

Amit Pandey

Ph. D. Ecological Economics

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Date of Birth: 26th July 1988

Nationality: Indian

Languages: English
Read: Excellent, Speak: excellent
Hindi: Read- excellent, Speak- Excellent

IT Skills: Linux: Libreoffice 7.1, MS Office, STATA for statistical analysis, DEFINITE 3.1 for Multi Criteria Decision Making, INVEST (Integrated Valuation for Ecosystem Service and Tradeoffs), Analytical Hierarchy Process (AHP-Advanced MS-Excel), SPSS

Other Skills

Program management and skills

Report writing: Analysis of the data collection culminates into writing a descriptive and informative report for the concerned senior officials from various sectors of environment and biodiversity

Introduction: Advanced graduate work in agriculture, environment and natural resources sector. 10+ years of experience in extensive research in interpreting and analyzing data pertaining to environmental management and biodiversity conservation. Demonstrated ability to implement sector specific research projects with an array of domestic and international stakeholders. Hands-on experience in formulating and drafting strategic reports for senior officials in Government, international and non-government organizations.

Education

2016-2021	Ph. D. Ecological Economics, TERI School of Advanced Studies, New Delhi, India (Thesis submitted)
2010-12	M.Sc. Biodiversity and Conservation, Guru Gobind Singh Indraprastha University, New Delhi, India
2007-10	B. Sc. (H) Botany, Delhi University, India

Professional Experience

January 2021- May 2021	Innovative Financial Private Limited (CSR based research organization) involvement in writing proposal, interactions with donors on collaborations and monitoring and evaluation, impact assessment of the project, statistical analysis and data evaluation) <i>Senior Manager Programs</i> <ul style="list-style-type: none">-Developing proposal for environment, livelihood and education vertical for corporate to build up a partnership based work engagement-Conduct meetings with potential donors and support closure of deals, to acquire new donor partnerships.-Create and maintain a database of all existing and potential donors.-Formal and professional interactions with corporate and foundations.	New Delhi, India
January 2016- 2021	Ph. D. (Ecological and Economic significance of Sacred Forests of Kachchh, Gujarat, India) <ul style="list-style-type: none">-The study has combined the ecological production function approach and the techniques of valuation of the ecosystem services to analyze how ecosystem service provision and value change under alternative realistic scenarios and distinguishes our approach from the well-known maps of "total" value (i.e. benefits transfer) that can be produced for the site demonstrating the extent of the synergies or tradeoffs.	TERI-SAS, New Delhi, India
January 2016- June 2017	TERI University, New Delhi, India, in association with Bharat Coking Coal Limited (BCCL) <i>Senior Research Fellow</i> <ul style="list-style-type: none">-Interaction with senior officials from various relevant stakeholders regarding the open cast mining and probable land restoration options-Interactions with local communities and village dwellers near to the mining site-Multi criteria decision making process using Analytical Hierarchy Process-Intensive analysis of the data giving rise to the most suitable land use option unanimously supported by the stakeholders-Report generation quoting the observations and inferences	Dhanbad, Jharkhand, India (http://www.bccl.org)

Primary survey: With several reconnaissance visits to the field and relevant secondary literature, a formal format of questionnaire inclusive of relevant questions has been prepared for various stakeholders to be interviewed.

Commencement of the survey with structured questionnaire.

Evaluation/Analysis:

Extensive experience in analyzing data using statistical software like STATA, SPSS in order to bring about the inferences, results and discussions.

Awards and Honors:

-Awarded with Indian Council for Social Science Research (ICSSR) doctoral scholarship for 2020-2021 <https://icssr.org/doctoral-fellowship>

-Award for exemplary performance in conservation biology by GGSIP University, New Delhi held in Alumni meet 2019 <http://ipu.ac.in/>

-Richard Kuhn Research Award in Conservation Biology 2015 <https://sites.google.com/site/internationalindexing/home/international-journal-of-medicinal-plants/richard-kuhn-research-award-2015-in-conservation-biology-6105>

-Review of scientific manuscripts for various national/international journals like: Land use policy, Current Science, International Journal of Biodiversity and Conservation

References:

1. Dr. Kavita Sardana, Assistant Professor, Department of Policy Studies, TERI-SAS, New Delhi, "Kavita Sardana" kavita.sardana@terisas.ac.in, +91-9818564760

and citing the hands on experience and limitations while conducting the study

Junior Research Fellow

November 2013-
December 2015

-Reproductive biology of gymnosperm (*Cycas spp.*) in Odisha, India

Study of the reproductive biology of *Cycas* in Purunakote Forest Division, Odisha, India: Assessment of physical and morphological properties of *Cycas* with respect to the phonological changes.

-Conducted various field visits to the site for data collection on volatile and temperature data of *Cycas* cone (reproductive part of the plant)

-Recording and analysis of the collected data using thermochron i-buttons to record the internal temperature, humidity and heat

-Report writing inclusive of the results and discussions

January 2013-
October 2013

Environmental Consultant (Associated with Natural Heritage Division towards amalgamating biodiversity and conservation to economic incentives)

-Detailed primary and secondary literature on bio-cultural values of Uttarakhand pilgrim places

-Conducted various field visits to get the insight and detailed observations of the ongoing developments in tourism and its impact on natural vegetation and sacred landscape

-Report writing inclusive of the results and discussions

MoEFCC, India
and GGSIP
University, New
Delhi, India

INTACH, Lodhi
Estate, New Delhi,
India

Teaching Experience

January

Teaching Assistant

TERI-SAS, New
Delhi, India

2018-October
2019

Conducting theory and practical for MBA Business Sustainability on multi criteria decision making process

November 2013-
December 2015

Teaching Assistant

-Conducting theory and lab sessions for M.Sc. Biodiversity and Conservation students

GGSIP University,
New Delhi, India

Publications: (International and National):

Research articles

Developing a framework for sacred grove management using stakeholder analysis: evidence from sacred groves in Gujarat, India <https://www.emerald.com/insight/content/doi/10.1108/BIJ-11-2020-0599/full/html>

2021

Restoration potential of degraded inland sacred forest of Kachchh, Gujarat: an evidence of Shravan Kavadiya sacred grove <https://ijpbs.net/abstract.php?article=NjcyMQ==>

2019

Ethno-botanical evidences of common wild medicinal herbs existing on Delhi Ridge: A Checklist <http://www.plantsjournal.com/archives/?year=2017&vol=5&issue=5&part=A>

2017

Indigenous Uses of Economically and Commercially important Medicinal Plants Use to Cure Gynecological Diseases by Ethnic People of Bodmalla Village, Almora District of Western Himalaya, India www.jbpr.in

2016

Traditional Phytotherapy for various diseases by the Local Rural People of Bharai village in the Kullu district of Himachal Pradesh, India <http://ijpsr.com/wp-content/uploads/2016/03/45-Vol.-7->

2016

2. Prof. Saudamini Das, NABARD Chair Professor at the Institute of Economic Growth (IEG), New Delhi saudamini.das@gmail.com, +91-9899066456

3. Prof. Sapna A. Narula, Professor & Dean School of Management Studies Nalanda University, Rajgir, Bihar, narulasapna@gmail.com, +91 9910255027

International and national paper presentation:

- 1). "A Production Function Approach to Estimate Productivity Benefits of Sacred Groves: Evidence from Sacred Groves of Gujarat, India," 6th International Conference on South Asian Economic Development, Delhi, India, Online mode of conference, February 25-27, 2021
- 2). "Framing a management plan for the Conservation of Sacred Groves of Kachchh, Gujarat, based on stakeholder analysis" presented in INSEE-CESS International Conference on Climate Change and Disasters: Challenges, Opportunities and Responses, the Tenth Biennial Conference of the Indian Society for Ecological Economics (INSEE), 6-8 November 2019, Centre for Economic and Social Studies, Hyderabad, India
- 3). "Payments of Ecosystem Services in Agriculture: A motivational influence of biodiversity on agri-business" presented in international conference on Agribusiness in emerging economies, January 3-4, 2018, organized by TERI-SAS, New Delhi
- 4). "Relevance of sacred groves in conservation of biodiversity: A case study in dry land of Kachchh, Gujarat, India" presented in national conference on behavioral ecology: responses to changing climate, 24-25 November 2017, organized by Gujarat Institute of Desert Ecology (GUIDE), Bhuj, Gujarat

Review articles

Case studies/ case reports

[Issue-3-March-2016-IJPSR-RA-5917.pdf](#)

Sustainable Utilization of Medicinal Plants in Uttarakhand: A Preliminary Approach towards the Conservation of Medicinal Plants to Improve the Livelihood <https://sites.google.com/site/internationalindexing/home/international-journal-of-medicinal-plants>

Community Based Conservation of Ethno-Medicinal Plants Used by The Chakma Community of Tripura, India <http://www.ijpbs.net/current-issue.php>

Significance and Commercial Aspects of Ethno-fishing Techniques used by Baiga Tribe to improve their Livelihood in Amarkantak, Madhya Pradesh, India <http://www.allsubjectjournal.com/archives/2015/vol2issue9/PartI/109.pdf>

Use of Indigenous Plants in Traditional Health Care Systems and Economic Use by Mishng Tribe of Jorhat, Assam, India http://www.wjpps.com/wjpps_controller/current_issues

Ethno-Botanical usage of Plants by the Chakma Community of Tripura, Northeast India http://bepls.com/may_2014/3.pdf

Developing a framework for sacred grove management using stakeholder analysis: evidence from sacred groves in Gujarat, India <https://www.emerald.com/insight/content/doi/10.1108/BIJ-11-2020-0599/full/html>

The Forest of Reverence (Sacred Groves) in the Arid Biogeographic Province of India: a Literature-based Comparison with the Sacred Groves of the Arid Deserts of The World [https://www.caves.res.in/journal/articles/Amb_Sci_06\(1\)_Rv01.pdf](https://www.caves.res.in/journal/articles/Amb_Sci_06(1)_Rv01.pdf)

Reproductive Biology of the Eastern Ghats Cycads in India: A Preliminary Review for a Long Term Conservation Implication <http://www.unitedlifejournals.com/ijals/articles.php?iid=30>

Aloe Vera: A Systematic Review of its Industrial and Ethno Medicinal Efficacy <http://www.ijpras.com/currentissue.php>

Utilization of Traditional Herbs, Spices, Seasoning and Condiments: A Case Study of the Preparation of "Buknu" in Selected Villages of Kanpur, Uttar Pradesh, India <http://sciencedomain.org/issue/1855>

Revitalizing Traditional Health Care Practices by Exploring Medicinal Plants: A Case Study of Jorhat, Assam, India <http://www.bepls.com/dec2013/48.pdf>