

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-present 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

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

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-

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-

Board Memberships

- Member, Advisory Council, Foundation for Rehabilitation of Local Health Traditions, Bangalore, India, 1998-
- Trustee, Foundation for Rehabilitation of Local Health Traditions, Bangalore, India, 1998-
- Founder and Trustee, Ashoka Trust for Research in Ecology and Environment, Bangalore, India, 1996-
- Founder and Trustee, 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 –
- 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, Malaysia, 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 FROM INTERREGIONAL COMPARATIVE STUDIES. ESA/SCB Meetings. Providence, RI. August 1996.

Invited Speaker, Symposium: MEASURING CONSERVATION IMPACT: AN INTERDISCIPLINARY 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: Univeristy of Minas gerais, minas gerias, 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 2009

Invited Speaker, GLOBAL TAXONOMY PARTNERSHIP FUND, Museum of Natural History, Paris, June 17- 18, 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 WOKSHOP ON TRADIONAL KNOWLEDGE AND ENVIRONMENTAL CHANGE, SPONSORED BY INTERNATIONAL UNION OF BIOLOGIOCAL SCIENCES , Cape Town 9 , October 8, 2010.

Organiser, WORKSHOP ON HUMAN DIMENSIONS OF BIODIVERSITY CHANGE, SPONSORED BY INTERNATIONAL UNION OF BIOLOGIOCAL 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.

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

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

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 Forests. \$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

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. Ganeshaiyah, 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. Ganeshaiyah, 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.

Papers in Journals and Book Chapters:

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