

KAMALJIT S. BAWA

CURRICULUM VITAE

Education:

- Ph. D. Punjab University, Chandigarh, India, 1967.
M.S. (Honors), Punjab University, Chandigarh, India, 1962.
B.S. (Honors), Punjab University, Chandigarh, India, 1960.
B.S. Punjab University, Chandigarh, India, 1958.

Professional Record:

- 1996-present President, Ashoka Trust for Research in Ecology and the Environment, Bangalore, India.
1996-present Distinguished Professor of Biology, Biology Department, University of Massachusetts, Boston.
2009-2010 Ruffolo Giorgio Fellow in Sustainability Science, Harvard University, Cambridge, MA 02138
1989-1992 Chairman, Biology Department, University of Massachusetts, Boston.
1981-1996 Professor, Department of Biology, University of Massachusetts, Boston.
1974-1981 Assistant Professor (1974-1977), Associate Professor (1977-1981) Department of Biology, University of Massachusetts Boston.
1973-1974 Research Fellow, Gray Herbarium, Harvard University, Cambridge, MA.
1967-1972 Postdoctoral Research Associate and Instructor, College of Forest Resources, University of Washington, Seattle, WA.
1962-1967 Graduate Research Assistant, Botany Department, Punjab University, Chandigarh, India.

Honors/Awards:

- 1972 Maria Moors Cabot and Charles Bullard Research Fellowships, Harvard University
1981 Chancellor's Award for Distinction in Scholarship, University of Massachusetts, Boston
1984, 88, 96, 99 Dean's Outstanding Achievement Award, University of Massachusetts, Boston
1987-1988 Guggenheim Fellowship
1991-1994 Research Professor, University of Massachusetts, Boston
1991-1996 Pew Scholar in Conservation and the Environment
1996-2003 Distinguished Professorship, University of Massachusetts, Boston
2003 Honorary Fellow, Association for Tropical Biology and Conservation
2007 Chancellor's Award for Distinction in Service, University of Massachusetts, Boston
2009 Distinguished Service Award 2009, Society for Conservation Biology
2009 Charles Bullard Research Fellow, Harvard University
2009 Giorgio Ruffolo Research Fellow in Sustainability Science, Harvard University

- 2012 Gunnerus Award (Prize) in Sustainability Research bestowed by the Royal Norwegian Society of Sciences and Letters.
- 2014 Honorary Doctor of Science, University of Alberta, Edmonton, Canada

Offices Held in Professional Associations/Membership in Advisory Panels/Editorial Boards:

Professional Associations

- Convener, Action Group of the International Union of Forestry Research Organization (IUFRO) on the Reproductive Biology of Tropical Trees, 1975-1977
- Councilor, Association for Tropical Biology, 1985-1987
- Councilor, Society of Economic Botany, 2000-
- President Elect, Association for Tropical Biology, 1999
- President, Association for Tropical Biology and Conservation, 2000
- Elected Fellow, National Academy of Sciences, India
- Elected Fellow, American Association for the Advancement of Sciences, 2007
- Elected Fellow, American Academy of Arts and Sciences, 2012
- Elected Fellow, Royal Norwegian Society of Sciences and Letters, 2012

Advisory Panels

- Panelist, National Science Foundation Advisory Panel on Undergraduate Research Participation, 1977, 1979;
- La Selva Advisory Committee, Organization for Tropical Studies, 1978-1985
- Member, Forest Genetic Resources Work Group constituted by the National Research Council/National Academy of Sciences on Global Management of Forest Genetic Resources, 1987-1989
- Member, Advisory Committee, Friends of Lomas Barbudal (A Conservation Organization based in Costa Rica)
- Member, NSF Advisory Panel on Conservation and Restoration Biology, 1991
- Member, NSF Advisory Panel on Population Biology; 1993, 1994
- Member, Program Advisory Committee, WWF Program on Socio-Economic Root Causes of Biodiversity Loss, 1997-1999
- Leader, Review Team on Forest Genetic Resources, International Plant Genetic Resources Institute, Rome, Italy, 1998
- Member, Advisory Committee W. L. Brown Center for Plant Genetics Resources, Missouri Botanical Garden, St. Louis, Missouri. 2003-
- Member, Review Panel, Center for Sustainability, Missouri Botanical Garden. 2006
- Member, Scientific Advisory Board, TEAM Program, Conservation International. 2007-

- Member, Science Committee, DIVERSITAS –Agrobiodiversity Group. 2006-
- Member, U.S National Committee for the International Union of Biological Sciences, 2002 - 2008
- Member, Science Panel for Ecosystem Change and Human Well Being , ICSU Program for Asia and Pacific, 2008-2009
- Member Advisory Panel, Nature Serve 2010-
- Member, Advisory Committee, CONABIO, Mexico 201-
- Member, Committee for Research and Exploration, National Geographic Society 2011-

Editorial Boards

- Associate Editor, Conservation Biology, 1987-1993
- Associate Editor, Economic Botany, 1997-
- Editorial Board, Journal of the Arnold Arboretum, 1986-1990
- Editorial Board, Journal of Tree Sciences, 1986-1991
- Editorial Board, Evolutionary Trends in Plants, 1987-1992
- Editorial Board, Journal of Sustainable Forestry, 1992-
- Editorial Advisory Board, Plant Systematics and Evolution, 1993-1998
- Editor in Chief, Conservation and Society 2001-
- Associate Editor, Ecology and Society, 2009-
- Academic Editor, PLoS One, 2011-

Board Memberships

- Member, Governing Board, Foundation for Rehabilitation of Local Health Traditions, Bangalore, India, 1998-
- Founder and Trustee, Ashoka Trust for Research in Ecology and Environment, Bangalore, India, 1996-
- Chairman, Governing Board, Ashoka Trust for Research in Ecology and Environment, Belmont, Massachusetts, 1996- (President 1996-1998)
- Member, Board of Directors, New England Forestry Foundation. Groton, MA. 2000-2004
- Member , Board of Advisors, Solutions Benefiting Life, Sudbury. MA. 2005-
- Founder and Trustee, Center for Interdisciplinary Studies in Environment and Development, Bangalore, 2000 -2009
- Trustee, Suri Sehgal Foundation, Gurgaon, India. 2005-

Membership in Professional Societies:

New England Botanical Club, Association for Tropical Biology, Society for the Study of Evolution, Society of American Naturalists, Ecological Society of America, Society for Conservation Biology, Society of Economic Botanists, American Institute of Biological Sciences, American Association for the Advancement of Science.

Reviewer for:

American Journal of Botany, American Scientist, Ecology, Evolution, Forest Science, Journal of the Arnold Arboretum, Silvae Genetica, Systematic Botany, Science, American Naturalist, Canadian Journal of Botany, Canadian Journal of Forest Sciences, Canadian Journal of Botany, Economic Botany, Biotropica, Bulletin Torrey Botanical Club, Quarterly Review of Biology, Grana, Tropical Ecology, Oikos, Trends in Ecology and Evolution, Nature, Journal of Tropical Forest Science, Taxon, Oecologia, Botanical Gazette, Plant Systematics and Evolution, Science, Biological Conservation, Environmental Conservation, and many more

Reviewed Grant Proposals for:

National Science Foundation; Centre for Field Research; Organization for Tropical Studies; National Geographic Society, Save the Tiger Fund, MacArthur Foundation, and many more.

Invited Participation in Professional Meetings:

Invited Speaker , Symposium: TROPICAL ECOSYSTEMS, organized by the Ecological Society of America at the Annual AAAS Meetings in Mexico City, June 1973.

Invited Speaker ,Symposium: VARIATION, BREEDING, AND CONSERVATION OF TROPICAL FOREST TREES, organized by the Linnean Society of London at Oxford, April 1975.

Invited Speaker ,Symposium: TROPICAL TREES, sponsored by the Cabot Foundation (Fourth Cabot Symposium), Harvard University, April 1976. (Chaired a session; no paper presented). XVI IUFRO World Congress, Oslo, Norway, June-July 1976.

Invited Speaker , Symposium: MODERN TRENDS IN PLANT TAXONOMY, held at the National Botanical Research Institute, Lucknow, India, March 1978.

Invited Speaker , Symposium: REPRODUCTION IN FLOWERING PLANTS, held in Christchurch, New Zealand, February 1979.

Invited Speaker, Session: POPULATION DYNAMICS OF TROPICAL TREES, held at the Symposium of the International Society of Tropical Ecology, Kuala Lumpur, April 1979.

Invited Speaker, Symposium: TROPICAL ECOLOGY OF COSTA RICA, AIBS Meeting at Stillwater, Oklahoma, August 1979.

Invited Speaker, Symposium: EVOLUTION OF PATTERNS OF SEXUALITY, organizer and participant, 2nd International Congress in Systematics and Evolutionary Biology. Vancouver, B.C., July 1980.

Invited Speaker, Symposium: REPRODUCTIVE STRATEGIES IN PLANTS AND ANIMALS, 27th Annual Systematics Symposium of the Missouri Botanical Garden, sponsored in part by the National Science Foundation, October 1980.

Invited Speaker, Symposium: SPECIATION IN TROPICAL RAIN FOREST TREES, International Botanical Congress, Sydney, Australia, August 1981.

Invited Speaker, Symposium: POLLINATION AND EVOLUTION, International Botanical Congress, Sydney, Australia, August 1981.

Invited Speaker, Symposium: EVOLUTION OF DIOECY, AIBS Meeting at University Park, Pennsylvania, August, 1982.

Invited Speaker, Symposium: PERSPECTIVES IN POPULATION BIOLOGY OF TROPICAL FOREST TREES, organizer and participant, AIBS Meeting at University Park, Pennsylvania, August, 1982.

Invited Speaker, Symposium: ADVANCES IN CHROMOSOMAL CYTOLOGY AND SELF-INCOMPATIBILITY. Post-International Genetics Congress Symposium. Punjab University, Chandigarh, India, December, 1983.

Invited Speaker, Symposium: CHANGING CONCEPTS OF GEMETOPHYTIC SELF-INCOMPATIBILITY IN PLANTS. AIBS Meeting at Fort Collins, Colorado, August 1984.

Invited Speaker, Symposium: LABILE SEXUALITY IN PLANTS. AIBS Meeting at Fort Collins, Colorado, August 1984.

Invited Speaker, Symposium: TROPICAL FOREST REGENERATION: CONSERVATION AND MANAGEMENT. Harvard Forest, Petersham, MA., July 1985.

Invited Speaker, Symposium: ECOLOGY AND MANAGEMENT OF TROPICAL RAIN FORESTS, Guri, Venezuela, November 1986.

Invited Speaker, Symposium: REPRODUCTIVE ECOLOGY OF TROPICAL FOREST PLANTS. Organizer and Participant Sponsored by MAB Program of UNESCO and The Decade of Tropics Program of IUBS. Bangi, Malapsia, June 1987.

Invited Speaker, Symposium: SEXUAL DIMORPHISM IN PLANTS. Organizer and Participant Sponsored by International Botanical Congress, Berlin, August 1987.

Invited Speaker, Symposium: SYNECOLOGY OF FLOWERS AND THEIR POLLINATORS. International Botanical Congress, Berlin, August 1987.

Invited Speaker, Conference: REHABILITATION OF DISTURBED ECOSYSTEMS: A GLOBAL VIEW. Varanasi, India, December 1987.
First Asian School on CONSERVATION BIOLOGY, Bangalore, India, December 1987.

Invited Speaker, International Conference: RESEARCH IN PLANT SCIENCES AND ITS RELEVANCE TO FUTURE, Delhi, India, March 1988.

Invited Speaker, Symposium: TWENTY FIVE YEARS OF ORGANISMIC AND POPULATION BIOLOGY. Meeting organized to celebrate the Silver Jubilee Anniversary of the Organization for Tropical Studies. Miami, June 1988.

Invited Speaker, Workshop: EVOLUTION AND MAINTENANCE OF BIOTIC DIVERSITY IN THE TROPICS: THE ROLE OF ECOLOGICAL FACTORS. Workshop organized to celebrate the Silver Jubilee Anniversary of the Organization for Tropical Studies, La Selva, Costa Rica, June 1988.

Invited Speaker, Symposium: GENETIC DIVERSITY IN TROPICAL FOREST TREES: IMPLICATIONS FOR CONSERVATION BIOLOGY. AIBS Meeting at Davis, California, August 1988.

Invited Speaker, Symposium: BIOLOGY OF RARE PLANTS: IMPLICATIONS FOR CONSERVATION AND MANAGEMENT. St. Louis, Missouri, March 1989.

Invited Speaker, Symposium: CONSERVATION OF BIODIVERSITY: Kuala Lumpur, Malaysia, June 1990.

Invited Speaker, Workshop: RESEARCH AGENDA FOR BIODIVERSITY. Harvard Forest, Petersham, Massachusetts. June 1991.

Invited Speaker, Workshop: METHODS FOR SOCIAL SCIENCE RESEARCH ON NON-TIMBER FOREST PRODUCTS. Bangkok, Thailand. May 1992.

Invited Speaker, Symposium: CONSERVATION OF BIODIVERSITY IN THE HIMALAYS. G.B. Plant Institute of Himalayan Environment and Development, Almora, India. October 1992.

Invited Speaker, Symposium: GENETIC CONSERVATION AND PRODUCTION OF SEED IN TROPICAL FOREST TREES. Chiang Mai, Thailand, June 1993.

Invited Speaker, Symposium: INDIGENOUS KNOWLEDGE AND CONSERVATION. Kathmandu, Nepal. April 1994.

Invited Speaker, Symposium: MANAGEMENT OF TROPICAL FORESTS. Guadalajara, Mexico. July 1994.

Invited Speaker, Symposium: MEASUREMENT AND MONITORING OF BIODIVERSITY. Chiang Mai, Thailand. August 1994.

Workshop: EXPERT CONSULTATION ON NON-WOOD FOREST PRODUCTS. Yogyakarta, Indonesia. January 1995.

Invited Speaker, Workshop: PRIORITY SETTING FOR CONSERVATION IN ASIA. Baltimore, MD. April 1995.

Invited Speaker, Symposium: CLIMATE CHANGE AND TROPICAL FORESTS. San Juan, Puerto Rico. April 1995.

Invited Speaker, Workshop: IN SITU CONSERVATION OF FOREST GENETIC RESOURCES. Center for International Forestry Research. Bogor, Indonesia. November 1995.

Invited Speaker, Symposium: POPULATION, ENVIRONMENT, AND DEVELOPMENT. TATA Energy Research Institute. Washington, DC. March 1996.

Invited Speaker, Workshop: PERMANANT FOREST PLOTS AND BIODIVERSITY. Karnataka Forest Department. Bangalore, India. April 1996. (Keynote address)

Invited Speaker, SETTING PRIORITIES FOR THE CONSERVATION OF BIODIVERSITY. World Wildlife Fund. New Delhi, India. April 1996.

Invited Speaker, Colloquium: INTERNATIONAL CORPORATE BIODIVERSITY GROUP: REVIEW OF THE BIPROSPECTING PROGRAM, National Institute of Health, Bethesda, MD, July 1996.

Invited Speaker, Workshop: INTERNATIONAL WORKSHOP ON SUSTAINABLE FOREST MANAGEMENT: MONITORING AND VERIFICATION OF GREENHOUSE GAS FLOWS, San Jose, Costa Rica, July 1996.

Invited Speaker, International Conference: DIVERSITY AND ADAPATATION IN FOREST ECOSYSTEMS IN A CHANGING WORLD. University of British Columbia, Vancouver, BC, Canada. August 1996.

Invited Speaker, Workshop: BUILDING ECOLOGICAL MANAGEMENT CAPACITY WITHIN DEVELOPING NATIONS: RELEVANCE OF CORE PRINCIPLES AND TOOLS OF ECOLOGICAL SCIENCE. Ecological Society of America / Society for Conservation Biology Annual Combined Meeting. August 1996.

Invited Speaker, Symposium: THINKING GLOBALLY AND WORKING GLOBALLY: ECOLOGICAL INSIGHTS FORM INTERREGIONAL COMPARATIVE STUDIES. ESA/ SCB Meetings. Providence, RI. August 1996.

Invited Speaker, Symposium: MEASURING CONSERVATION IMPACT: AN INTERDICIPINARY APPROACH TO PROJECT MONITORING AND EVALUATION. ESA/ SCB Meetings. Providence, RI. August 1996.

Plenary Lecture: Brazilian Genetics Congress, September, 1996.

Invited Speaker, Symposium: CONSERVATION OF BIODIVERSITY IN THE WESTERN GHATS. Salim Ali School of Ecology Centenary Symposium. November 1996.

Invited Speaker, Workshop: LAND USE AND BIODIVERSITY CONSERVATION. International Workshop on Land Use and Land Cover Change. Himalaya Climate Center, Kathmandu, Nepal, April 1997.

Invited Speaker, Symposium: DEFORESTATION AND CONSERVATION OF BIODIVERSITY IN WESTERN GHATS. MacArthur Grantees Meeting, Kunming, China, April 1997.

Invited Speaker, Symposium: BIODIVERSITY LOSSES: MAGNITUDE AND SOLUTIONS. AIBS Meeting, Montreal, Canada, August 1997.

Invited Speaker, Symposium: LANDUSE CHANGE IN SOUTH ASIA. Meeting on Earth's Changing Land, Barcelona, Spain. March, 1998.

Invited Speaker, Symposium: GENE FLOW IN TROPICAL TREES. Annual Meeting of Association for Tropical Biology. July, 1998.

Invited Speaker, Symposium: DATA REQUIREMENTS FOR LAND USE CHANGE. Paper on Data Requirements for Biodiversity Conservation, Barcelona, Spain. November 1997.

Invited Speaker, Symposium: COMMUNITY BASED CONSERVATION. International Conference on Medicinal Plants, Bangalore, India. February 1998.

Invited Speaker, Symposium: CONSERVATION OF PLANT GENETIC RESOURCES. International Congress of Genetics, Beijing, China. August, 1998.

Keynote Address: Fiftieth Brazilian Botanical Congress, July, 1999

Invited Speaker, Symposium: GLOBAL CHANGE AND BIODIVERSITY: International Botanical Congress, St Louis, Missouri, August, 1999.

Invited Speaker, Symposium: FOREST FRAGMENTATION AND GENETIC DIVERSITY: International Botanical Congress, St Louis, Missouri, August, 1999.

Invited Speaker, Symposium: ETHNOECOLOGY AND TRADITIONAL KNOWLEDGE: International Botanical Congress, St Louis, Missouri, August, 1999.

Invited Speaker, Special Symposium: EVOLUTION AND DEVELOPMENT: University of Minas Gerais, Minas Gerais, Brazil. December, 1999.

Invited Speaker , International Conference: NATURAL RESOURCE MANAGEMENT AND AGRICULTURAL PRODUCTION: Indian Agricultural Research Institute, New Delhi. February, 2000.

Distinguished Lecture: SUSTAINABLE USE AND MANAGEMENT OF TROPICAL FORESTS. Biodiversity Institute, University of Agricultural Sciences, Uppsala, Sweden. April, 2000.

Invited Speaker , Workshop: CONSERVATION OF FOREST GENETIC RESOURCES. Ashoka Trust for Research in Ecology and the Environment (ATREE), Bangalore. July, 2000.

Invited Speaker , Workshop: CLIMATE CHANGE AND BIODIVERSITY. International Union for Conservation of Nature (IUCN), Gland, Switzerland. February, 2001.

Invited participation in four symposia held at the international conference entitled TROPICAL ECOSYSTEMS: STRUCTURE, DIVERSITY AND HUMAN WELFARE, Bangalore, India. July, 2001.

Keynote Address: International Workshop entitled INTEGRATED MANAGEMENT FOR SUSTAINABLE AGRICULTURE, Forestry and Fisheries. CIAT, Cali, Colombia. August, 2001.

Invited Speaker, Symposium: DEMOGRAPHY OF NON TIMBER FOREST PRODUCT SPECIES. Society for Economic Botany Annual Meetings, New York Annual Meeting, June 22-28, 2002, New York City.

Invited Speaker , Symposium: LAND USE AND LAND COVER CHANGE. Association for Tropical Biology Annual Meeting , Panama City, Panama. July-August 2002.

Invited Speaker , Symposium: NON TIMBER FOREST PRODUCTS. Association for Tropical Biology and Annual Meeting, Panama City, Panama. July-August, 2002.

Organized a workshop on RESEARCH PRIORITIES IN TROPICAL BIOLOGY. Association for Tropical Biology Annual Meeting, Panama City, Panama. July-August, 2002.

Organized a workshop on HUMAN DIMENSIONS OF BIODIVERSITY LOSS on behalf of the U. S. National Committee of the International Union of Biological Sciences, Washington, D. C. October 2002.

Organized a workshop on RESEARCH PRIORITIES IN TROPICAL BIOLOGY. Association for Tropical Biology and Conservation Annual Meeting, Aberdeen, Scotland. July, 2003.

Invited Speaker , Workshop on GREENING OF AGRICULTURE organized by DIVERSITAS, Alexandria, Egypt. May 2004.

Invited Speaker, Workshop on REGIONAL COOPERATION IN BIODIVERSITY HOTSPOTS OF THE SOUTH ASIAN REGION, Bangalore, India. September 2004

Keynote Speaker, Annual Meeting of the Canadian Botanical Association. Montreal, June 2006

Invited Speaker, COMMUNITY BASED CONSERVATION. International Conference on Participatory Plant Breeding, Chennai, India, October, 2006

Keynote Speaker, UNSHACKLING TROPICAL BIOLOGY, Annual Meeting of the Association for Tropical Biology and Conservation, Morelia, Mexico, July 2007

IUBS (International Union of Biological Sciences) Conference: BIOLOGICAL SCIENCES FOR THE 21ST CENTURY. MEETING THE CHALLENGES OF SUSTAINABILITY IN AN ERA OF GLOBAL CHANGE. Washington, DC, May 2007

Chair, Panel Discussion on Capacity Building, IUBS Conference: BIOLOGICAL SCIENCES FOR THE 21ST CENTURY. MEETING THE CHALLENGES OF SUSTAINABILITY IN AN ERA OF GLOBAL CHANGE. Washington, DC, May 2007

Keynote Speaker, Association for Tropical Biology and Conservation, Annual Meeting, Morelia, Mexico. August, 2007.

Invited Participant, ENCYCLOPEDIA OF LIFE Meetings, St. Louis. November , 2007

Invited Panelist, INTERNATIONAL CONFERENCE ON SUSTAINING BIOCULTURAL DIVERSITY. American Museum of Natural History, New York. April, 2008.

Invited Speaker, INTERNATIONAL SYMPOSIUM ON AGROBIODIVERSITY. University of California, Davis. April 2008.

Keynote address, INTERNATIONAL CONFERENCE ON TROPICAL RAINFORESTS AND AGROFORESTS UNDER GLOBAL CHANGE , BALI, INDONESIA, October 9,10, 2008

Invited Speaker, SYMPOSIUM ON INTEGRATING TRADITIONAL AND SCIENTIFIC KNOWLEDGE, MISSOURI BOTANICAL GARDEN. November 5, 2008.

Invited Speaker, INTERNATIONAL CONFERENCE ON INDIAN TRADITIONAL KNOWLEDGE: HISTORY, INFLUENCES, AND NEW DIRECTIONS FOR NATURAL SCIENCE, BANGALORE, February 22-24, 2009

Invited Speaker, GLOBAL TAXONOMY INITIATIVE OF BIONET, Teddington, England, June 4-6, 2009

Invited Speaker, GLOBAL TAXONOMY PARTNERSHIP FUND, Museum of Natural History, Paris, June 17- 18, 2009

Keynote Speaker, INTERNATIONAL CONFERENCE ON CANOPY RESEARCH. Bangalore, October 2009.

Invited Speaker, SYMPOSIUM ON NEW APPROACHES TO MONITORING BIODIVERSITY. SOCIETY FOR CONSERVATION BIOLOGY ANNUAL MEETING, BEIJING, July 11-16, 2009.

Invited Speaker and Co-organizer of WORKSHOP ON TRADITIONAL KNOWLEDGE AND ENVIRONMENTAL CHANGE, SPONSORED BY INTERNATIONAL UNION OF BIOLOGICAL SCIENCES , Cape Town 9 , October 8, 2010.

Organiser, WORKSHOP ON HUMAN DIMENSIONS OF BIODIVERSITY CHANGE, SPONSORED BY INTERNATIONAL UNION OF BIOLOGICAL SCIENCES, Cape Town, October 11, 2009.

Invited Speaker, SYMPOSIUM ON INVASIVE SPECIES. DIVERSITAS Open Science Congress, Cape Town , October 13- 16, 2009.

Organiser, SYMPOSIUM ON BIODIVERSITY CHANGE AND HUMAN WELL- BEING, DIVERSITAS Open Science Congress, Cape Town, October 13- 16, 2009.

Key note Speaker: INTERNATIONAL FORUM ON BIODIVERSITY AND CLIMATE CHANGE, November 5-6, Bogota, Colombia 2009

Invited Speaker, SYMPOSIUM ON DARWIN AND HUMAN EVOLUTION, Sponsored by the Asiatic Society, Calcutta. February 10-12, 2010

Invited Speaker, INTERNATIONAL CONFERENCE ON CLIMATE CHANGE AND FOOD SECURITY, M.S. Swaminathan Research Foundation , Chennai, India, February 15-17, 2010

Invited Panelist: NATIONAL CONSULTATION ON TAXONOMY. Bangalore, India. March 2010.

Invited Speaker, WORKSHOP ON SCIENCE AND DIPLOMACY. Washington, DC. May 22, 2010. Sponsored by AAAS, Washington DC

Invited Speaker, CONFERENCE TO HONOR IGNACY SACHS, Grenoble, France. June 3, 2011

Invited Speaker: WORKSHOP ON LAND USE CHANGE. Sydney, April 4-8, 2011 Sponsored by CSIRO.

Keynote Speaker: SYMPOSIUM ON HIMALAYAS: ENVIRONMENT, CULTURE

AND LIVELIHOODS. Yale University. May 11, 2011

Invited Speaker: WORKSHOP ON CLIMATE CHANGE IN MOUNTAINS. Sponsored by NatureServe and MacArthur Foundation, Cali, Colombia, March 20-22, 2012

Invited Speaker: WORKSHOP ON ECOSYSTEM SERVICES AND POVERTY ALLEVIATION. Sponsored by ESPA. Oxford, May 27-29, 2012

Invited Speaker, ECOSYSTEM SERVICES IN MOUNTAINS SYNTHESIS WORKSHOP. Sponsored by Mountain Research Institute, Bern, Switzerland 11-14 September, 2012

INVITED SPEAKER AND CO-ORGANISER, BIODIVERSITY Informatics Workshop, Sponsored by the Indo-US Science and Technology Cooperative Program, Bangalore, India. 21-23 January, 2013

Invited Lectures:

Harvard University, Yale University, University of Pennsylvania, Boston University, University of Massachusetts-Amherst, Tropical Ecology Group-Dartmouth College, Missouri Botanic Gardens, University of Connecticut, Punjab University (India), National Botanical Research Institute, Lucknow (India), Northeast Hill University, Shillong (India), University of New Hampshire, State University of New York-Stonybrook, University of Chicago, Rutgers University, New York Botanical Garden, University of Maine, Brown University, University of Delaware. Pondicherry University (India), Indian Institute of Science (India); University of Agricultural Sciences, Bangalore (India), Birbal Sahni Institute of Paleobotany, Lucknow (India), Oxford University (U.K.), University of St. Andrews (U.K.), Royal Botanic Gardens, Edinburgh (U.K.), Clark University, University of Connecticut, Storrs, Tulane University.....and many more.

Awards and Grants: (from external sources)

- 1969 OTS (Organization for Tropical Studies) Pilot Study Grant, Chromosome Numbers in Tropical Tree Species, \$3,000.00.
- 1970 OTS Pilot Study Grant, Breeding Systems of Tree Species of a Tropical Deciduous Forest, \$3,000.00
- 1970 National Science Foundation Grant, Breeding Systems of Tree Species of a Tropical Deciduous Forest, \$20,000.00 (as a participating scientist.)
- 1972 Charles Bullard and Maria Moors Cabot Research Fellowships in Forest Sciences at Harvard University.
- 1975 National Science Foundation Grant (DEB 75-21018), Breeding Systems of Tree Species of a Tropical Rain Forest, \$48,700.00 for 2 years.

- 1976 National Science Foundation URP Grant (SMI 75-03852), Undergraduate Research Participation, \$8,600.00 for 1 year.
- 1977 National Science Foundation URP Grant (SMI 76-83985, Undergraduate Research Participation, \$29,550.00 for 3 years (1977-1979).
- 1977 Smithsonian Institution, Reproductive Biology of Tropical Forest Trees in India, \$4,100.00.
- 1978 National Science Foundation Grant (DEB 77-25558), Breeding Systems of Tree Species of a Tropical Rain Forest, \$133,000.00 for 3 years (1978-1981)
- 1979 National Science Foundation, Equipment Grant, \$5,600.00 (NSF: \$2,800.00; matching funds from University of Massachusetts, \$2,800.00).
- 1983 National Science Foundation, Genetic Variation in Tropical Forest Trees, \$155,590 for 3 years (1982-1985).
- 1983 Smithsonian Institution, Conversion Rates of Indian Forests, \$9500 for one year.
- 1984 Agency for International Development. Population biology of tropical plants in relation to conservation and domestication. \$150,000 for 3 years, co-principal investigator with Dr. Peter Ashton of Harvard University and Drs. N. and S. Gunatilleke of the University of Peradeniya of Sri Lanka.
- 1985 National Science Foundation, Equipment to support research in population genetics, \$30,000.
- 1987 National Science Foundation, Research Experiences for Undergraduates. \$40,000.
- 1987 Guggenheim Fellowship.
- 1988 Agency for International Development. Understanding the maintenance of tree species richness for silvicultural and conservation management. \$150,000 for 3 years (co-principal Investigator with Dr. Peter Ashton of Harvard University and Drs. N. and S. Gunatilleke of University of Peradeniya of Sri Lanka).
- 1990 National Science Foundation, Genetic Variation, effective population size, mating systems and gene flow in tropical rain forest trees. \$303,000 for 3 years.
- 1990 Conservation Food and Health Foundation. Conservation and Management of Tropical Forest Genetic Resources, \$10,000.
- 1991 Pew Scholarship, Pew Scholars Program in Conservation and the Environment, Conservation and Management of Forest Genetic Resources. \$150,000 for 3 years.

- 1991 MacArthur Foundation and Tata Energy Research Institute, New Delhi, India. Deforestation and Loss of Biodiversity in the Western Ghats, \$275,000 for 3 years
- 1991 Educational Foundation of America. Rainforest Collaboration - An Educational Project. \$175,000 (Joan Tonn, Principal Investigator).
- 1993 World Wildlife Fund. Conservation of Biodiversity in the Western Ghats, India. \$50,000 for one year.
- 1994 National Science Foundation. Conservation Genetics of Tropical Forestries. \$275,000 for 3 years.
- 1994 MacArthur Foundation. Conservation of Biodiversity in the Western Ghats and Eastern Himalayas. \$360,000 for 3 years.
- 1995 World Wildlife Fund. An integrated Approach Towards the Management of Tropical Forests for Extraction on Non-timber Forest products. \$610,000 for 3 years.
- 1995 National Institutes of Health. Bioprospecting for Potential Insecticides. \$120,000 for 3 years.
- 1995 National Science Foundation. Graduate Research Training Grant. \$525,000 for 5 years. (Michael Rex, Principal Investigator).
- 1996 International Plant Genetics Resources Institute. Conservation of Forest Genetic Resources in the Western Ghats. \$30,000 for 2 years.
- 1996 International Plant Genetics Resources Institute. *In Situ* Conservation of Forest Genetic Resources in Costa Rica. \$25,000 for 2 years.
- 1998 MacArthur Foundation. Research, Action, Policy Inputs, and Capacity Building for Biodiversity Conservation. 370,000 for 3 years.
- 1998 MacArthur Foundation. Conservation of Biodiversity in the Eastern Himalayas – Small Grants Program. \$200,000 for 3 years (Grant Awarded to Ashoka Trust for Research in Ecology and Environment, Belmont, MA).
- 1998 Conservation, Food, and Health Foundation. Institutional Resource Development. \$23,000 including \$11,000 in 1997 (Grant Awarded to Ashoka Trust for Research in Ecology and Environment, Belmont, MA).
- 1998 Conservation, Food, and Health Foundation. Impact of Human Populations on Biodiversity in Protected Areas of India. \$12,000 for 2 years (Grant Awarded to Support the Doctoral Research of Mr. S. Jha).
- 2000 Ford Foundation, New Delhi. Institutional Support for Ashoka Trust for

- Research in Ecology and the Environment. \$800,000 for three years.
- 2000 National Science Foundation. Mentoring for minority students in Environmental Biology. \$274,000 for three years. (Roger Wrubel, Principal Investigator).
- 2001 National Science Foundation. Support for an international conference on Tropical Ecosystems. \$50,000.
- 2001 NSF-REU Program for Mentoring Minority Students in Environmental Biology and Conservation. \$350,000. Three year grant. (Co-PI).
- 2001 Ford Foundation, New Delhi, \$30,000. Individual grant.
- 2002 National Science Foundation. Support for a workshop on Research Priorities in Tropical Biology, \$24,000.
- 2002 Sehgal Family Foundation, \$450,000. Three year grant on Checklist of India's plants.
- 2002 National Science Foundation. Impact of Land Use and Land Cover Change on the Breeding Systems of Cordia. \$350,000 for three years.
- 2002 Millennium Ecosystem Assessment Program. Sub-Global Assessment of Western Ghats and Eastern Himalayas. \$30,000 for one year.
- 2003 Conservation International. Preparation of the Western Ghats Profile. \$165,000 for one year.
- 2004 Blue Moon Fund. Engaging Markets to Advance Conservation and Rural Livelihoods. \$195,000 for three years.
- 2005 Save the Tiger Fund. Conservation of Biological Diversity at the Manas World Heritage Biodiversity Site, Assam, India. \$66,000 for one year.
- 2007 JRS Biodiversity Foundation. Ecoinformatics for Conservation and Sustainable Use. \$ 175,980 for two years,
2008. Blue Moon Fund. Enhancing Conservation and Livelihood Security in Biodiversity Hotspots \$600,000 for three years
2009. National Science Foundation. Workshops to Articulate and Disseminate Research Priorities on Forest Canopies. \$32,000.
2009. MacArthur Foundation. Exploration and Sustainable Use of Biodiversity in Eastern Himalayas. \$250,000 for two years.
2011. National Science Foundation. Research Priorities in Tropical Forest Canopies.

\$25,000 for one year.

2012. Climber Scientist Program. Climate Change in Himalaya. \$97,000 for one year

2014. National science Foundation. Tropical Forests Today: Reproduction and Conservation in the Face of Global Change. \$151,526 for two years.

List of Publications (excluding published abstracts and book reviews)

Books and Monographs

1. Bawa, K. S., P. S. Ashton, R. B. Primack, J. Terborgh, F. Ng, S. M. Nor and M. Hadley. 1989. *Reproduction Ecology of Tropical Forest Plants: Research Insights and Management Implication*. Biology International Special Issue, Vol. 21. 56 pp.
2. Bawa, K. S., and M. Hadley (eds.). 1990. *Reproductive Ecology of Tropical Forest Plants*. UNESCO, Paris and Parthenon Publishing Group, Cranforth, U.K. 421 pp.
3. National Academy of Sciences/National Research Council. 1991. *Managing Forest Genetic Resources: Forest Trees*. National Academy Press, Washington, D.C. 228 pp.
4. McDade, L., K. S. Bawa, H. Hespenehede, G. Hartshorn (eds.). 1994. *La Selva: Ecology and Natural History of a Neotropical Rain Forest*. University of Chicago Press, Chicago. 488 pp.
5. Ganeshiah, K. N., R. U. Shaanker, K. S. Bawa (eds.). 2001 *Forest Genetic Resources: Status, Threats and Conservation Strategies*. New Delhi: Oxford & IBH Publishing Co. Pvt. Ltd. 317 pp.
6. Ganeshiah, K. N., R. U. Shaanker, K. S. Bawa 2001(eds.). *Tropical Ecosystems: Structure, Diversity and Human Welfare*. New Delhi: Oxford & IBH Publishing Co. Pvt. Ltd. 792 pp.
7. Seidler, R. and K.S. Bawa (eds). 2004. *Dimensions of Sustainable Development*. UNESCO. ELOSS. <http://www.eolss.net/E1-46B-toc.aspx>
8. Kadur, S and K.S. Bawa. 2005. *Sahyadris: India's Western Ghats*. Ashoka Trust for Research in Ecology and the Environment, Bangalore, India. 245pp.
9. Jackson, L., U. Pascual, L. Brussard, P. de Ruiter and K.S. Bawa (eds.) *Biodiversity in Agricultural Landscapes: Investing Without Losing Interest*. Special Issue of *Agriculture, Ecosystems and Environment*, July 2007.
10. Bawa, K.S. Richard Primack and Meera Ommeen. 2010. *Conservation Biology: A Primer for South Asia*. Universities Press, Hyderabad. 577Pp.

11. Bawa, K.S. and Sandesh Kadur 2013. *Himalaya; Mountains of Life*. Ashoka Trust for Research in Ecology and the Environment, Bangalore, India. 324pp.

Papers in Journals and Book Chapters:

1. Mehra, P. N., and K. S. Bawa. 1968. B-Chromosomes in some Himalayan hardwoods. *Chromosoma* 25:90-95.
2. Mehra, P. N., and K. S. Bawa. 1969. Chromosomal evolution in tropical hardwoods. *Evolution* 23:466-481.
3. Bawa, K. S. and R. F. Stettler. 1969. Needed: information on breeding systems in tropical tree species. In: *Proceedings of the Second World Consultation of Forest Tree Breeding*. Washington, D.C. FO-FTB-69-8/13.
4. Stettler, R. F., K. S. Bawa, and G. K. Livingston. 1969. Haploidy: an approach to the development of high-yielding varieties. In: *Proceedings of the Second World Consultation on Forest Tree Breeding*. Washington, D.C. FO-FTB-69-8/17.
5. Stettler, R. F., K. S. Bawa, and G. K. Livingston. 1969. Experimental induction of haploid parthenogenesis in forest trees. In: *Induced Mutations in Plants*, 611-619, AO/IAEA, Vienna, Austria.
6. Mehra, P.N., and K. S. Bawa. 1970. Cytological observations on some northwest Himalayan orchids. *Caryologia* 23:273-282.
7. Stettler, R. F., and K. S. Bawa. 1971. Experimental induction of haploid parthenogenesis in black cottonwood (*Populus trichocarpa* T. & G. ex Hook). *Silva Genetica* 20:15-25.
8. Bawa, K. S., and R. F. Stettler. 1972. Organ culture with black cottonwood: morphogenetic response of female catkin primordia. *Canadian Journal of Botany* 50:1627-1631.
9. Bawa, K. S. 1973. Chromosome numbers of tree species of a lowland tropical community. *Journal of the Arnold Arboretum* 54:422-434.
10. **Bawa, K. S. 1974. Breeding systems of tree species of a lowland tropical community. *Evolution* 28:85-92.

11. **Bawa, K. S., and P. A. Opler. 1975. Dioecism in tropical forest trees. *Evolution* 29:167-179.
12. Solbrig, O. T., and K. S. Bawa. 1975. Isozyme variation in species of *Prosopis* (Leguminosae). *Journal of the Arnold Arboretum* 56:398-412.
13. Frankie, G. W., P. A. Opler, and K. S. Bawa. 1976. Foraging behavior of solitary bees: implications for out crossing of a neo-tropical forest tree species. *Journal of Ecology* 64:1049-1057.
14. Bawa, K. S. 1976. Cytogenetics of tropical forest trees: progress and prospects. In: *Proceedings XVII IUFRO World Congress, Section 2*, Oslo.
15. Bawa, K. S., and P. A. Opler. 1977. Spatial relationships between staminate and pistillate plants of some dioecious tropical forest trees. *Evolution* 31:64-68.
16. Bawa, K. S. 1976. Breeding of tropical hardwoods: an evaluation of underlying bases, current status and future prospects. In: *Tropical Trees: Variation, Breeding and Conservation*, eds. J. Burley and B. T. Styles, 43-59. Academic Press, London.
17. Bawa, K. S. 1977. The reproductive biology of *Cupania guatemalensis* Radlk. (Sapindaceae). *Evolution* 31:52-63.
18. Solbrig, O. T., K. S. Bawa, N. J. Carman, J. H. Hunziker, C. A. Naranjo, R. A. Palacois, L. Poggio, and B. B. Simpson. 1977. Patterns of variation. In: *Mesquite, Its Biology in Two Desert Scrub Ecosystems*, ed. B.B. Simpson, 44-60. Dowden, Hutchinson and Ross, Inc. Stroudberg, Pennsylvania.
19. Bawa, K. S., and P. A. Opler. 1978. Why are pistillate inflorescences of *Simarouba glauca* eaten less than staminate inflorescences? *Evolution* 32:673-676.
20. Opler, P. A., and K. S. Bawa. 1978. Sex ratios in tropical forest trees. *Evolution* 32:812-821.
21. Keegan, C. R., R. Voss, and K. S. Bawa. 1979. Heterostyly in *Mitchella repens* (Rubiaceae). *Rhodora* 81:567-573.
22. Bawa, K. S. 1979. Breeding systems of trees in a tropical lowland wet forest. *New Zealand Journal of Botany (Special Issue)* 17:521-524.
23. Bawa, K. S., and J. E. Crisp. 1980. Wind-pollination in the understory of a rain forest in Costa Rica. *Journal of Ecology* 68:871-876.
24. **Bawa, K. S. 1980. Mimicry of male by female flowers and intrasexual competition for pollinators in *Jacaratia dolichaula* (D. Smith) Woodson (Caricaceae). *Evolution* 34:467-474.

25. Beach, J. H., and K. S. Bawa. 1980. Role of pollinators in the evolution of dioecy from distyly. *Evolution* 34:1138-1142.
26. **Bawa, K. S. 1980. Evolution of dioecy in flowering plants. *Annual Review of Ecology and Systematics* 11:15-39.
27. Khosla, P. K., K. S. Bawa, A. S. Hans, and P. N. Mehra, 1980. Floristic account: East Himalayan forests. In: *Studies in Himalayan Ecology and Development Strategies*, ed. T. Singh, 89-103. English Book Store, New Delhi.
28. Bullock, S. H., and K. S. Bawa. 1981. Sexual dimorphism and the annual flowering pattern in *Jacaratia dolichaula* (D. Smith) Woodson (Caricaceae) in a Costa Rican Rain Forest. *Ecology* 62:1494-1504.
29. **Bawa, K. S., and J. H. Beach. 1981. Evolution of sexual systems in flowering plants. *Annals of the Missouri Botanical Garden* 62:254-274.
30. Bawa, K. S., C. R. Keegan, and R. H. Voss. 1982. Sexual dimorphism in *Aralia nudicaulis*. (Araliaceae). *Evolution* 36:371-378.
31. Bawa, K. S. 1982. Outcrossing and the incidence of dioecism in island floras. *American Naturalist* 119:866-871.
32. Bawa, K. S. 1982. Seed dispersal and the evolution of dioecism in flowering plants—a response to Herrera. *Evolution* 36:1322-1325.
33. Bolstad, P. V. and K. S. Bawa. 1982. Self incompatibility in *Gmelina arborea* L. (Verbenaceae). *Silvae Genetica* 31:19-21.
34. Bawa, K. S., C. J. Webb, and A. F. Tuttle. 1982. The adaptive significance of monoecism in *Cnidoscolus urens* (Euphorbiaceae). *Botanical Journal of the Linnean Society* 85:213-223.
35. Baker, H. G., K. S. Bawa, G. W. Frankie, and P. A. Opler. 1983. Reproductive biology of plants in tropical forests. In: *Tropical Rainforest Ecosystems: Structure and Function*, ed. F.B. Golley, 183-215. Elsevier, Amsterdam.
35. Bullock, S. H., J. H. Beach, and K. S. Bawa. 1983. Episodic flowering pattern and sexual dimorphism in *Guarea rhopalocarpa* in a Costa Rican rain forest. *Ecology* 64:851-861.
36. Webb, C. J., and K. S. Bawa. 1983. Pollen dispersal by hummingbirds and butterflies: a comparative study of two lowland tropical plants. *Evolution* 37:1258-1270.

37. Bawa, K. S., and C. J. Webb. 1983. Floral variation and sexual differentiation in *Muntingia calabura* (Elaeocarpaceae), a species with hermaphroditic flowers. *Evolution* 37:1271-1282.
38. Bawa, K. S., and J. H. Beach. 1983. Self-incompatibility systems in the Rubiaceae of a tropical lowland rainforest. *American Journal of Botany* 70:1281-1288.
39. Bawa, K. S., and G. W. Frankie. 1983. *Cochlospermum vitifolium* (Poro-poro, Cochlospermum, Silk Tree, Cotton Tree) In: *Costa Rican Natural History*, ed. D.H. Janzen, 215-216. University of Chicago Press, Chicago.
40. Bawa, K. S., and S. H. Bullock. 1983. *Guarea rhopalocarpa* (Caoba, Cabillo Cobano). In: *Costa Rican Natural History*, ed. D. H. Janzen, 246. University of Chicago Press, Chicago.
41. Bawa, K. S. 1983. *Jacartia dolichaula* (Papaya Silvestre, Papaya de Venado, Wild Papaya). In: *Costa Rican Natural History*, ed. D.H. Janzen, 264-266. University of Chicago Press, Chicago.
42. Bawa, K. S. 1983. *Trophis involucrata* (Morilla). In: *Costa Rican Natural History*, ed. D. H. Janzen, 338-339. University of Chicago Press, Chicago.
43. Frankie, G. W., W. A. Haber, P. A. Opler, and K. S. Bawa. 1983. Characteristics and organization of the large bee pollination system in the Costa Rican dry forest. In: *Handbook of Experimental Pollination Biology*, eds. C. E. Jones and R. J. Little, 411-447. Van Nostrand & Reinhold Co., New York.
44. Bawa, K. S. 1983. Patterns of flowering in tropical plants. In: *Handbook of Experimental Pollination Biology*, eds. C. E. Jones and R. J. Little, 395-410. Van Nostrand & Reinhold Co., New York.
45. Bawa, K. S., and C. J. Webb. 1984. Flower, fruit and seed abortion in tropical forest trees: implications for the evolution of paternal and maternal reproductive patterns. *American Journal of Botany* 71:736-751.
46. **Lloyd, D. G., and K. S. Bawa. 1984. Modification of the gender in seed plants in varying conditions. *Evolutionary Biology* 17:255-338.
47. Haber, W. A., and K. S. Bawa. 1984. Evolution of dioecy in *Saurauia* (Dilleniaceae). *Annals of the Missouri Botanical Gardens* 71:289-293.
48. Bawa, K. S. 1984. Evolution of dioecy - concluding remarks. *Annals of the Missouri Botanical Gardens* 71:294-296.
49. Bawa, K. S., and J. H. Beach. 1984. Self-incompatibility in the Rubiaceae of a tropical forest. *BioScience* 34:257-259.

50. **Bawa, K. S., D. R. Perry, and J. H. Beach. 1985. Reproductive biology of tropical lowland rain forest trees. I. Sexual systems and self-incompatibility mechanisms. *American Journal of Botany* 72:331-345.
51. Bawa, K. S., D. R. Perry, S. H. Bullock, R. E. Coville, and M. H. Grayum. 1985. Reproductive biology of tropical lowland rain forest trees. II. Pollination mechanisms. *American Journal of Botany* 72:346-356.
52. Webb, C. J., and K. S. Bawa. 1985. Patterns of fruit and seed at production in *Bauhinia unguolata* (Leguminosae). *Plant Systematics and Evolution* 151:55-65.
53. **Seavey, S. R., and K. S. Bawa. 1986. Late-acting self-incompatibility in angiosperms. *Botanical Review* 52:195-219.
54. Bawa, K. S., and D. O'Malley. 1987. Estudying geneticos y de sistemas de cruzamiento en algunas especies arboreus de bosques tropicales. *Revista Tropical Biologia* 35 (supplement):177-188.
55. O'Malley, D. M., and K. S. Bawa. 1987. Mating system of a tropical rain forest tree. *American Journal of Botany* 74:1143-1149.
56. **Uma Shaanker, R., K. N. Ganeshiah, and K. S. Bawa. 1988. Parent-offspring conflict, sibling rivalry and brood size patterns in plants. *Annual Review of Ecology and Systematics* 19:177-205.
57. Buckley, D., D. M. O'Malley, V. Apsit, and G. T. Prance, K. S. Bawa. 1988. Genetics of brazil-nut (*Bertholletia excelsa* Humb. & Bonpl. Lecythidaceae) I. Genetic variation in natural populations. *Theoretical and Applied Genetics* 76:923-928.
58. O'Malley, D. M., D. Buckley, G. T. Prance, and K. S. Bawa. 1988. Genetics of brazil-nut (*Bertholletia excelsa* Humb. & Bonpl.:Lecythidaceae) II. Mating system. *Theoretical and Applied Genetics* 76:929-932.
59. Bawa, K. S., and D. Buckley. 1989. Seed-ovule ratios, selective abortion and mating systems in Leguminosae. In: *Advances in Legume Biology. Monograph of Systemaic Botany*, eds. C. H. Striton and J. L. Zarucchi, 29:243-262. *Missouri Botanical Garden*.
60. Bawa, K. S., S. G. Hedge, K. N. Ganeshiah, and R. Uma Shaanker. 1989. Embryo and seed abortion in plants. *Nature* 342:625.
61. Cumaraswamy, A., and K. S. Bawa. 1989. Sex allocation and mating systems in pigeonpea (*Cajanus cajan* L.) *Plant Systematics and Evolution* 168:59-69.
62. **Bawa, K. S. 1990. Plant pollinator interactions in tropical rain forests. *Annual Review of Ecology and Systematics* 21:399-422.

63. Bawa, K. S., R. Primack, and D. Woodruff. 1990. Conservation of biodiversity: a Southeast Asian perspective. *Trends in Ecology and Evolution* 5:394-396.
64. Bawa, K. S. 1990. Plant pollinator interactions, sexual systems and pollen flow. Commentary. In: *Reproductive Ecology of Tropical Forest Plants*, eds. K. S. Bawa and M. Hadley, UNESCO, Paris and Parthenon Publishing, Carnforth, U.K.
65. Bawa, K.S., and F. S. P. Ng. 1990. Phenology Commentary. In: *Reproductive Ecology of Tropical Forest Plants*, eds. K. S. Bawa and M. Hadley, 17-20. UNESCO, Paris and Parthenon Publishing, Carnforth, U.K.
66. Ashton, P. S., and K. S. Bawa. 1990. Reproductive biology and tree improvement programmes. In: *Reproductive Ecology of Tropical Forest Plant*, eds. K. S. Bawa and M. Hadley, 345-348. UNESCO, Paris and Parthenon Publishing, Carnforth, U.K.
67. Bawa, K. S., P. S. Ashton, and S.M. Nor. 1990. Reproductive ecology of tropical forest plants. Management Issues. In: *Reproductive Ecology of Tropical Forest Plants*, eds. K. S. Bawa and M. Hadley, 3-13. UNESCO, Paris, Parthenon Publishing, Carnforth, U.K.
68. Bawa, K. S., and S. Krugman. 1991. Reproductive biology and genetics of tropical trees in relation to conservation and management. In: *Ecology and Management of Tropical Rain Forests*, eds. A. Gomez-Pompa and M. Hadley, 119-136. UNESCO, Paris and Parthenon Publishing Group, Cranforth, U.K.
69. Bawa, K. S., B. Schaal, O. T. Solbrig, S. Stearns, A. Templeton, and G. Vida. (authors in alphabetical order). 1991. Biodiversity from the gene to the species. In: *From Genes to Ecosystems: A Research Agenda for Biodiversity*, ed. O. Solbrig, 15-36. Report of a IUBS-SCOPE-UNESCO Workshop, Harvard Forest, Petersham, MA.
70. Bawa, K. S., and P. S. Ashton. 1991. Conservation of rare trees in tropical rain forests: a genetic perspective. In: *Biology of Rare Plants: Implications for Conservation and Management*, eds. D. Falk and K. Holsinger, 62-71. Oxford University Press.
71. Bawa, K. S. 1992. Mating systems, genetic differentiation and speciation in tropical rain forest plants. *Biotropica*. 24:250-255.
72. Bawa, K. S. 1992. Colonialism, rural poverty and the use of forest resources. (extended book review). *Conservation Biology* 6:477-481.
73. Bawa, K. S., and H. G. Wilkes. 1992. Who shall speak for biodiversity? *Conservation Biology* 6:473-474.
74. Bawa, K. S. 1992. The riches of tropical forests: non-timber products. *Trends in Ecology and Evolution* 7:361-363.

75. Kang, H., G. Jaschek, and K. S. Bawa. 1992. Variation in seed and seedling traits in *Pithecellobium pedicellare*, a tropical rain forest tree. *Oecologia* 91:239-244.
76. Bawa, K. S. 1993. Indian biology research at crossroads - another perspective. *Current Science* 64:205-207.
77. O'Donnell, M. E., and K. S. Bawa. 1993. Gamete selection and patterns of ovule and seed abortion. *Current Science* 65:214-219.
78. Godoy, R., and K. S. Bawa. 1993. The economic value and sustainable harvest of plants and animals from the tropical rain forest: assumptions, hypotheses, and methods. *Economic Botany* 47:215-219.
79. **Hall, P., and K. S. Bawa. 1993. Methods to assess the impact of extraction of non-timber tropical forest products on plant populations. *Economic Botany* 47:234-247.
80. Bawa, K. S., and R. Godoy. 1993. Introduction to case studies from South Asia. *Economic Botany* 47:248-250.
81. Bawa, K. S. 1993. Conservation of biodiversity in the Himalayas: concluding remarks and an agenda for action. In: *Himalayan Biodiversity: Conservation Strategies*, ed. U. Dhar, 529-538. G. B. Pant Institute of Himalayan Environment & Development, Almora, India.
82. Bawa, K. S. 1993. Plant reproductive biology and agroforestry. In: *Agroforestry in South Asia: Problems and Applied Research Perspectives*, eds. W. R. Bentley, P. K. Khosla and K. Seckler, 95-101. Winrock International, USA & Oxford & IBH Publishing Co. Pvt. Ltd, India.
83. Hall, P., M. R. Chase, and K. S. Bawa. 1994. Low genetic variation but high population differentiation in a common tropical forest trees species. *Conservation Biology* 8:471-482.
84. Murawski, D. A., B. Dayanandan, and K. S. Bawa. 1994. Outcrossing rates of two endemic *Shorea* sp. from Sri Lankan tropical rain forests. *Biotropica* 26:23-29.
85. Bawa, K. S. 1993. Effects of deforestation and forest fragmentation on genetic diversity in tropical tree populations. In: *Proceedings, International Symposium on Genetic Conservation and Production of Tropical Forest Seed*, eds. R.M. Drysdale, S.E.T. John and A.C. Yapa, 10-15. ASEAN-Canada Forest Tree Seed Centre, Chiang Mai, Thailand.
86. Murawski, D. A., and K. S. Bawa. 1994. Genetic structure and mating system of *Stemonoporus oblongifolius* (Dipterocarpaceae) in Sri Lanka. *American Journal of Botany* 81:155-160.

87. Bawa, K. S., and L. McDade. 1994. Introduction. In: *La Selva: Ecology and Natural History of a Neotropical Rain Forest*, eds. L. McDade, K. S. Bawa, H. Hespeneide and G. Hartshorn, 3-5 University of Chicago Press.
88. Bawa, K. S., and L. McDade. 1994. Plant community - commentary. In: *La Selva: Ecology and Natural History of a Neotropical Rain Forest*, eds. L. McDade, K. S. Bawa, H. Hespeneide and G. Hartshorn, 65-72. University of Chicago Press.
89. McDade, L., and K. S. Bawa. 1994. Patterns of research productivity. In: *La Selva: Ecology and Natural History of a Neotropical Rain Forest*, eds. L. McDade, K. S. Bawa, H. Hespeneide and G. Hartshorn, 341-344. University of Chicago Press.
90. Hall, P., L. C. Orrell, and K. S. Bawa. 1994. Genetic diversity and mating system in a tropical tree, *Carapa guianensis* (Meliaceae). *American Journal of Botany* 81:1104-1111.
91. Murawski, D. A., I. A. U. N. Gunatilleke, and K. S. Bawa. 1994. The effect of selective logging on mating patterns of *Shorea megistophylla* (Dipterocarpaceae) from Sri Lanka. *Conservation Biology* 8:997-1002.
92. Bawa, K. S. 1994. Pollinators of tropical dioecious angiosperms: a reassessment? No, not yet. *American Journal of Botany* 81:456-460.
93. Dulberger, R., M. B. Smith, and K. S. Bawa. 1994. The stigmatic orifice in *Cassia*, *Senna*, and *Chamaecrista* (Caesalpinaceae): Morphological variation, function during pollination, and possible adaptive significance. *American Journal of Botany* 81:1390-1396.
94. Chase, M. R., D. H. Boshier, K. S. Bawa. 1995. Population genetics of *Cordia alliodora* (Boraginaceae), a neotropical tree.1. Genetic variation in natural populations. *American Journal of Botany* 82:468-475.
95. Boshier, D. H., M. R. Chase, and K. S. Bawa. 1995. Population genetics of *Cordia alliodora* (Boraginaceae), a neotropical tree. 2. Mating system. *American Journal of Botany* 82:476-483.
96. Boshier, D. H., M. R. Chase, and K. S. Bawa. 1995. Population genetics of *Cordia alliodora* (Boraginaceae), a neotropical tree. 3. Gene flow, neighborhood, and population substructure. *American Journal of Botany* 82:484-490.
97. Bawa, K. S. 1995. Pollination, seed dispersal, and diversification of angiosperms. *Trends in Ecology and Evolution* 10:311-312.
98. Bawa, K. S., and A. Markham. 1995. Climate change and tropical forests. *Trends in Ecology and Evolution* 10:348-349.

99. Chase, M., R. Kesseli, and K. S Bawa. 1996. Microsatellite markers for population genetics and conservation genetics of tropical trees. *American Journal of Botany* 83:51-57.
100. **Chase, M. R., C. Moller, R. Kesseli, and K. S. Bawa. 1996. Distant gene flow in tropical trees. *Nature* 383:398-399.
101. Ganesh, T., R. Ganesan, P. Davidar, S. Devy, and K. S. Bawa. 1996. An assessment of plant biodiversity at a mid-elevation evergreen forest of Kalakad Mundanthurai Tiger Reserve, Western Ghats, India. *Current Science* 71:379-392.
102. **Hall, P., S. Walker, and K. S. Bawa. 1996. Effects of forest fragmentation on genetic diversity and mating systems in a tropical tree, *Pithecellobium elegans*. *Conservation Biology* 10:757-768.
103. Hegde, R., S. Suryaprakash, L. Achot, and K. S. Bawa. 1996. Extraction of non-timber forest products in the forests of Biligiri Rangan Hills, India. 1. Contribution to rural income. *Economic Botany* 50:243-250.
104. Murali, K. S., R. Uma Shaanker, K. N. Ganeshaiyah, and K. S. Bawa. 1996. Extraction of non-timber forest products in the forests of Biligiri Rangan Hills, India. 2. Impact of NTFP extraction on regeneration, population structure, and species composition. *Economic Botany* 50:251-269.
105. Shankar, U., K. S. Murali, R. Uma Shaanker, K. N. Ganeshaiyah, and K. S. Bawa. 1996. Extraction of non-timber forest products in the forests of Biligiri Rangan Hills, India. 3. Productivity, extraction and prospects of sustainable harvest of Amla, *Phyllanthus emblica* (Euphorbeaceae). *Economic Botany* 50:270-279.
106. Wendland, A., and K. S. Bawa. 1996. Tropical forestry: the Costa Rican experience in management of forest resources. *Journal of Sustainable Forestry* 3:91-156.
107. Bawa, K. S., and M. Gadgil. 1997. Ecosystem services in subsistence economies and conservation of biodiversity. In: *Nature's Services: Societal Dependence on Natural Ecosystems*, ed. G. Daily, 295-310. Island Press, Washington, D.C.
108. Bawa, K. S., S. Menon, and L. R. Gorman. 1997. Cloning and conservation of biological diversity: paradox, panacea, or pandora's box? *Conservation Biology* 11:829-830.
109. **Bawa, K. S., and S. Dayanandan. 1997. Socioeconomic factors and tropical deforestation. *Nature*, 386:562-563.
110. Bawa, K. S., and S. Menon. 1997. Biodiversity monitoring: the missing ingredients. *Trends in Ecology and Evolution* 12:42.

111. Bawa, K. S., and S. Dayanandan. 1997. Causes of tropical deforestation and institutional constraints to conservation. In: *Tropical Rain Forest: A Wider Perspective*, ed. B. Goldsmith, 175-198. Chapman and Hall, London.
112. Dayanandan, S., R. Kesseli, and K. S. Bawa. 1997. Conservation of microsatellites among tropical trees (Leguminosae). *American Journal of Botany*, 84:1658-1663.
113. Ganeshiah, K. N., R. Uma Shaanker, and K. S. Bawa. 1997. Diversity of species assemblages of islands: Predictions and their test using tree species composition of shola fragments. *Current Science* 73:188-194.
114. Khan, M. L., S. Menon, and K. S. Bawa. 1997. Effectiveness of the protected area network in biodiversity conservation: A case study of Meghalaya state. *Biodiversity and Conservation* 6:853-868.
115. Lele, S., K. S. Murali, and K. S. Bawa. 1997. Biodiversity conservation through community enterprise: an experiment in the BRT Sanctuary of Karnataka, India. In: *Proceedings of the UNESCO Regional Workshop on Community -Based Conservation: Policy and Practice*, 449-466. IIPA, New Delhi, February 1997.
116. Menon, S., and K. S. Bawa. 1997. Applications of geographic information systems (GIS), remote-sensing, and a landscape ecology approach to biodiversity conservation in the Western Ghats. *Current Science* 73:134-145.
117. Ramesh, B. R., S. Menon, and K. S. Bawa. 1997. A vegetation based approach to biodiversity gap analysis in the Agastyamalai region, Western Ghats, India. *AMBIO* 26:529-536.
118. Bawa, K. S. 1998. Conservation of genetic resources in the Dipterocarpaceae. In: *A Review of Dipterocarps: Taxonomy, ecology, and silviculture*, eds. S. Appanah and J. M. Turnbull, 45-55. Center for International Forestry Research, Bogor, Indonesia.
119. Bawa, K. S., and S. Dayanandan. 1998. Climate change and tropical forest genetic resources. *Climate Change* 23:449-466.
120. Bawa, K. S., and R. Seidler. 1998. Natural forest management and conservation of biodiversity in tropical forests. *Conservation Biology* 12:46-55.
121. Dayanandan, S., O. P., Rajora, and K. S. Bawa. 1998. Isolation and characterization of microsatellites in trembling aspen (*Populus tremuloides*). *Theoretical and Applied Genetics* 96:950-956.
122. Menon, S., and K. S. Bawa. 1998. Deforestation in the tropics: reconciling disparities in estimates for India. *AMBIO* 27:576-577.

123. Ramesh, B. R., S. Menon, and K. S. Bawa. 1998. Explanatory booklet to accompany the vegetation map of the Biligiri Rangaswamy temple wild life Sanctuary, Karnataka, India. (Institut Francais De Pondicherry & ATREE, Bangalore).
124. Sanchez-Azofeifa, G. A., P. Gonzales-Quesada, S. Dayanandan, and K. S. Bawa. 1998. Are protected areas conserving biodiversity in the tropics? *Conservation Biology* 13:407-411.
125. Uma Shankar, K., D. Lama, and K. S. Bawa. 1998. Ecosystem reconstruction through taungya plantations following commercial logging in dry mixed deciduous forest in Darjeeling Himalaya. *Forest Ecology and Management* 102:131-142.
126. Uma Shankar, K., S. Murali, R. Uma Shaanker, K. N. Ganeshiah, and K. S. Bawa. 1998. Extraction of non-timber forest products in the forests of Biligiri Rangan Hills, India. 4. Impact on floristic diversity and population structure in a thorn scrub forest. *Economic Botany* 52:302-315.
127. Ganeshiah, K. N., R. Uma Shaanker, K. S. Murali, Uma Shankar, and K. S. Bawa. 1998. Extraction of non-timber forest products in the forests of Biligiri Rangan Hills, India. 5. Influence of dispersal mode on species response to NTFP extraction. *Economic Botany* 52:316-319.
128. Uma Shankar, R. Hegde, and K. S. Bawa. 1998. Extraction of non-timber forest products in the forests of Biligiri Rangan Hills, India. 6. Fuel wood pressure and management options. *Economic Botany* 52:320-336.
129. Bawa, K. S., and S. Menon. 1999. Data requirements for assessing patterns and causes of biodiversity loss. *LUCC Data Requirements Workshop: Survey of needs, gaps and priorities on data for land-use/land-cover change research*. LUCC Report Series No. 3: 58-66, LUCC International Project Office, Institut Carthografic De Catalunya, Barcelona, Catalonia, Spain.
130. Bawa, K. S., S. Lele, K. S. Murali, and B. Ganesan. 1999. Extraction of Non-timber Forest Products in Biligiri Rangan Hills, India: Monitoring a Community-based Project. In: *Measuring Conservation Impact: an Interdisciplinary Approach to Project Monitoring and Evaluation*, eds. K. Saterson, R. Margolius and N. Salafsky, 89-102. Biodiversity Support Program, World Wildlife Fund, Inc. Washington D. C.
131. Bawa, K. S. 1999. Prescriptions for Conservation. Biodiversity Conservation Network, Final Stories from the Field. Biodiversity Support Program, Washington D.C. 48-55.
132. Sanchez-Azofeifa, G. A., C. Quesada-Mateo, P. Gonzalez-Quesada, S. Dayanandan, and K. S. Bawa. 1999. Protected Areas and Conservation of Biodiversity in the Tropics. *Conservation Biology* 13:407-411.

133. Menon, S., R. G. Pontius, J. Rose, M. L. Khan, and K. S. Bawa. 2000. Identifying conservation priority areas in the tropics: A land-use change modeling approach *Conservation Biology* 15:501-512
134. Seidler, R., and K. S. Bawa. 2000. Logged Forests. In: *Encyclopedia of Biodiversity*, ed. S. Levin, 747-760 Academic Press, New York.
135. Jha, C. S., S. Dutt, and K. S. Bawa. 2000. Deforestation in Western Ghats, India. *Current Science* 79:231-238
136. Dayanandan, S., J. Dole, K. S. Bawa, and R. V. Kesseli. 1999. Population structure delineated with microsatellite markers in fragmented populations of a tropical tree, *Carapa guianensis* (Meliaceae). *Molecular Ecology* 8:1585-1592.
137. Franceschinelli, E.V., and K. S. Bawa. 2000. The effect of ecological factors on the mating system of a South American shrub species (*Helicteres brevispira*), *Heredity* 84:116-223
138. Shankar, Uma, S. D. Lama, and K. S. Bawa. 2001. Ecology and Economics of Domestication of Non-Timber Forest Products: An Illustration of Broomgrass in Darjeeling Himalaya. *Journal of Tropical Forest Science* 13:171-191
139. Bawa, K. S., R. U. Shaanker, and K. N. Ganeshaiah. 2001. Conserving tropical forest genetic resources: Threats and mitigation strategies. In: *Forest Genetic Resources: Status, Threats, and Conservation Strategies*, eds. K. N. Ganeshaiah, R. U. Shaanker and K. S. Bawa, 303-307. New Delhi: Oxford & IBH Publishing Co. Pvt. Ltd.
140. Ganeshaiah, K. N., R. U. Shaanker, and K. S. Bawa. 2001. Conservation of forest genetic resources of a region: Combining species-centered and ecosystem-based approaches. In: *Forest Genetic Resources: Status, Threats, and Conservation Strategies*, eds. K. N. Ganeshaiah, R. U. Shaanker and K. S. Bawa, 273-281. New Delhi: Oxford & IBH Publishing Co. Pvt. Ltd.
141. Shankar, U., S. D. Lama, and K. S. Bawa. 2001. Ecology and economics of domestication of non-timber forest products: An illustration of broomgrass in Darjeeling Himalaya. *Journal of Tropical Forest Science* 13:171-191.
142. Bawa, K. S., J. Rose, K. N. Ganeshaiah, M. C. Kiran, B. Narayani, and R. U. Shaanker. 2001. Mapping biodiversity from the sky. In: *Tropical Ecosystems: Structure, Diversity and Human Welfare*, eds. K. N. Ganeshaiah, R. U. Shaanker and K. S. Bawa, 523-525. New Delhi: Oxford & IBH Publishing Co. Pvt. Ltd.
143. Ganeshaiah, K. N., R. U. Shaanker, N. Barve, M. C. Kiran, and K. S. Bawa. 2001. A regional approach for the conservation of the biological diversity of the Western Ghats. In: *Tropical Ecosystems: Structure, Diversity and Human Welfare*, eds. K. N. Ganeshaiah, R. U. Shaanker and K. S. Bawa, 552-556. New Delhi: Oxford & IBH Publishing Co. Pvt. Ltd.

144. Lele, S., V. Srinivasan, and K. S. Bawa. 2001. Returns to investment in conservation: Disaggregated benefit-cost analysis of the creation of a wildlife sanctuary. In: *Tropical Ecosystems: Structure, Diversity and Human Welfare*, eds. K. N. Ganeshaiyah, R. U. Shaanker and K. S. Bawa, 31-33. New Delhi: Oxford & IBH Publishing Co. Pvt. Ltd.
145. Menon, S., K. S. Bawa, K. N. Ganeshaiyah, and R. U. Shaanker. 2001. Land-use change and conservation priorities in the Western Ghats. In: *Tropical Ecosystems: Structure, Diversity and Human Welfare*, eds. K. N. Ganeshaiyah, R. U. Shaanker and K. S. Bawa, 549-551. New Delhi: Oxford & IBH Publishing Co. Pvt. Ltd.
146. Setty, R. S., K. S. Bawa, and J. Bommaiah. 2001. Participatory research monitoring for non-timber forest products in Biligiri Rangaswamy Temple wildlife sanctuary, Karnataka, India. In: *Tropical Ecosystems: Structure, Diversity and Human Welfare*, eds. K. N. Ganeshaiyah, R. U. Shaanker and K. S. Bawa, 85-88. New Delhi: Oxford & IBH Publishing Co. Pvt. Ltd.
147. Sinha, A., and K. S. Bawa. 2001. Impacts of anthropogenic pressures on population dynamics, demography, and sustainable use of forest species in the Western Ghats, India. In: *Tropical Ecosystems: Structure, Diversity and Human Welfare*, eds. K. N. Ganeshaiyah, R. U. Shaanker and K. S. Bawa, 101-103. New Delhi: Oxford & IBH Publishing Co. Pvt. Ltd.
148. Sinha, A., and K. S. Bawa. 2002. Harvesting techniques, hemiparasites and fruit production in two non-timber forest tree species in South India. *Forest Ecology and Management* 168:289-300.
149. Seidler, R. and K. S. Bawa. 2002. Uncertainty and biodiversity conservation. In: *Precaution, Environmental Science, and Preventive Public Policy*, ed. J. Tickner, 175-192. Island Press
150. Bawa, K. S., J. Rose, K. N. Ganeshaiyah, N. Barve, M. C. Kiran, and R. Umashaanker. 2002. Assessing biodiversity from space: an example from the Western Ghats, India. *Conservation Ecology* 6:7. [online] URL: <http://www.consecol.org/vol6/iss2/art7>
151. Ganeshaiyah, K. N., R. Uma Shaanker, N. Barve, M. C. Kiran, K. S. Bawa, and V. Ramanatha Rao. 2002. *In Situ* conservation of forest genetic resources at regional level: Two complementary programs using GIS approach. In: *Managing Plant Genetic Diversity*, eds. J. M. M. Engels, V. Ramanatha Rao, A. H. D. Brown and M. T. Jackson, 413-423. CABI Pub. Wallingford, Oxon, UK.
152. Bawa, K. S., H. Kang, and H. M. Grayum. 2003. Relationships among Time, Frequency, and Duration of Flowering in Tropical Rain Forest Trees. *American Journal of Botany* 90:877-887

153. Kang, S. H., and K. S. Bawa. 2003. Effects of Successional Status, Habit, Sexual Systems, and Pollinators on Flowering Patterns in Tropical Rain Forest Trees. *American Journal of Botany* 90:865-876
154. Shanker, Uma, S. Lama, and K. S. Bawa. 2003. Temporal patterns of commercial collection of non-timber forest products in Chel range of Darjeeling Himalaya. *Forest, Trees and Livelihoods* 13:115-135.
155. Bawa, K. S. 2004. Impact of Global Changes on the Reproductive Biology of Trees in Tropical Dry Forests. In: *Biodiversity Conservation in Costa Rica: Learning the Lessons in a Seasonal Dry Forest*, eds. G. W. Frankie, A. Mata and S. B. Vinson, 38-47. University of California, Berkeley.
156. Frankie, G. W., W. A. Haber, S. B. Vinson, K. S. Bawa, P. S. Ronchi, and N. Zamora. 2004. Flowering Phenology and Pollination Systems Diversity in the Seasonal Dry Forest. In: *Biodiversity Conservation in Costa Rica: Learning the Lessons in a Seasonal Dry Forest*, eds. G. W. Frankie, A. Mata and S. B. Vinson, 17-29. University of California, Berkeley.
157. **Bawa, K. S., P. H. Raven, and R. Seidler. 2004. Reconciling conservation paradigms. *Conservation Biology* 18:859-860.
158. Bawa, K. S., W. J. Kress, N. Nadkarni, and S. Lele. 2004. Beyond Paradise-Meeting the Challenges in Tropical Biology in the 21st Century. *Biotropica* 36:437-446.
159. **Bawa, K. S., W. J. Kress, N. M. Nadkarni, S. Lele, P. H. Raven, D. H. Janzen, A. E. Lugo, P. S. Ashton, and T. E. Lovejoy. 2004. Tropical Ecosystems into the 21st Century. *Science* 306:227-230.
160. Franceschinelli, E. V., K.S. Bawa, 2005. The post-fire effect on the outcrossing rate of *Helicteres sacarolha* St.H. (Sterculiaceae). *Revista Brasileira de Botânica*. 28: 163 - 170
161. Jackson, L., K. S. Bawa, U. Pascual, and C. Perrings. 2005. agroBIODIVERSITY: A new science agenda for biodiversity in support of sustainable agroecosystems. DIVERSITAS report No. 4. 40pp.
162. Shanker, K., Hiremath A., and K. Bawa. 2005. Linking biodiversity conservation and livelihoods in India. *PLOS*. 3:1878-1880.
163. Seoane, C. E. S., P. Y. Kageyama, A. Ribeiro, R. Matias, M. S. D. Reis, K. S. Bawa, and A. M. Sebbenn. 2005. Efeitos da fragmentacao florestal sobre a imigracao de sementes e a estrutura genetica temporal de populacoes de *Euterpe edulis* Mart. *Rev. Inst. Flor.*, Sao Paulo. 17:25-43.
164. Bawa, K. S. 2006. Globally dispersed local challenges in conservation biology. *Conservation Biology*. 20:696-699.

165. Jha, S., and K. S. Bawa. 2006. Population, human development and deforestation in tropical biodiversity hotspots. *Conservation Biology* 20:906-912.
166. Perrings, C., L. Jackson, K. S. Bawa et al. (editorial). 2006. Biodiversity in agricultural landscapes: saving natural capital without losing interest. *Conservation Biology* 20:263-264.
167. Das, A., J. Krishnaswamy, K. S. Bawa, M.C. Kiran, V. Srinivas, N. Samba Kumar, and K. Ullas Karanth. 2006. Prioritization of conservation areas in the Western Ghats, India. *Biological Conservation*. 133:16-31.
168. Bawa, K. S. 2006. Hurdles for conservation science in India. *Current Science*. 91:8.
169. Bawa, K. S. 2006. Conservation requires multiple approaches. *Nature*. 442:744 (Correspondence)
170. Jackson, L. E. U. Pascual, L. Brussaard, P. de Ruiter, and K. S. Bawa. 2007. Biodiversity in agricultural landscapes: investing without losing interest. *Agriculture, Ecosystems, and Environment* 121:193-195.
171. **Bawa, K. S., S. Setty and G. Joseph 2007. Poverty, biodiversity and institutions in forest-agriculture ecotones of the Western Ghats and Eastern Himalaya Ranges of India. *Agriculture, Ecosystems, and Environment* 121: 287-295.
172. Jha, S, and K. S. Bawa 2007. The economic and environmental outcomes of microfinance projects: an Indian case study. *Environment, Development and Sustainability* 9:229-239
173. **Bawa, K. S., G. Balachander, and P. Raven. 2008. A case for new institutions. *Science* (editorial). 319: 136.
174. Setty, R. S., K. Bawa, T. Ticktin, and C. M. Gowda. 2008. Evaluation of a participatory resource monitoring system for nontimber forest products: the case of amla (*Phyllanthus* spp.) fruit harvest by Soligas in South India. *Ecology and Society* 13. [online] URL: <http://www.ecologyandsociety.org/volXX/issYY/artZZ/>
175. **Krishnaswamy, J., K. S. Bawa, K. N. Ganeshiah, and M. C. Kiran. 2009. Quantifying and mapping biodiversity and ecosystem services: Utility of a multi-season NDVI based Mahalanobis distance surrogate. *Remote Sensing of Environment* 113: 857-867.
176. **Bawa, K. S., L. P. Koh, T. M. Lee, J. Liu, P. S. Ramakrishnan, D. W. Yu, Y.-P. Zhang and P. H. Raven. 2010. China, India and the environment. *Science* 327:1457-1459.

177. Lele, S., P. Wilshusen, D. Brockington, R. Seidler, and K.S. Bawa. 2010. Beyond exclusion: alternative approaches to biodiversity conservation in the developing tropics. *Current Opinion in Environmental Sustainability* 2:1-7
178. Bawa, K. S. 2010. Cataloguing life in India: the taxonomic imperative. *Current Science*. 98:151-153.
179. Bawa, K. S. 2010. Our biodiversity, our life, our future. *The Hindu, Energy and the Environment*, August 2, 2010.
180. Bawa, K. S. 2010. Monitoring systems outdated and protectionist. *Nature*, 466: 920 (Correspondence).
181. Bawa, K. S., N. Rai, and N. Sodhi. 2011. Rights, governance and conservation of biological diversity. *Conservation Biology*, 25: 639-641.
182. Chaudhary, P. and K.S. Bawa. 2011. Local perceptions of climate change validated by scientific evidence in the Himalayas. *Biology Letters*, published online, 27 April 2011, doi: 10.1098/rsbl.2011.0269.
183. Chaudhary, P., S. Rai, A. Mao, N. Rehman, S. Chettri, S. Wangdi, and K. S. Bawa. 2011. Consistency of local perceptions of climate change in the Kanchenjunga Himalaya landscape. *Current Science*, 101: 504-113
184. Fischer, J. P. Batary, K.S. Bawa et al., 2011. Conservation: limits of land sparing. *Science*, 334: 593
185. Kamal, S., S. Rai. and K. S. Bawa. 2012. Enhancing conservation and livelihood security in biodiversity hotspots – A case study. Pages 18-20 in: *Mountain Biodiversity : Conservation and Management*. ICIMOD , Kathmandu, Nepal
186. Shrestha, U. S. Gautam and K.S. Bawa 2012. Widespread climate change in the Himalayas and associated changes in local ecosystems. *PloS one*. 7 (5): e36741.
187. Bawa, K.S. 2012. India's path to knowledge. *Science*, 335: 1573
188. Bawa K.S., Rai, S, Kamal S, Chaudhary P. 2012. Land use intensification, small landholders, and biodiversity conservation: perspectives from the Eastern Himalayas. Pages 65-72 in Lindenmayer D.B., Cunningham S.A., Young A.G., Eds. *Land use Intensification: Effects on Agriculture, Biodiversity and Ecological Processes*. CSIRO Publishing, Canberra , Australia
189. L.E. Jackson *, M.M. Pulleman , L. Brussaard , K.S. Bawa, G.G. Brown, I.M. Cardoso, P. de Ruyter, L. Garcí'a-Barrios, A.D. Hollander, P. Lavelle , E. Oue'draogo ,U. Pascual , S. Setty , S.M. Smukler , T. Tschamtker , M. Van Noordwijk. 2012. Social-ecological and regional adaptation of agrobiodiversity

- management across a global set of research regions. *Global Environmental Change*, 22: 623-639
190. Ingty, T. and K.S.Bawa. 2012. Climate change and indigenous people. In M. L. Arrawatia, and Sandeep Tambe (eds.) *Climate Change in Sikkim: Patterns, Impacts, and Initiatives*. pp. 275 -290. Government of Sikkim, Gangtok.
 191. Bawa, K.S., and T. Ingty. 2012. Climate change in Sikkim: A synthesis. In M. L. Arrawatia, and Sandeep Tambe (eds.) *Climate Change in Sikkim: Patterns, Impacts, and Initiatives*. pp. 413 -424. Government of Sikkim, Gangtok.
 192. Bawa, K.S. 2013. A wish list for public giving, *The Hindu*, January 5, 2013 (OpEd page article)
 193. Bawa, K. S. 2013. Knowledge, Institutions and Human Resources for Conservation of Biodiversity. In P. H. Raven, N. S. Sodhi and L. Gibson (eds.) *Conservation Biology: Voices From the Tropics*. pp 226-231. John Wiley & Sons, Ltd, Oxford, UK.
 194. Shrestha, U. B., and K.S. Bawa. 2013. Trade, harvest, and conservation of caterpillar fungus (*Ophiocordyceps sinensis*) in the Himalayas. *Biological Conservation*.159:514-520.
 195. Seidler, R., K.S. Bawa, M. Lowman, M., and N.M. Nadkarni. 2013. Forest Canopies as Earth's Support Systems: Priorities for Research and Conservation. In M. Lowman, S. Devy, and T. Ganesh (eds.) *Treetops at Risk: Challenges of Global Canopy Ecology and Conservation*. pp 55-70. Springer Science+Business Media New York.
 196. Rai, N. D., and K. S. Bawa 2013. Inserting Politics and History in Conservation. *Conservation Biology*. 27(2): 425-428.
 197. Cunningham, S. A., S. J. Attwood, K.S. Bawa, et al. 2013. To close the yield-gap while saving biodiversity will require multiple locally relevant strategies. *Agriculture, Ecosystems and Environment* 173: 20– 27
 198. Bawa, K.S. 2013. Paradise in peril. *Global: the international briefing*. 2013, Third Quarter. 48-52
 199. Shrestha UB and Bawa KS 2013. Dimensions of caterpillar fungus (*Ophiocordyceps sinensis*) decline—A response to Stewart et al. *Biological Conservation* 167: 448-449

