Ankur Patwardhan Curriculum Vitae

ANKUR ARUN PATWARDHAN

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Date of Birth: 29th May 1975 Nationality: Indian Marital Status: Married

Education

1998 – 2004	Ph.D. (University of Pune, India) Subject : Environmental Sciences Topic : Diversity and bio-control potential of aquatic fungi and their relation with water quality
1995 – 1997	M.Sc. (Department of Environmental Sciences, University of Pune, India) Subject : Environmental Sciences
1992 – 1995	B.Sc (Sir Parshurambhau College, University of Pune, India) Major subject: Botany

Work experience

2003 – Present	Department of Biodiversity, Abasaheb Garware College, University of Pune. India Designation: Head
1998 – 2003	Research and action in Natural Wealth Administration (RANWA) Position: Research Coordinator
2000 – 2001	National Chemical Laboratory, Pune, India Position: Project Assistant
1999-2000	Department of Environmental Sciences, University of Pune. India Position: Teaching Assistant
1997 - 1998	Industrial Hygiene Laboratory, Lokmanya Medical Research Foundation, Pune, India Position: Research Associate

Affiliations

- Life Member, Maharashtra Education Society, Pune. (<u>www.mespune.in</u>)
- Honorary Secretary, Research & Action in Natural Wealth Administration, Pune. (www.ranwa.org)
- Review Editor, African Journal of Environmental Science and Technology (AJEST)
 (http://ajol.info/index.php/ajest/about/editorialPolicies), Science Research and Essays
- Member, Editorial Board, BIODIVERSITAS: Journal of Biological Diversity (http://biodiversitas.mipa.uns.ac.id/D/editor.htm)

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Visiting Faculty, Department of Environmental Sciences, University of Pune.

Other skills/interests/social commitment(s)

I am associated with various grass root level Community Organizations, Municipal Corporations working in the field of environmental awareness and conservation.

Research: My current research projects focus on recovery, including ex-situ and bioprospecting of threatened plant taxa from Western Ghats of India, one of the 34 global biodiversity hotspots. It includes quantification and mapping of plant resources of Western Ghats, besides documenting traditional knowledge and community conservation practices. I also undertake environmental impact assessments (EIA) projects and management plans.

Teaching and supervision: I am heading Dept. of Biodiversity at Abasaheb Garware College, Pune. I am also involved in undergraduate and post graduate teaching for Biotechnology and Environmental Sciences respectively. I am currently supervising one doctorate student, five research fellows and four Masters' dissertations.

Memberships: In honorary capacities, I coordinate research activities at Research & Action in Natural Wealth Administration (RANWA), Pune, a NGO dedicated to Environmental Protection. I am a editorial board member of AJEST & BIODIVERSITAS.

Selected publications

- 1. N Marathe, M Rasane, H Kumar, A Patwardhan, Y Shouche and S Diwanay. (2013). *In vitro* antibacterial activity of *Tabernaemontana alternifolia* (Roxb) stem bark aqueous extracts against clinical isolates of methicillin resistant *Staphylococcus aureus*. *Annals of Clinical Microbiology and Antimicrobials*. 12:26
- 2. Mhaskar, M. Joglekar, A., Tadwalkar, M., Wagh, R., Patil, R., Chavan, B., Joshi, S., Gunaga, S., Manjunath, A., Thriveni, H., Vasudeva, R. and **Patwardhan, A.** (2013). Nursery techniques of Embelia ribes (Vidanga): A red listed medicinal plant species. *Vansanshodhan Patrika*. Vol. 1/1:35-40
- 3. A Padhye, **A Patwardhan**......A Patwardhan. (2013). Butterflies of Northern Western Ghats: A Compilation of Checklists. Ela Journal. Vol.2 (1): 3-22.
- 4. S Pande, A Mahabal..... **A Patwardhan**. (2013). Biodiversity of the Parvati-Pachgaon Hills: A 'habitat island' in Pune Metropolis. Ela Journal. Vol.2 (1): 23-41.
- 5. **Patwardhan, A.**, Mhaskar, M., Joglekar, A., Tadwalkar, M., Wagh, R. and Vasudeva, R. Propagation and cultivation techniques of *Embelia ribes* (Vidanga): A threatened medicinal plant species in "Underutilized and underexploited Horticultural crops", published by NIPA, N. Delhi. (*In Press*).
- 6. M. Tadwalkar, A. Joglekar, M. Mhaskar, R. Kanade, B. Chavan, A. Watve, K. N. Ganeshaiah and **A. Patwardhan**. (2012). Dispersal modes of woody species from the northern Western Ghats, India. *Tropical Ecology*. 53(1): 53-67. (http://www.tropecol.com/pdf/open/PDF_53_1/Art-06.pdf)
- 7. A. Kulkarni, **A. Patwardhan**, A. Upadhye, and N. Malpathak. (2011). Pharmacognostic evaluation of *Chonemorpha grandiflora*, an endangered medicinal plant. *International Journal of Pharmaceutical Sciences and Research (IJPSR)*. Vol. 2(10): 2690-2693. (http://www.iipsr.com/V2I10/32%20Vol.%202(10).%20IJPSR-834.%20Paper%2025.pdf)

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8. M. Mhaskar, S. Joshi, B. Chavan, A. Joglekar, N. Barve and **A. Patwardhan**. (2011). Status of *Embelia ribes* Burm f. (Vidanga), an important medicinal species of commerce from northern Western Ghats of India. *Curr. Sc.* 100 (4): 547-552. (http://www.ias.ac.in/currsci/25feb2011/547.pdf)

- 9. Kulkarni, A., **Patwardhan, A.** and Malpathak, N. (2011). In vitro studies and secondary metabolite production in *Tabernaemontana alternifolia* L. in Scholarly Articles in Botany.
- 10. A. Kulkarni, **A. Patwardhan**, U. Lele and N. Malpathak. (2010). Production of Camptothecin in cultures of *Chonemorpha grandiflora*. *Pharmac*. *Res.* 2 (5): 296-299. (http://www.phcogres.com)
- 11. Gharpure, G., Chavan, B., Lele, U., Hastak, A., Bhave, A., Malpure, N., Vasudeva, R., **Patwardhan, A.** (2010). Camptothecin accumulation in *Ophiorrhiza rugosa* var. *prostrata* from northern Western Ghats. *Curr. Sc.* 98 (3): 302-304. (http://www.ankurpatwardhan.com/camptothecin_curr_sc.pdf)
- 12. Kanade, R., Tadwalkar, M., Kushalappa, C. and **Patwardhan, A.** (2008). Vegetation composition and woody species diversity at Chandoli NP, northern Western Ghats, India. *Curr. Sc.* 95 (5): 637-646. (http://www.ias.ac.in/currsci/sep102008/637.pdf)
- 13. Kanade, R., Goturkar, S., Pathak, N. and **Patwardhan, A.** (2008). Social and economic linkages of biodiversity conservation. A case study of *Ajeevali* sacred grove. In Nanditha Krishna (eds.) Ecological Traditions of Maharashtra. C.P.R.Environmental Education Centre. 93-98.
- 14. **Patwardhan, A.,** Sahasrabuddhe,K., Mahabaleshwarkar,M., Joshi,J., Kanade, R. and Goturkar, S. (2006). Changing Status Of Urban Water Bodies And Associated Health Concerns In Pune, India. In Sandipa Lahiri Anand (eds.) Global Water Pollution: Perspectives and Cases. ICFAI University Press, Hyderabad. 206-212.
- 15. **Patwardhan, A.,** Gandhe, R., Ghole, V. and Mourya, D. (2005). Larvicidal activity of the fungus *Aphanomyces* (oomycetes: Saprolegniales) against *Culex quinquefasciatus*. *J Commun Dis*. 37(4):269-74.
- 16. **Patwardhan, A.** (2005). in Ecosystems and Human Well Being. Vol. 4. Multiscale Assessments: Findings of the Sub-global Assessments Working Group, Millennium Ecosystem Assessment. Island Press, Washington, DC. (http://www.millenniumassessment.org/documents/document.347.aspx.pdf)
- 17. Ghate, U., **Patwardhan, A.** and Waran, A. (2005). Reduced urban consumerism and enhanced rural bio-enterprises for food, water and climatic security. *Current Science*. 88(2): 213-214. (http://www.ias.ac.in/currsci/jan252005/213.pdf)
- 18. **Patwardhan, A.,** Kanade, R., Sahasrabuddhe, K., Nalavade, S., Ghotge, N., and U. Ghate. (2003). Social review of pastoral ecosystem services in Western India. *African Journal of Range and Forage Science*. Vol. 20. Pp.194-197.
- 19. **Patwardhan, A.,** Nalavade, S., Sahasrabuddhe, K. and Utkarsh, G. (2001). Urban wildlife and protected areas in India. *Parks. The international journal of protected area managers*. Vol. 11. No. 3.: 28-34.

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Grants and awards : Few selected are given below with most recent first.

Mar 2010	Mar 2012 -	All India Coordinated Research Project on Sacred Grove	Rs. 34.31 Lacs
Mar 2010 – Mar 2015 Mar 2014 Apr 2013 Mar 2014 April 2013 — Mar 2015 April 2012 — Mar 2014 April 2012 — Mar 2014 April 2019 — Mar 2014 April 2019 — Mar 2014 April 2010 — Mar 2014 April 2010 — Mar 2015 April 2010 — Mar 2014 April 2010 — Mar 2015 April 2010 — Mar 2014 April 2010 — April 2010 — April 2010 — April 2010 — Mar 2014 April 2010 — April 2010 — April 2010 — April 2010 — Mar 2014 April 2010 — April 2011 — April 2010 — April 2011 — April 2010 — April 2010 — April 2010 — April 2010 — April 2011 — April 2012 — Decumenting butterfly diversity, population & study of nectar plant choices from northern Western Ghats — Mar 2013 — Development and Demonstration of Sustainable — Mar 2013 — Mar 2013 — Mar 2010 — Mar 2013 — Development and Demonstration of Sustainable — Methods of Harvesting of Nothappodytes nimmoniana under different Agro forestry Systems for optimizing the production of Camptothecin and related high value metabolites. Aug 2011 — July 2013 — July 2013 — Conservation and promotion of endangered medicinal plant species from Western Ghats of India Jan 2009 — Dec 2010 — Appilication of GIS-RS in Mapping and Conservation of Incatian of Plants Species from NWG, India — Apr 2010 — May 2008 — Appilication of GIS-RS in Mapping and Conservation of Apr 2009 — Apr 2009 — Aprilication of GIS-RS in Mapping and Conservation of Incatian of Heratened Medicinal Plant Species from NWG, India — Apr 2006 — Dec 2006 — Domestication of Nothappodytes nimmoniana (Grah.) — May 2008 — Apr 2009 — Domestication of Nothappodytes nimmoniana (Grah.) — May 2008 — Apr 2009 — Domestication of Nothappodytes nimmoniana (Grah.) — May 2008 — Apr 2009 — Domestication of Nothappodytes nimmoniana (Grah.) — May 2008 — Apr 2009 — Domestication of Nothappodytes nimmoniana (Grah.) — May 2008 — Apr 2009 — Domesticati	Mar 2017	Ecosystem Service Assessment from Northern Western	(Ministry of
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Ankur Patwardhan Curriculum Vitae

Selected conference / symposia contributions

2010 - Lead Indian team to **Pretoria, South Africa** (May 2010) for the development of **'Ecosystem Services Assessment Proposal**' under the **IBSA** (India-Brazil-South Africa) Trilateral Programme.

- 2008 Delivered a talk titled 'Indian Urban Resource Millennium Assessment (IURMA)' at the follow up meeting of *Millennium Ecosystem Assessment (MA) at Kuala Lumpur, Malaysia in March 2008*.
- 2005 Invited talk entitled 'Recovery Prospecting Of Endangered *Nothapodytes foetida* Through Community Participation' at **Society for Conservation Biology's Asia Conference at Kathmandu, Nepal in November 2005.**
- 2003 Invited talk entitled 'Social Review Of Pastoral Ecosystem Services in Western India' at *VII th International Rangeland Congress, held in Durban, South Africa in July* 2003.

Research-related activities

Organisation of workshops / conferences

- National Biodiversity Conference (Feb 2012). Involving over 350 academicians, students, forest officials and NGOs
- Sacred Natural Sites workshop involving over 75 participants.
- Evolutionary Ecology workshop (Feb 2009). Involving over 100 participants (teachers and students)

Peer-review of journal papers

African Journal of Environmental Science and Technology (AJEST), Edinburgh Journal of Botany, Environmental Policy and Governance (EPG), Scientific Research and Essays, Current Science. Journal of Protected Area Network, Ecography, Biodiversitas

Environmental Awareness-related activities

Published over 100 popular articles in local media and conducted several radio programmes related to environmental education and biodiversity conservation.

Referees Available on request