



Gladwin Joseph, PhD

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Gladwin has 15 years of leadership experience, including 9 years in higher education. He served as the director of a research think tank and academic organization in the environment-development sector for 10 years and recently served as the founding director of the School of Development at a private non-profit university. Areas of experience and expertise include strategic planning and development; developing structures and systems for effective organizational communication and coordination; collaboratively developing and implementing programs and initiatives; managing public relations, raising funds, coordinating and writing grants and reports; overseeing critical administrative, financial and human resource functions; organizing conferences and workshops; developing and implementing diversity measures in recruiting students; recruiting and reviewing academic and support staff; building consensus to move projects forward, and designing and implementing large action-research projects.

EDUCATION

PhD, Forest Science, 1997

Oregon State University, Corvallis, Oregon, USA

Thesis title: Water relations, gas exchange, and growth responses of 2-year-old Douglas-fir seedlings to stresses associated with transplanting.

Minor: Botany and Soil science

MS, Entomology, 1989

Oregon State University, Corvallis, Oregon, USA

Thesis title: Host Suitability Studies of White Alder and Douglas-fir to the Gypsy moth.

Minor: Forestry and Statistics

BSc, Agriculture, 1986

University of Agriculture Sciences, Bangalore, Karnataka, India.

Major: Entomology

EMPLOYMENT HISTORY

Feb 1, 2016 – present. Chief Project Officer at the Conservation Biology Institute (CBI). Visiting Faculty at Azim Premji University (APU), India; Adjunct Senior Fellow, Ashoka Trust for Research in Ecology and the Environment (ATREE), India

July 31 2015 – Jan 31, 2016. Visiting Faculty at Azim Premji University (APU), India; Adjunct Senior Fellow, Ashoka Trust for Research in Ecology and the Environment (ATREE), India.

January 2014 – July 31, 2015. Professor and Director of School of Development, Azim Premji University, Bangalore, India

March – December 2013. Professor and Co-lead of the Research Center, Azim Premji University, Bangalore, India.

Aug 2012 – March 2013. Senior Fellow and Convener (Academy for Conservation Science and Sustainability Studies), ATREE.

Oct 2008 – Aug 2012; May 2000 – Nov 2006. Director and Senior Fellow, ATREE.

Feb 2008 – Sep 2008. Director (Programs and Administration), ATREE.

Dec 2006 – Feb 2008. Senior Fellow, ATREE.

Sept 1999 – April 2000. Senior Research Associate (CSIR) and Post-graduate Instructor, Department of Crop Physiology, University of Agricultural Sciences, Bangalore, India.

July 1997 – July 1999. Faculty Research Associate - Post doctoral, Department of Forest Science, OSU.

April 1994 – June 1997. Faculty Research Assistant, Department of Forest Science, OSU Pacific Northwest Research Station, United States Forest Service.

SELECT PROJECT EXPERIENCE

2014: Designed an online course on sustainability for the India context – led a team at Azim Premji University to conceptualize and design the curriculum for an online course on sustainability in the Indian context in a MOOC format. Led the team until the framework for the course was

conceptualized, the faculty team was in place, the broad curricular structure was finalized, and weekly modules developed with faculty assigned for each module, and the production process and schedules outlined. I continue to serve as an advisor and provide inputs to the course curriculum. The course will be launched in mid 2016.

- 2013: Designed an interdisciplinary PhD program in Education and Development for Azim Premji University. Led a team of 11 faculty from across various disciplines and designed the entire PhD program for the university. The 'blue print' included the programmatic and operational components, which included the following sections; educational philosophy for the program, the scope, the curriculum, course design, degree requirements, recruitment processes including affirmative action procedures, fee structure, etc. The cost of the program was yet to be finalized.
- 2012: Headed the team at ATREE that organized the 2nd Asia Regional Conference of the Society for Conservation Biology at Bangalore. We had 400 participants from 23 countries make presentations at the conference. We raised \$75,000 from numerous sources world- wide.
- 2012: I headed a team that designed and successfully got an institutional grant for ATREE. The goal of the grant was to build Interdisciplinary capacities of the next generation of leaders in sustainability and conservation through a process of rigorous, relevant and integrated environmental research that actively engages with key stakeholders at the national and local scale. The grant was worth \$2.25 million over 5 years from Sir Dorabiji Tata Trust and started the year I stepped down and handed the institution over to the new director.
- 2012: Strengthening Sustainability Education for High Schools. Institutional grant to ATREE; \$75,000 over three years. WIPRO. I led a team that designed a modular place-based workbook on sustainability education. The team also designed and delivered educational programming for WIPRO employees that used the landscaped butterfly garden on campus as a learning resource.
- 2011: Promoting the Use of Invasive Plant Species in Sikkim for Dye Making: A Strategy for Enhancing the Livelihoods of the Rural Communities. \$75,000, Kannan, R., Shaanker, R. U., & Joseph, G., Department of Biotechnology, Government of India (GOI). The technology to make dye was appropriately

transferred from an NGO in Uttarakhand to Sikkim. Local people were trained in dye making and local market networks for the dye were explored. The relevant business model for this process was researched for future implementation.

- 2011: Establishment of the nature observation platform on the web-based open source India Biodiversity Portal. Joseph, G., Prabhakar, K. \$50,000, Department of Biotechnology, GOI. We established a very active user-driven observation platform for biodiversity in India. We added more than 5000 users and close to 50,000 unique observations were added to the portal.
- 2008: The Academy for Conservation and Sustainability Studies. \$906,000. Joseph, G., Chellam, R., Bawa, K., Mundoli, S., Kakati, N., Rai, N., Chandran, R., Jagdish, K., Seema P., & Devy, S. The Jamshetji Tata Trust. We established ATREE's flagship interdisciplinary PhD program in Conservation Science and Sustainability Studies. We recruited two batches of PhD students and had 30 students in the program. We designed the course work that included, core and elective courses. The core courses provided students an exposure to the fundamentals in social and natural sciences, basic skills in quantitative and qualitative methods, and interdisciplinary perspective and methodology. As part of the grant we also designed and established a network of five field centers of the Academy to foster transdisciplinary learning.
- 2007: Building Good Environmental Governance in the Eastern Himalayas and Western Ghats. \$550,000. Chellam, R., Bawa, K., & Joseph, G. The Ford Foundation. We initiated various projects that enhanced community stake in local natural resource management. We also initiated various programs to strengthen community-led organizations and their capacities to negotiate with the Government and Market-based institutions.
- 2006: Conservation of Biodiversity and Sustainable Use of Natural Resources: Capacity Building for Interdisciplinary Research and Applications. \$250,000. Bawa, K., & Joseph, G. Funded by the the Norwegian Embassy, India. We successfully implemented a faculty exchange program between Norway and ATREE to build capacities in interdisciplinary research in Sustainability studies.

- 2005: Community-Centered Integrated Biodiversity Management of Forested-Landscapes in the Western Ghats. \$1.11 million. Joseph, G., Bawa, K., & Hiremath, A. Sir Dorabiji Tata Trust. Designed and implemented various projects through ATREE's field centers in collaboration with local communities to enhance conservation outcomes while strengthening livelihoods.
- 2005: Engaging Markets to Sustain Livelihoods and Advance Conservation. \$119,000. Bawa, K., & Joseph, G. The Blue Moon Fund. We set up a successful community-led business enterprise that designed, built and marketed furniture made from the invasive weed - Lantana.
- 2004: To Support and Strengthen Institutional and Programmatic Needs and Enhance the Outreach Activities in Biodiversity Conservation. \$550,000. Bawa, K., Joseph, G., & Hiremath, A. The Ford Foundation. We established an endowment fund to attract and retain core staff at ATREE. The funds were also used to strengthen ATREE's governance and put in place professional structures for management and accountability.
- 2004: Enhancing Livelihoods of Marginal Forest Communities in Karnataka and Tamil Nadu by Promoting the Utilization of Lantana as a Substitute for Bamboo. \$20,000. Shaanker, R. U., & Joseph, G. Department of Biotechnology, GOI.
- 2004: Restoring Forest-fringe Areas along the Western Ghats Using Appropriate Models of Diversity-rich Agroforestry. \$36,000. Joseph, G., Ramamani, Hiremath, A., & Ganesan, R. Department of Biotechnology, Government of India.

PUBLICATIONS

- Rick G. Kelsey, **Gladwin Joseph**, Doug Westlind, and Walter G. Thies. 2016. *Ethanol and acetone from Douglas-fir roots stressed by Phellinus sulphurascens infection: Implications for detecting diseased trees and for beetle host selection*. *Forest Ecology and Management* 360: 261-272.
- Seema Mundoli, **Gladwin Joseph** and Siddappa Setty. 'Shifting agriculture': *The changing dynamics of adivasi farming in the forest-fringes of a tiger reserve in South India*. *The Journal of Sustainable Agriculture*. (Submitted).

- Kavitha, A., **Joseph, S. C. G.**, Rai, N. D., & Abraham, R. (2013). *Distinct livelihood patterns among communities: The case of Kanakapura, Karnataka*. In Purushothaman, S., & Abraham, R. (Eds.), *Livelihood Strategies in Southern India: Conservation and Poverty Reduction in Forest Fringes*. (33-48). Bangalore: Springer India. DOI 10.1007/978-81-322-1626-1_3.
- Venkateswaran, K., Krishnan, S., Saravanan, P., Kiran, M. C., & **Joseph, S. C. G.** (2013). *Changing livelihood strategies: The experience of the Valaiyars of Karandhai Malai, Tamil Nadu*. In S. Purushothaman and R. Abraham (eds.). *Livelihood Strategies in Southern India: Conservation and Poverty Reduction in Forest Fringes*. (19-31). Bangalore: Springer India. DOI 10.1007/978-81-322-1626-1_3
- Sundaram, B., Krishnan, S., Hiremath, A. J., & **Joseph, G.** (2012). *Ecology and impacts of the invasive species, Lantana camara, in a social-ecological system in South India: Perspectives from local knowledge*. *Human Ecology*, 40, 931-942. DOI 10.1007/s10745-012-9532-1g.
- Kavitha, A., Deepti, Ganesan, R., & **Joseph, G.** (2012). *Common Dryland Trees for Ecological Farming in Karnataka: A Bilingual Field Guide (English and Kannada)*. Bangalore: ATREE. 200 pages.
- Kelsey, R. G., **Joseph, G.**, & McWilliams, M. G. *Ethanol synthesis by anoxic root segments from five cedar species relates to habitat attributes but not their vulnerability to Phytophthora lateralis root disease*. (2011). *Canadian Journal of Forest Research - Revue Canadienne de Recherche Forestière*, 41, 1202-1211.
- Kannan, R., Shaanker, R. U., & **Joseph, G.** (2009). *Putting an invasive alien species to good use*. *Business.2010, Business & Biodiversity*. 4(1), 18-19 Convention on Biological Diversity.
- Shaanker, R. U., Hiremath, A., **Joseph, G. C.**, & Rai, N. D. (eds.). *Non-timber Forest Products: Conservation, Management and Policy in the Tropics*. (2009). Bangalore: ATREE.
- Shaanker, U. R., **Joseph, G. C.**, Aravind N. A., Kannan, R. and Ganeshiah, K. N. (2009). *Invasive plants in tropical human-dominated landscapes: Need for an inclusive management strategy*. (2009). In Perrings, C., Mooney, H., & Williamson, M. (eds).
- Kannan, R., **Joseph, G.**, & Shaanker, R. U. (2008) *Lantana Furniture: Value added Lantana products to conserve Bamboo and Rattan*. In Arunachalam, A., & Arunachalam, K. (eds.). *Biodiversity Utilization and Conservation*. (60-64). Jaipur: Aavishkar Publishers, Distributors.

- Bawa, K., **Joseph, G.**, & Siddappa Setty. (2007). *Poverty, Biodiversity and Institutions in Forest-Agriculture Ecotones in the Western Ghats and Eastern Himalaya Ranges of India*. *Agriculture, Ecosystems and Environment*, 121,287-295.
- Saha, S., BassiriRad, H., & **Joseph, G.** (2005). *Phenology and water relations of tree sprouts and seedlings in a tropical deciduous forest of South India*. *Trees*, 19,322-325.
- Joseph, G.**, & Mansourian, S. (2005). *Restoring landscapes for traditional cultural values*. In Mansourian, S., Vallauri, D. & Dudley, N. (eds.). *Forest Restoration in Landscapes: Beyond Planting Trees*. (233-240). New York, NY: Springer.

SELECT PRESENTATIONS

- Ramya Ravi, R. Ganesan, P.S. Narayan, Michael Little, and **Gladwin Joseph**. Eco-scaping for biodiversity: Transforming a corporate campus in Bangalore, India. The India-US Workshop on Best practices and Eco restoration Technologies for enhancing functional quality of urban landscapes, Nov 305, 2014. Bangalore, India.
- Setty, S., & **Joseph, G.** Enhancing diversity of trees on farms proximal to a wildlife sanctuary: Lessons from working with small farmers. Abstract published at 2nd World Congress of Agroforestry. Nairobi, Kenya. 2009
- Setty, S. & **Joseph, G.** Soliga agriculture and its relationship with conservation of wildlife in BRT wildlife sanctuary, Abstract published at Conservation in a Globalising India, BNHS 125th Anniversary Conference, Bangalore. 2009
- Kavitha A, & **Joseph, G.** Distribution of trees and the socio-economic status of farmers growing them in a rain-fed agro-ecosystem of South India. Abstract for oral presentation at the 2ND World Congress on Agroforestry. Nairobi, Kenya. 2009
- Kavitha A, & **Joseph, G.** Distribution of trees and carbon sequestration in a rain-fed agro biodiversity. A case study from Karnataka, South India. Abstract for poster presentation at the Second DIVERSITAS Open Science Conference. Cape Town, South Africa. 2009
- Kannan, R., Aravind, N.A., **Joseph, G.**, Ganeshiah, K.N. & Shaanker, R.U. Promoting the utilization of *Lantana camara* to enhance the livelihood of the forest fringe communities in the Western Ghats, India: An approach to

- management? Presented and published in the International Conference on Plant Invasives in the Tropics: Ecology, Management and Livelihoods, Bangalore, India. 2009
- Kannan, R., **Joseph, G.**, & Shaanker, R. U. Managing Lantana Camara and restoring native biological diversity In the Western Ghats, India. Abstract presented and published in the Proceedings of The International Conference Asia and the Pacific Forest Health Workshop – Forest Health in a Changing World. Kuala Lumpur, Malaysia. 2009
- Kannan, R., **Joseph, G.**, & Shaanker, R. U. Conserving Rattan and Wrightia tinctoria: By utilising the invasive weed Lantana camara as a substitute. Presented and published by the Proceedings of the 22nd Annual Conference of the Society for Conservation Biology, from the Mountains to the Sea. Chattanooga, TN. 2008
- Kannan, R., **Joseph, G.**, & Shaanker, R. U. Promoting the use of invasive weed, as an important bioresource, to enhance livelihoods of forest dwelling communities. Presented in the International Symposium on Entrepreneurship-Perspectives and Challenges with Special Focus on Social Entrepreneurship. Bangalore, India. 2008
- Kannan, R., **Joseph, G.**, & Shaanker, R. U. Lantana camara an invasive weed; indigenous tribes of South India are judiciously converting this weed into valuable products. Presented and published in the Proceedings of the 21st Annual Conference of the Society for Conservation Biology, One World One Conservation One Partnership. Elizabeth, Eastern Cape, South Africa. 2008
- Kannan, R., **Joseph, G.**, & Shaanker, R. U. An alternative livelihood for Forest Dwellers by prudent use of local resource and traditional skill. Abstract published in the Proceedings of the National Conference on Management Science and Practice. Madras, India. 2007
- Kannan, R., **Joseph, G.**, & Shaanker, R. U. Lantana Craft Centre: A social enterprise based on weed utilization to enhance livelihood of Soligas. Abstract published in the Proceedings of the Conference on Biodiversity Conservation and Human Wellbeing. Hyderabad, India. 2007
- Kannan, R., **Joseph, G.**, & Shaanker, R. U. Lantana camara, an invasive weed: Indigenous tribes of South India are judiciously converting this weed into

valuable products. Abstract presented in the 21st Annual Conference of the Society for Conservation Biology. Port Elizabeth, South Africa. 2007