract of Excoecaria agallocha induces G1 arrest or apoptosis in human lung cancer cells depending on their p53 status. Taiwania (International Journal of Life Science), 2011.
4	Jajoo R.R, Biyani K.R., Salunkhe D.S. <b>Chunarkar P.N.</b> Effects of hepatoprotective formulation containing some indigenous medicinal plants on experimental animal model ,International Journal of Pharmaceutical and Applied Sciences,2011.
5	<b>R. K. Bhadekar</b> , S. S. Pote, <b>V.S. Tale</b> and <b>N. K. Bipinraj</b> , "Developments in analytical methods for detection of pesticides in environmental samples," American journal of Analytical Chemistry, 2011, 2, 1-15.
6	M. Falaki Khalilsaraie, N. Saima, N. T. Meti, <b>R. K. Bhadekar</b> and D. P. Nerkar , Cytological study and antimicrobial activity of embryogenic callus induced from leaf cultures of <i>Tinospora cordifolia</i> (Willd.), Miers, J Med Plants Res , 2011, 5, 14, 3002-3006.
7	<b>Akshay Desai</b> , Aniruddha Pawar, Swapnil Shevate and R.K. Pathak, Creation of module using complex data-structure Concepts for storing biological information, Asian Jr. of Microbiol. Biotech. Env. Sc. Vol. 13, no. (1) : <b>2011</b> : 157-160

8	Malabadi R B, <b>Meti N T</b> , Mulgund G S, Nataraja K, Vijay Kumar S, Recent advances in plant derived vaccine antigens against human infectious diseases, Research in Pharmacy, 2012, (2): 08-19.
9	Mulgund G S, <b>Meti N T</b> , Malabadi R B, Nataraja K, Vijay Kumar S, Smoke promoted in vitro seed germination of Pholidota pallid Lindl., Research In Plant Biology, 2012 (2): 24-29.
10	Mulgund GS, <b>Meti NT</b> , Malabadi RB, Nataraja K, Vijay Kumar S, Role of salicylic acid on conifer somatic embryogenesis, Research in Biotechnology, 2012, (2): 57-61.
11	Malabadi RB, Mulgund GS, <b>Meti NT</b> , Nataraja K, Vijay Kumar S, Influence of bud break and apical meristematic tissue competence during cloning mature trees of conifers, Research in Plant Biology, 2012, (2): 43-47.
12	Mulgund GS, <b>Meti NT</b> , Malabadi RB, Nataraja K, Vijay Kumar S Factors influencing cloning mature trees of conifers, Research in Plant Biology, 2012(2): 38-42.
13	Patil RC, Manohar SM, Rao AJ, Mule A, <b>Moghe AS</b> , Anti Reverse Transcriptase and Anticancer activity of stem ethanol extracts of Excoecaria agallocha (Euphorbiaceae), Ceylon Journal of Science (Bio. Sci.) 2012(2): 147-155.
14	R.C Patil, T.P. Murugkar and <b>S.A Shaikh</b> , Extraction of pectinase from pectinolytic bacteria isolated from carrot waste, International Journal of Pharma & Bioscience, 2012, 03.
<b>National Publications 2011-12 (02)</b>	
1	<b>Moghe AS, Gangal SG</b> , Shilkar PS, Evaluation of anticancer activity of Bryonia laciniosa on human cancer cell lines, Ind J Nat Prod, 2011, 2(3).
2	<b>Vipra Jadhav, Neelambrika Meti</b> , Ganesh Patil, Neelam Chavan, and <b>Rama Bhadekar</b> , Improved withanolide production and RAPD analysis in Withania somnifera, Trendz in Biotech., 2011, 9 (9): 4-13.
<b>International Publications 2012-13 (22)</b>	
1	Shendkar. C. D., Chandrachood, P. S., Lavate, S. M., <b>Nirichan, K. B.</b> , Deshpande, N. R.



	(2012) Comparative Evaluation of <i>Achyranthes Aspera</i> Linn. Parts by Antibacterial Activity, Journal of Pharmacy Research. 5 (1) 102-103.
2	Rachana Fulzele, Elisha DeSa, Amit Yadav, Yogesh Shouche and <b>Rama Bhadekar</b> , "Characterization of novel extracellular protease produced by marine bacterial isolate form Indian Ocean", Brazilian Journal of Microbiology 2011, 42, 4, 1364-1373.
3	Ravindra B. Malabadi, Seema Lokare Naik, <b>Neelambika T. Meti</b> , Gangadhar S. Mulgund, K. Nataraja, S. Vijaya Kumar. Silver nanoparticles synthesized by <i>in vitro</i> derived plants and callus cultures of <i>Clitoria ternatea</i> ; Evaluation of antimicrobial activity. Research in Biotechnology 3(5): 26-38, 2012.
4	Ravindra B. Malabadi, <b>Neelambika T. Meti</b> , Gangadhar S. Mulgund, K. Nataraja, S. Vijaya Kumar. Smoke saturated water promoted <i>in vitro</i> seed germination of an epiphytic orchid <i>Oberonia ensiformis</i> (Rees) Lindl. Research in Plant Biology, 2(5): 32- 40, 2012.
5	Vipra Jadhav, Dipti Salunkhe and <b>Rama Bhadekar</b> . <a href="#">Effect of alterations in conventional medium on lipid accumulation and fatty acid content in oleaginous yeasts</a> , Int. J. Pharm. Bio. Sci. 2012, 3(4): (B) 757 – 769.
6	Ravindra B. Malabadi, Raju K. Chalannavar, <b>Neelambika T. Meti</b> , Gangadhar S. Mulgund, K. Nataraja, S. Vijaya Kumar, 2012. Synthesis of antimicrobial silver nanoparticles by callus cultures and <i>in vitro</i> derived plants of <i>Catharanthus roseus</i> , Research in Pharmacy, 2(6): 18-31.
7	Shaikh KS, Pawar A, <b>Aphale SR, Moghe AS</b> , Effect of vesicular encapsulation on <i>in vitro</i> cytotoxicity of cyclopiroxolamine. International Journal of drug delivery; 2012:4(2).
8	<b>Singh E. A.</b> Kamble S. Y., <b>Bipinraj N. K.</b> , Jagtap S. D Medicinal Plants used by the Thakar Tribes of Raigad District, Maharashtra For the Treatment of Snake-Bite and Scorpion- Bite, International Journal of Phytotherapy Research, Vol 2 issue 2, 2012.
9	Mukherjee S., Phatak D., Parikh J., Jagtap S., Shaikh S., <b>Tupe R.</b> Antiglycation and antioxidant activity of a rare medicinal orchid <i>Dendrobium aqueum</i> Lindl. Med. Chem. Drug Dis. 2012, 2(2) 46-54.



10	R.S. Ganguly, SD. Manjrekar, SA Shree, <b>RK Bhadekar</b> , Evaluation of marine microorganisms for characteristic presence of novel biomolecules." Romanian Biotechnological Letters Vol 17, No.3, 2012. 7280-7286.
11	Narkhede A, Nirmal P, <b>Tupe R</b> , Omkar Kulkarni, Abhay Harsulkar, Suresh Jagtap. <i>In vitro</i> Antioxidant, Antiglycation and $\alpha$ - amylase inhibitory potential of <i>Eulophia ochreatea</i> L. J Pharm Res 2012,5(5),2532-2537.
12	Jayant Pawar, <b>N. K. Bipinraj</b> , E. A. Singh, Nikhil Nikam Determination and Partial Characterization of Antimicrobial Material of Pseudomonas aeruginosa Isolated from Milk, Research & Reviews: Journal of Food Science & Technology, 1, No 2 (2012).
13	Suvadra Da, Partha Roy, <b>Md Ataul Islam</b> , Achintya Saha, and Arup Mukherjee: PLGA Nanoparticle Design and Payload Prediction: A Molecular Descriptor Based Study, <i>Chem. Pharm. Bull.</i> <b>2012</b> , (Online published, 29 <sup>th</sup> November'2012) Impact Factor - 1.592.
14	<b>Md Ataul Islam</b> , Ria Pal, Tabassum Hossain and Achintya Saha: Molecular modeling studies on structural requirement of diarylpropionitriles for selectivity to estrogen receptor subtypes, <i>Med. Chem. Res.</i> <b>21</b> , <b>2012</b> , 2552 - 2660. Impact Factor - 1.271
15	<b>Md Ataul Islam</b> , Arup Mukherjee and Achintya Saha: Molecular Mapping of Heterocyclic Diazene Derivatives for Estrogen Receptor Modulation, <i>Indian J. Biochem. Biophys.</i> <b>49</b> , <b>2012</b> , 236 - 245. Impact Factor - 1.142.
16	<b>Md Ataul Islam</b> , Arup Mukherjee and Achintya Saha: Selectivity Requirement of Estrogen Receptor Ligands: Modeling of Furan and Pyrazole Derivatives, <i>Int. J. Pharm. Bio Sci.</i> <b>3</b> , <b>2012</b> , 359 - 371. Impact Factor 0.470
17	<b>Md Ataul Islam</b> , Arup Mukherjee and Achintya Saha: 3D QSAR and Molecular Docking Studies of Structurally Diverse Estrogen Receptor Ligands, <i>Int. J. Pharm. Pharmaceu. Sci.</i> <b>4</b> , <b>2012</b> , <b>449 - 454</b> . Impact Factor - 0.380
18	Deepti Pranay Samarth, Chandashekhar Jangluji Chandekar and <b>Rama Kaustubh Bhadekar</b> , "Biosorption of Heavy Metals from Aqueous Solution

	using <i>Bacillus Licheniformis</i> " Int. J Pure Appl. Sci Technol Vol. 10(2), 2012, pp. 12-19.
19	Tanushree Bhattacharjee, Milind R. Gidde, <b>Bipinraj N.K.</b> Disinfection of Drinking Water in Rural Area Using Natural Herbs, J. Environ. Res. Develop. Volume 5, Issue 10 (January 2013), PP. 07-10
20	Siddiqui, A., Dandawate, P., Rab, R., Padhye, S., <b>Aphale, S., Moghe, A.</b> , Jagyasi, A., Venkateswara Swamy, K., Singh, B., Chatterjee, A., Ronghe, A., Bhat, H.K., Novel Aza-Resveratrol Analogs: Synthesis, Characterization and Anticancer Activity against Breast Cancer Cell Lines. Bioorganic & Medicinal Chemistry Letters, 2013 Feb 1; 23(3):635-40.
21	Gauri dixit, Deepti Samarth, Vidya Tale and <b>Rama Bhadekar</b> " Comparative studies on potential probiotic characteristics of <i>Lactobacillus acidophilus</i> strains", Eurasian J Biosci, 2013, 7,1-9(ISSN:1307-9867)
22	
<b>National Publications 2012-13 (03)</b>	
1	<b>Sanjay K. Gaikwad</b> , Uday D. Deshpande, Rajesh C. Patil, Proteomic Profiling of Tear Fluid With Respect to Diabetes, Journal of Empirical Biology, Vol1(1): 61-65, 2012.
2	Sadul, R. R., Gidde, M. R. and <b>Nirichan, K. B.</b> (2012) Comparative study of antimicrobial activity and phytochemical screening of aqueous and Alcoholic leaf extract of <i>Ocimum sanctum</i> On <i>E.coli</i> (faecal indicator of Water pollution) <i>J. Environ. Res. Develop.</i> 7 (1A) 312-320.
3	Rekha R, Pallavi Mandave and <b>Neelambika Meti</b> , Micropropagation of Strawberry cultivar Sweet Charlie via axillary shoot proliferation, Journal of Applied Horticulture, 14(1): 71-73, 2012.

**Number of Books/Book Chapters/Laboratory Manuals written  
(2012-2013): 01**

1. Sudha Gajanan Gangal & Shubhangi Dattatray Sontakke, Textbook of Basic and

## International Publications 2013-14 (17)

1	Vinay Nair, <b>Monalisa Dutta</b> , <b>Sowmya S Manian</b> , Ramya Kumari S & Valadi K Jayaraman, Identification of Penicillin-binding proteins employing support vector machines and random forest. <i>Bioinformation</i> , Open Access online journal, Vol 9(9), Received November 16, 2012; Accepted April 05, 2013; Published May 25, 2013.
2	M. M .Kodape, N. D. Gawhale, <b>Pritee Chunarkar</b> , D. M. Mutkule, Fluorescein Derivative: Synthesis and Significance of 2-(7,8-dihydro-10-methyl-3,8-dioxo-3H-benzo[b]xanthen-12-yl) Benzoic acid, , <i>International Journal of Pharmaceutical Research Scholars</i> , V-2, I-4,2013. (Impact Factor-1.02)
3	<b>Vipra Vijay Jadhav</b> , <b>Swanandi Pote</b> , Amit Yadav, Yogesh S. Shouche, <b>Rama Kaustubh Bhadekar</b> , Extracellular cold active lipase from the psychrotrophic <i>Halomonas</i> sp. BRI 8 isolated from the Antarctic sea water. <i>Songklanakarin Journal of Science and Technology</i> , 2013, 35(6): 623, (Impact Factor 1.0)
4	<b>Patil Seema</b> , Angadi Kalpana, Modak Meera and Bodhankar MG Studies on drug resistance pattern by phenotypic methods in <i>Mycobacterium tuberculosis</i> isolates in tertiary care hospital (2013) <i>International Journal of Microbiology Research</i> Vol 5 (6) pp. 497-501 ISSN: 0975-5276 & E ISSN: 0975-9174
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	<b>Chunarkar, Md Ataul Islam*</b> Chemometric design of protein tyrosine kinase inhibitors for indolinone derivatives, Asian Journal of Biomedical and Pharmaceutical Sciences, 03 (27); 9-14. <b>Published on: 17-01-2014.</b>
9	<b>Sumer Amin, Vidya Tale, Snehil Jaiswal, Rama Bhadekar</b> Evaluation of effect of non steroidal anti-inflammatory drugs on growth of probiotics (2013) International Journal of Pure and Applied Sciences and Technology (in press)
10	Pawar, M. Kadam, M. and <b>Bipinraj, N. K.</b> , (2014), In-Vitro Control Of Bacterial Blight Causing Organism ( <i>Xanthomonas Xonopodis</i> Pv. <i>Punicae</i> ) of Pomegranate, Journal of Environmental Research And Development 8 (3A) 568-573.
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3	Pawar, M. Kadam, M. and <b>Bipinraj, N. K.</b> , (2014) <i>In-Vitro</i> Control Of Bacterial Blight Causing Organism ( <i>Xanthomonas Xonopodis Pv. Punicae</i> ) of Pomegranate, Journal of Environmental Research And Development 8 (3A), 568-573. PARIS ISSN 0973-6921
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8	Sonkusale KD, <b>Tale VS</b> , 2015. Isolation and Characterization of Biofilm Forming Bacteria from Oral Microflora. International Journal of Current Microbiology and Applied Sciences. Special Issue-2, 118-127. (ISSN: 2319-7706)
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23	<b>Gaikwad Sanjay</b> , Patil Rajesh, Software Tools and Techniques for Analysis of Proteomic LC-MS Data, Asian Journal of Multidisciplinary Studies, Volume 2, Issue 10, pp 186-190, October 2014. ISSN: 2321-8819 (Online), (Impact Factor: 0.923)
24	<b>Patil Seema</b> , Modak Meera , <b>Bodhankar MG</b> , Molecular mechanisms of drug-resistance in MDR strains of M. tuberculosis, Integrated Journal of British. 2015, 2 Issue (1) 71-80, ISSN 2349-9419
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<b>International Publication 2015-16(01)</b>	
1.	Md. Ataul Islam, Patel, D A Rathod, SG, <b>Chunarkar,P</b> (2016) Identification of structural requirements of estrogen receptor modulators using pharmacoinformatics techniques for application to estrogen therapy, Tahir S. Pillay, Med Chem Res., Springer US, Res 25:407–421 ((Impact Factor-1.4)

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3.	Adeshara K., Diwan A., Tupe R, Diabetes and Complications: Cellular Signalling Pathways, Current Understanding and Targeted Therapies, Current Drug Targets (In Press PMID: 26648059, Impact Factor is 3.021)
4.	Priyanka Parhi, Vipra Jadhav and Rama Bhadekar, Increase in production of biosurfactant from Oceanobacillus sp. BRI 10 using low cost substrates, Songklanakarin Journal of Science and Technology.(In Press)
5.	Nishita Jain, Preeti Bhosale, Vidya Tale, Biofilm Formation on Contact Lenses by Bacterial Pathogens, Journal of Pharmacy Research, 10(1),50-53
6.	Rahat Khan, Bagwan Sufiya, Vidya Tale, Detection and Control of Biofilm Produced By Pathogenic Bacteria, Asian Journal of Multidisciplinary Studies, 3(12) 47-51. (ISSN: 2321-8819)
7.	Yasmin Aktar Banu, Mayur Swamy, Vidya Tale, Isolation, Characterization and Antibiotic Resistance Pattern of Nosocomial Bacterial Isolates, Asian Journal Of Microbiology, Biotechnology and Environmental Science. (Accepted)
8.	Pawar, S. G., E. A, Singh, P. S. Sawant, S. R. Patil and Kamble S.Y. New Finding of Traditional Medicinal uses of Plants from Bhimashankar and Mulshi Areas of Pune, Asian Journal of Multidisciplinary Studies, Vol.4,92-98 ISSN:2321-8819
9.	Rakhee Dangi, Shubhada Tamhankar, Ritesh Choudhary, Suryaprakasa Rao, Molecular phylogenetics and systematics of Trigonella L. (Fabaceae) based on nuclear ribosomal ITS and plastid trnL intron sequences. Genetic, Resources and Crop Evolution 63: 79-96 ,2016 (IF 1.5).
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### Year –wise Publication profile of RGITBT from 2009-2016

	International	National	Total

<b>2008-09</b>	02	0	2
<b>2009-10</b>	05	9	11
<b>2010-11</b>	20	8	28
<b>2011-12</b>	14	2	16
<b>2012-13</b>	22	3	24
<b>2013-14</b>	18	5	23
<b>2014-15</b>	25	1	23
<b>2015-16</b>	11	0	1*
<b>Total</b>	<b>104</b>	<b>28</b>	<b>128</b>

\* Continued ....

Date : 23/03/16

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