
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

- **Honorary Secretary**, Research and Action in Natural Wealth Administration, Pune India. (www.ranwa.org)
- **Review Editor**, African Journal of Environmental Science and Technology (<http://ajol.info/index.php/ajest/about/editorialPolicies>), Science Research and Essays
- **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 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 hot-spots. 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 coordinating Masters Course in 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 two undergraduate dissertation and five MSc dissertations.

Memberships: In honorary capacities, I am a member of Task Force on Cities and Protected Areas (part of The World Conservation Union's [IUCN] World Commission on Protected Areas) and review editor of African Journal of Environmental Science and Technology.

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

Mar 2010 – Mar 2013	Biotechnological Interventions for conservation and utilization of forest resources. Current project	\$ 23500 (Department of Biotechnology, India)
May 2010 – Mar 2013	Development and Demonstration of Sustainable Methods of Harvesting of <i>Nothapodytes nimmoniana</i> under different Agro forestry Systems for optimizing the production of Camptothecin and related high value metabolites. Current project	\$ 52000 (Department of Biotechnology, India)
Jan 2009 – Dec 2010	Conservation and promotion of endangered medicinal plant species from Western Ghats of India.	£ 11875 (Rufford Small Grants, UK)
May 2008 – Apr 2010	Application of GIS-RS in Mapping and Conservation of Threatened Medicinal Plant Species from northern Western Ghats of India	\$ 17,000 (ISRO-UoP Programme)
May 2008 – Apr 2009	Plants and their Uses: Botany of the Sahyadris (with Dr. Suneeti Jog, University of Texas at Tyler, U.S.)	\$ 6500 (Nat. Geo. Society, U.S.)
Apr 2008 – June 2008	Ecological Assessment of the Mutha River Front and a Nullah at Nanded City, Pune	\$ 3500 (Nanded City, Pune)
Jan 2008 – Dec 2009	Camptothecin (CPT) distribution in <i>Nothapodytes nimmoniana</i> and <i>Ophiorrhiza rugosa</i> : Endangered medicinal species from Western Ghats of India	\$ 4750 (BCUD, University of Pune)
Dec 2006 – May 2008	Domestication of <i>Nothapodytes nimmoniana</i> (Grah.) Mabb. : An endangered medicinal tree from Western Ghats of India	£ 4880 (Rufford Small Grants, UK)
June 2005 – Mar 2010	Mapping and Quantitative Assessment of Geographic Distribution and the Population Status of Plant Resources of Western Ghats (with Dr. K. N. Ganeshiah, UAS, Bangalore)	(Department of Biotechnology, India)

Selected publications

1. 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>)
2. 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>)
3. 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)
4. 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>)
3. 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.
4. **Patwardhan, A.**, Sahasrabudhe, 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.
5. **Patwardhan, A.** and Vasudeva, R. (2006). Nursery techniques for *Nothapodytes nimmoniana* : An Endangered Medicinal Tree.
6. **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.
7. **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>)
8. Ghatge, 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>)
9. **Patwardhan, A.**, Kanade, R., Sahasrabudhe, K., Nalavade, S., Ghotge, N., and U. Ghatge. (2003). Social review of pastoral ecosystem services in Western India. *African Journal of Range and Forage Science*. Vol. 20. Pp.194-197.
10. **Patwardhan, A.**, Nalavade, S., Sahasrabudhe, 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.
12. Alkutkar, V., Athalye, P., Adhikari, S., Ranade, A., Patwardhan, M., Kunte, K. and **Patwardhan, A.** (2001). Diversity of trees and butterflies in forest fragments around Pune city. In Ganeshiah, K. N., Uma Shanker. R. and Bawa, K. S. (eds.) *Tropical Ecosystems: Structure, Diversity and Human Welfare*. Oxford & IBH, New Delhi, Calcutta. 685-8.

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 – Invited talk entitled 'Indian Urban Resource Millennium Assessment (IURMA)' at the follow up meeting of **Millennium Ecosystem Assessment (MA) at Kuala Lumpur, Malaysia in March 2008** .
- 2006 - Invited talk entitled 'On The Patterns Of Woody Plant Species Diversity' at the **National Seminar on Plant Resources of Western Ghats : Ecology, Economics and Conservation. Karnataka Biodiversity Board, India in December 2006**.
- 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**.
- 2004 – Invited talk entitled 'Urban Areas as wilderness Corridors or Sinks?' at **Society for Conservation Biology's conference at New York, U.S. in August 2004**.
- 2003 – Invited talk entitled 'Social Review Of Pastoral Ecosystem Services in Western India' at **VIIth International Rangeland Congress, held in Durban, South Africa in July 2003**.

Research-related activities**Organisation of workshops / conferences**

Sacred Natural Sites workshop involving over 50 participants at Pune.
Evolutionary Ecology workshop involving over 100 participants (teachers and students) to held in February 2009.

Peer-review of journal papers

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

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*