

List of Publications (in English)

Agroecology & Agronomy

- Deb, Debal (*forthcoming*). Food Sovereignty: opposing the enclosure of land, seeds and knowledge commons. In Stefan Mentschel (ed), *One World, No Hunger*. Rosa Luxemburg Stiftung/ Yoda Press: New Delhi.
- Sen Gupta, S, A. Baksi, P. Roy, **D. Deb** and T. Pradeep 2017. Unusual accumulation of silver in the aleurone layer of an Indian rice (*Oryza sativa*) landrace and sustainable extraction of the metal. *ACS Sustainable Chemistry and Engineering* 5(9): 8310-8315.
- Deb, Debal 2017. Folk rice varieties, traditional knowledge and nutritional security in South Asia. In: G. Poyyamoli (ed), *Agroecology, Ecosystems, and Sustainability in the Tropics*. Studera Press, pp. 117-134.
- Deb, Debal, M. Kloft, J. Lässig and S. Walsh 2016. Variable effects of biochar and P solubilizing microbes on crop productivity in different soil conditions. *Agroecology and Sustainable Food Systems* 40 (2): 145-168.
- Deb, Debal, S. Sengupta and T. Pradeep 2015. A profile of heavy metals in rice (*Oryza sativa* ssp. *indica*) landraces. *Current Science* 109: 407-409.
- Deb, Debal 2014. Genetic engineering in agriculture: Uncertainties and risks, pp. 120-129. In: David Newton (ed), *GMO Food: A Reference Handbook*. ABC-CLIO: Goleta, CA.
- Deb, Debal 2014. Folk rice varieties, traditional agricultural knowledge and food security, pp. 45-57. In: Claude Alvarez (ed.), *Multicultural Knowledge and the University*. Multiversity/ Citizens International: Penang, Malaysia.
- Deb, Debal 2012. Did you say 'High Yield'? pp. 22-25. In: *Where is Our Oryza?* Living Farms: Bhubaneswar.
- Deb, Debal, J. Lässig and M. Kloft 2012. A critical assessment of the importance of seedling age in the system of rice intensification (SRI) in eastern India. *Experimental Agriculture* 48 (3): 326-346.
- Deb, Debal 2009. Valuing folk rice varieties for agroecology and food security. *Bioscience Resource* (Commentary). URL: <http://www.independentsciencenews.org/un-sustainable-farming/valuing-folk-crop-varieties/> (26 October 2009).
- Deb, Debal and Debdulal Bhattacharya 2009. Two unique landraces from West Bengal. *Seed Research* 37 (1&2): 152-155.
- Deb, Debal 2008. Agriculture, pp. 67-81 In: A K Ghosh (ed.), *Status of Environment in West Bengal: A Citizens' Report*. ENDEV Society for Environment and Development: Kolkata.
- Deb, Debal 2006. Flowering asynchrony can maintain genetic purity in rice landraces. *Current Science* 91: 155-157.
- Borromeo, E. and **Debal Deb** 2006. *Future of Rice: Examining long term sustainable solutions for rice production*. Greenpeace International: Amsterdam & Bangalore. <http://www.greenpeace.org/international/en/publications/reports/future-of-rice/>
- Deb, Debal 2005. *Seeds of Tradition, Seeds of Future*. Research Foundation for Science Technology & Ecology: New Delhi.
- Deb, Debal 2004. *Industrial vs Ecological Agriculture*. RFSTE: New Delhi.
- Deb, Debal 2004. *Economics of multiple cropping: A study of multiple cropping farms of West Bengal*. Circolo Culturale Ambientescienze: Cremona, Italy. URL: www.worldwewant.org/wordpress/images/economicsofmultiple.pdf
- Deb, Debal 2001. An inventory of plant food resources from Bengal. pp. 293 to 298. In: V. Shiva and R. Holla-Bhar (eds), *An Ecological History of Food and Farming in India*. Vol. 1. RFSTE: New Delhi.
- Deb, Debal 2001. Bengal Famines. pp. 76 to 81. In: V. Shiva and R. Holla-Bhar (eds), *An Ecological History of Food and Farming in India*. vol. 2. RFSTE: New Delhi.
- Sen, D. and **Debal Deb** 2001. Peasant uprisings in Bengal. pp. 53 to 62. In: V. Shiva and R. Holla-Bhar (eds), *An Ecological History of Food and Farming in India*. Vol. 2. RFSTE: New Delhi.
- Ghosh, A.K. and **Debal Deb** (eds) 2001. *A Trainers' Training Manual on Sustainable Agriculture*. RFSTE: New Delhi.
- Deb, Debal 2000. *Folk Rice Varieties of West Bengal: Agronomic and Morphological Characteristics*. RFSTE: New Delhi.

List of Publications (contd.)

Deb, Debal 2000. The economics of multiple cropping systems. pp. 16-19. In: F. Mazhar (ed), *Proceedings of the International Workshop on Economics of Ecological Agriculture*. SANFEC: Dhaka.

Deb, Debal 1999. Wild and uncultivated plants and animals as food resource: the Bengal paradigm. Pp. 18-19 & 109-113. In: *SANFEC Proceedings of South Asian Workshop on Uncultivated Food and Plants*. 2-4 OCT 1999. Bishnupur, Bangladesh.

Deb, Debal 1999. In search of the forgotten rice varieties. *Down To Earth* 35: 122-123.

Deb, Debal 1996. Combining farmer experience and professional knowledge. Pp. 31-38. In: *Proceedings of the Workshop on Conservation and Community Copyrights of Folk Crop Varieties*. WWF-India Eastern Region: Calcutta.

Rice molecular biology

Das, S.P., **Debal Deb** and N. Dey 2018. Micromorphic and molecular studies of floral organs of a multiple seeded rice (*Oryza sativa* L.). *Plant Molecular Biology Reporter* <https://doi.org/10.1007/s11105-018-1116-9>

Chakrabarti, D., **Debal Deb** and Avik Ray 2016. An analysis of variation of the aroma gene in rice (*Oryza sativa* L. subsp. *indica* Kato) landraces. *Genetic Resources and Crop Evolution* 63(6): 953-959.

Priya, A, S.P. Das, S. Goswami, M.K. Adak, **Debal Deb** and N. Dey 2015. An exploratory study on allelic diversity for five genetic loci associated with floral organ development in rice. *American Journal of Plant Sciences* 6: 1973-1980.

Ray, Avik, **Debal Deb**, R. Ray and B. Chattopadhyay 2013. Phenotypic characters of rice landraces reveal independent lineages of short-grain aromatic *indica* rice. *AoB Plants* 5: plt032; DOI:10.1093/aobpla/plt032

Karmakar, J., R. Roychowdhury, R. K. Kar, **Debal Deb** and N. Dey 2012. Profiling of selected indigenous rice (*Oryza sativa* L.) landraces of Rarh Bengal in relation to osmotic stress tolerance. *Physiology and Molecular Biology of Plants* 18(2): 125-132.

Community Ecology & Food Web Theory

Deb, Debal 2009. Biodiversity and complexity of rice food webs: An empirical assessment. *The Open Ecology Journal* 2: 112-129.

Deb, Debal 1997. Trophic uncertainty and parsimony in food web research. *Oikos* (Copenhagen) 78: 191-194.

Deb, Debal 1996. Species coexistence in a competitive hierarchical system. *Proceedings of the Zoological Society of Calcutta* 49: 149-155.

Deb, Debal 1995. Scale-dependence of food web structure: Tropical ponds as paradigm. *Oikos* (Copenhagen) 72: 245-262.

Deb, Debal 1993. Size-selective hypothesis and size composition fluctuations in a heliozooplankton community. *Journal of the Assam Science Society* 35: 279-288.

Deb, Debal and S Banerjee 1989. Unstable trophic position of the predatory rotifer *Asplanchna priodonta* in a heliozooplankton community. *Proceedings of the Indian National Science Academy* B55: 41-50.

Deb, Debal, M K Ghosh and S Banerjee 1987. Synecology of a rotifer bloom in a freshwater pisciculture pond in West Bengal. *Proceedings of the Indian National Science Academy* B53: 61-68.

Ecological developmental biology

Patrick Bateson, David Barker, Timothy Clutton-Brock, **Debal Deb**, Bruno D'udine, Robert A. Foley, Peter Gluckman, Keith Godfrey, Tom Kirkwood, Marta Mirazón Lahr, John McNamara, Neil B. Metcalfe, Patricia Monaghan, Hamish G. Spencer and Sania E. Sultan 2004. Developmental plasticity and human health. *Nature* 430: 419-421.

List of Publications (contd.)

Biodiversity Conservation & Culture

- Deb, Debal, Bo Li, S. Chattopadhyay and A. Ray 2018. Identification of an endangered tree as a new record of *Cordia macleodii*, with an update of *Cordia* in West Bengal, India. *Webbia J. Pl. Taxon. Geog.* 73(1): 81-88.
- Deb, Debal 2016. Ecological ethos and indigenous traditions, pp. 32-36. In: Focus on the Global South/ The Sombath Initiative, *Humanity and Nature: Traditional, Cultural, & Alternative Perspectives*: Bangkok. http://focusweb.org/sites/www.focusweb.org/files/HumanityAndNature_June_2016.pdf
- Deb, Debal 2015. Sacred bamboo groves of the Rajbansi of north Bengal, pp. 45-62. In: M. Amrithalingam (ed), *Ecological Traditions of India*. vol. XII, *Sacred Groves of West Bengal*. C.P.R. Environmental Education Centre. Chennai.
- Deb, Debal 2008. Sacred ecosystems of West Bengal, pp. 117-126. In: A K Ghosh (ed.), *Status of Environment in West Bengal: A Citizens' Report*. ENDEV Society for Environment and Development. Kolkata.
- Deb, Debal 2007. *Sacred Groves of West Bengal: A Model of Community Forest Management*. Understanding Livelihood Impacts of Participatory Forest Management Implementation in India and Nepal. (Ser. Ed. Oliver Springate-Baginski). University of East Anglia, Norwich. <http://www.uea.ac.uk/dev/People/staffresearch/ospringate-baginskiresearch/PFM-Nepal-India/8-sacred-groves-west-bengal>
- Spadoni, M. and **Debal Deb** 2005. Ethnoecology of sacred groves in West Bengal, India. pp. 143-160, In: *Himalaya: Environment, Culture and Sustainable Development*. Proceedings of Seminar. Cooperazione Italiana/ASIA Onlus/Zoological Museum. Rome.
- Deb, Debal 2005. Water crisis in West Bengal, pp. 141-146. In: V. Shiva and K. Jalees (eds), *Water and Women*. RFSTE/National Commission for Women. New Delhi. URL: www.navdanya.org/publications/women-water.pdf and <http://ncw.nic.in/pdfreports/Women%20&%20Water.pdf>
- Deb, Debal 2003. Sacred groves and Sacred ponds. Document for NBSAP. New Delhi. National Biodiversity Strategy and Action Plan. URL: <http://sdnp.delhi.nic.in/nbsap/themes/culture/sacredgroves.html>
- Deb, Debal 2001. The culture of conservation: sacred species and sacred habitats p. 35. In: V. Shiva and R. Holla-Bhar (eds), *An Ecological History of Food and Farming in India*. vol. 1. Research Foundation for Science Technology & Ecology: New Delhi.
- Deb, Debal and K C Malhotra 2001. Conservation ethos in local traditions: the West Bengal heritage. *Society and Natural Resources* 14: 711-724.
- Deb, Debal and A.K. Ghosh 1999. Land use practices in India: reinstatement and displacement of traditional knowledge. In: B.B. Basu (ed), *Proceedings of the National Colloquium on Natural Resource Management*. School of Fundamental Research: Calcutta.
- Deb, Debal, K Deuti and K C Malhotra 1997. Sacred grove relics as bird refugia. *Current Science* 73: 815-817.
- Deb, Debal, D Kar and S Sen 1996. *Nature Conservation Handbook*. WWF-India Eastern Region: Calcutta.

Human ecology

- Deb, Debal 2018. *Food and Nutrition from Forest: Relationships with Forest Ecological Status and Management System*. Bhubaneswar. Living Farms.
- Deb, Debal 2007. Tapping food from the wild: human ecological adaptation to scarcity. *Proceedings of the International Symposium on Human Origins, Genome and People of India*. New Delhi. Anthropological Survey of India.
- Deb, Debal and K C Malhotra 1997. Interface between biodiversity and tribal cultural heritage: a preliminary study. *Journal of Human Ecology* 8: 157-163. URL:
- Deb, Debal 1996. Of cast net and caste identity: Memetic differentiation between two fishing castes of Karnataka. *Human Ecology* 24: 109-123.

List of Publications (contd.)

Forest Ecology & Management

Deb, Debal 2014. The Value of Forest: an ecological economic examination of forest people's perspective (Chapter 7), pp. 123-159, in: Trevor Fenning (ed), *Challenges and Opportunities for the World's Forests in the 21st Century*. Springer: Heidelberg/New York.

Deb, Debal 2008. Joint forest management, pp. 96-104. In: A K Ghosh (ed.), *Status of Environment in West Bengal: A Citizens' Report*. ENDEV Society for Environment and Development: Kolkata.

Deb, Debal 2007. Personal experience of researching sacred groves adjacent to joint forest management forests [Box article], pp. 254-255. In: O. Springer-Baginski and P. Blaikie (eds), *Forests, People and Power: The political ecology of reform in South Asia*. Earthscan: London.

Malhotra, K.C. and **Debal Deb**. 1998. 'History of Deforestation and Regeneration/ Plantation in Midnapore District of West Bengal, India, pp. 279–300. In: S.B. Roy, M.Chatterjee, G. Yadav and R. Mukherjee (eds.), *Policy to Practice of Joint Forest Management*. Indian Institute of Bio-Social Research and Development (IBRAD). Kolkata.

Deb, Debal 1993. Evolution of joint forest management in Southwest Bengal: a subaltern detail. *Social Action* 43: 368-374.

Deb, Debal and K C Malhotra 1993. People's participation: the evolution of joint forest management in West Bengal. Pp. 329-342. In: S B Roy and A Ghosh (eds), *People of India: the Biocultural Dimensions*. Inter-India Publication: New Delhi.

Development Studies & Ecological economics

Lele, S., O. Springate-Baginski, R. Lakerveld, **Debal Deb** and P. Dash 2013. Ecosystem services: origins, contributions, pitfalls, and alternatives. *Conservation and Society* 11(4): 343-358.

Deb, Debal 2009. *Beyond Developmentality: Constructing Inclusive Freedom and Sustainability*. Earthscan (London) / Daanish Books (New Delhi).
[Reviewed in *Frontline*, *Economic Geography*, *Journal of Cleaner Production*, *Development in Practice*, *Economic Botany*, *Environmental Politics*, *Ecological Economics*, *Long Range Planning*, *Umwelt Aktuell*, etc.]

Deb, Debal 2006. Development against freedom and sustainability. *Capitalism Nature Socialism* (New York) 17: 49-70.

Deb, Debal 2003. Tagore's Oriental Postmodernity. *CTheory* (29/9/2003) URL: <http://www.ctheory.net/articles.aspx?id=430>

Deb, Debal 2003. The non-use value of biodiversity and biophilia. Document for NBSAP.
URL: <http://sdnp.delhi.nic.in/nbsap/themes/culture/nuvalueofbio.html>; <http://www.cintdis.org/images/PDF/nuvalue.pdf>

Malhotra, K C, **Debal Deb**, M Dutta, *et al.* 1993. The role of non-timber forest products in village economies of southwest Bengal. *Rural Development Network Paper* 15d. (Summer 1993) ODI: London. URL: <http://www.mekonginfo.org/mrc/rdf-odi/english/papers/rdfn/15d-i.pdf>

Deb, Debal and K C Malhotra 1992. Forest regeneration and plantation in Midnapore District: a status report. *Wastelands News* (New Delhi) 7 (3): 32-33.

Malhotra, K C, **Debal Deb**, M Dutta, *et al.* 1992. The Role of Non-Timber Forest Products in Village Economy. IBRAD: Calcutta.

Malhotra, K C, **Debal Deb** and T S Vasulu 1992. Restitution of biodiversity in Southwest Bengal forests. *Journal of the Indian Anthropological Society* (Calcutta) 27: 35-47.

Malhotra, K C, M. Poffenberger, A Bhattacharya and **Debal Deb** 1991. Rapid appraisal methodology trials in southwest Bengal: assessing natural regeneration patterns and non-wood forest product harvesting practices. *Forests, Trees and People* No. 15/16: 18-25.

List of Publications (contd.)

Ecotoxicology

Deb, Debal and S Banerjee 1987. Muscle protein degradation in fishes exposed to Mahua oil cake. *Environment and Ecology* 5: 704-706.

Folkloristics

Mandal, P. and **Debal Deb** 1995. Structural generalities in folk tales from three States of North-East India. *Journal of the Indian Anthropological Society* 29: 105-111.

Film theory

Deb, Debal 1990. *The Sacrifice*: despair, faith and negative classicism. *Deep Focus* (Bangalore) 3(3): 36-41.

Monographs, Technical Reports and Working Papers

Deb, Debal, Kavitha Kuruganti, V Rukmini Rao and Salome Yesudas 2014. *Forests as Food Producing Habitats: An exploratory study of uncultivated foods and food & nutrition security of Adivasis in Odisha*. Living Farms: Bhubaneswar. <http://agrobiodiversityplatform.org/files/2014/10/Forests-as-Food-producing-habitats.pdf-28th-September.pdf>

Deb, Debal 2013. *Toward Sustainable Use of Forest Resource: Connecting Forest Ecology to Village Economy*. RCDC. Bhubaneswar. http://rcdcindia.org/PbDocument/eea4848fc0d9b6c-f060-4828-aeb5-c673cfb48035RCDC_ReDD_ecological.pdf

Deb, Debal 2004. Non-use value of biodiversity and biophilia. In: KC Malhotra et al (eds), *Culture and Biodiversity: Thematic Action Plan for National Biodiversity Strategy and Action Plan*. Ministry of Environment and Forests, Government of India/ Kalpavriksh: Pune. [Available at: <http://www.cintdis.org/media/nuvalue.pdf>]

Deb, Debal 1998. *The human ecology of Ritchie's Archipelago: The Anthropogenic impact on Rani Jhansi Marine National Park*. Andaman and Nicobar Islands Environmental Team, Madras Crocodile Bank Trust: Mamallapuram, India.

Deb, Debal, T S Vasulu and K C Malhotra 1994. *Tribal cultural heritage and biodiversity conservation*. Mimeo. WWF-India Eastern India: Calcutta.

Deb, Debal 1991. *Ecological methods for estimating primary productivity for sal forests: a review and some recommendations*. Working Paper. IBRAD: Calcutta.

Deb, Debal 1990. *An estimation of the possible effects of community leaf harvesting on the productivity of sal forests in West Bengal*. Working Paper. IBRAD: Calcutta.

Book Reviews

2017. Review of *Crises of Capitalism* by Saral Sarkar. *Ecological Economics* (forthcoming).

2011. Review of *Rebels for the Soil* by Matthew Reed. *Economic Botany* 65 (2): 236-237.

2010. Review of *Sacred Spaces and Religious Traditions in Oriente Cuba* by Jualynne E. Dodson. *Economic Botany* 64 (3): 269-270.

1997. Review of *Taming the Dragon: Transforming economic institutions in the face of global change* by Carlo C Jaeger. *Journal of Human Ecology* 9: 201-204.

1992. Review of *Vaulting Ambition: Sociobiology and the Quest for Human Nature* by Philip Kitcher. *Journal of the Indian Institute of Science* 72: 217-219.