

ABHIJEET BARDAPURKAR, ASSISTANT PROFESSOR, SCHOOL OF EDUCATIONAL STUDIES

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EDUCATION & RESEARCH

PhD (2009, Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research, Mumbai)

Abhijeet's research interests are in the areas of Understanding, Explanation and Learning -- particularly, learning of theories in Biology. He approaches these areas from the points of History and Philosophy of Biology, Cognitive Developmental Psychology, and Science Education studies. His specific area of work has been Evolution Education -- particularly, problems in understanding causality in natural selection. Not unrelated to all this are his interests in Philosophy of Education and Biology Teacher Education, where he is broadly interested in: understanding, meaning, learning, teaching and constructivism. He also has developing interests in normative dimension of education.

PAST EMPLOYMENT

Before joining AUD, Abhijeet was a post-doctoral fellow at the Homi Bhabha Centre for Science Education, Mumbai. He has been a visiting faculty in science education and cognitive developmental psychology in the MA-Education programme of the Tata Institute of Social Sciences, Mumbai. Abhijeet also taught an undergraduate course in History and Philosophy of Science at the National Institute of Science Education and Research, Bhubaneswar, where he was a visiting faculty in Humanities.

JOURNAL PAPERS

1. Bardapurkar, A. S. (2006) "Experience, Reason and Science Education". *Current Science* 90(6), 758.

<http://www.ias.ac.in/currsci/mar252006/contents.htm>

2. Bardapurkar, A. S. (2008) "Do Students See the "Selection" in Organic Evolution? A Critical Review of the Causal Structure of Student Explanations". *Evolution: Education and Outreach* 1(3), 299-305.

<http://dx.doi.org/10.1007/s12052-008-0048-5>

CONFERENCE PAPERS

1. Bardapurkar, A. S. (2005a) "Understanding Natural Selection via Variation and Artificial Selection". A paper presented at Eighth International History, Philosophy, Sociology & Science Teaching Conference, July 15 to July 18, 2005, University of Leeds, England.
2. Bardapurkar, A. S. (2005b) "Reality, truth and the logic of science: Exploring students' views about scientific knowledge". A paper presented at Eighth International History, Philosophy, Sociology & Science Teaching Conference, July 15 to July 18, 2005, University of Leeds, England.

3. Bardapurkar, A. S. and Nagarjuna G. (2005) "Students' explanations: A review of how students understand the theory of evolution". A paper presented at epiSTEME 1 (An international conference to review research on science, technology and mathematics education) December 13-17, 2004, Goa, India.
4. Bardapurkar, A. S. (2007) "What is 'natural' in natural selection?" A paper presented at the 2007 meeting of the International Society for the History, Philosophy and Social Studies of Biology (ISHPSSB), July 25 to July 29, 2007, University of Exeter, Exeter, England.
5. Bardapurkar, A. S. (2009) "Causal Structure of the Student's Explanatory Narrative of Evolutionary Change". A paper presented at Tenth International History, Philosophy, Sociology & Science Teaching Conference, June 24 to 28, 2009, University of Notre Dame, USA.

PROFESSIONAL ACTIVITIES/AWARDS

Reviewer for "Science & Education" (An International Journal for Contributions from History, Philosophy and Sociology of Science and Mathematics); "Evolution: Education and Outreach"; "National Association for Research in Science Teaching Conference 2007"; "Fourth international conference to review research on Science, Technology and Mathematics Education" (epiSTEME-4), Mumbai, India.

Sarojini Damodaran International Fellow: with Professor Peter Lipton, Hans Rausing Professor of the History and Philosophy of Science, Department of History and Philosophy of Science, University of Cambridge, Cambridge, UK (May, 15 to June 15, 2006).

Visitor, Centre for Contemporary Studies, Indian Institute of Science, Bangalore, India (June 19 to June 30, 2006; and March 25 to April 2, 2010).

Member, International History & Philosophy of Science Teaching Group

Member, Philosophy of Education Study Group, India (PoESG-I)