

CURRICULUM VITAE

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Agricultural Systems and Engineering Field of Study and
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Major Area: Agricultural and Natural Resources Management

Date of Birth: August 12, 1953

Country of Residence and Citizenship: NEPAL

Marital Status: Married

Name of Spouse: Rama Shivakoti

Education:

Ph.D. 1991 Michigan State University, East Lansing, USA, Resource Development.
Diploma 1983 National Agricultural College, Deventer, The Netherlands, Teacher
Training in Agriculture.
M.S. 1979 University of Udaipur, India, Agricultural Economics.
B.S. 1974 University of Udaipur, India, General Agriculture with Dairy Science

and Agricultural Extension Electives.

Fellowships, Awards and Membership in Professional Society:

1969-74: USAID Participant Scholarship, B.S. in Agriculture

1977-79: USAID Participant Scholarship, M.S. in Agricultural Economics

1982-83: Netherlands Government International Student Scholarship: Diploma in Teacher Training in Agriculture

1991-92: Ford Foundation Pre-Doctoral Dissertation Fellowship (Michigan State University) and Post-Doctoral Fellowship (Indiana University) for carrying irrigation institutions and policy related research..

1994: King Mahendra Literary Award: Grade “A”.

Member: Nepal Agricultural Association: 1975 - to date.

Member: Indian Society of Agricultural Economics: 1977-1987.

Member: International Association for the Study of Common Property Resources: 1991 - to date.

Member: International Water Resources Association: 2002-to date

Member: Population Association of America: 1995 - to date.

Member: South Asia Network on Development and Environment Economics (SANDEE)

Member: South-East Asia Network on Sustainable Upland Natural Resources Management (SANREM).

Experiences:

July 2014-June 2016: Adjunct Professor, Asian Institute of Technology, Thailand.

August 2014-May 2015: Visiting Professor, College of Liberal Arts and Science, Arizona State University, USA

December 2006-June 2014: Professor, Agricultural and Natural Resources Economics, AIT.

January-August 2010: Visiting Professor: Global Forest and Environmental Sustainability Laboratory, Graduate School of Agriculture and Life Sciences, University of Tokyo, Japan.

November 2000-2006: Associate Professor, Agricultural and Natural Resources Economics, AIT.

July, 2003 through January, 2004: Visiting Scholar, Workshop in Political Theory and Policy Analysis, Indiana University, 513 N. Park, Bloomington, IN 47408-3895, USA

July 1995-date: Non-resident Scholar and Affiliated Faculty, Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis, Indiana University, 513 N. Park, Bloomington, IN 47408-3895, USA

June 2001-December 2004: Ford Foundation Grant Recipient for organizing an international Workshop at AIT and publication of a synthesis volume in “Asian Irrigation Institutions and Systems in Transition: Sustainability Implications”

August, 1998 – November 2000: Visiting Faculty, Agricultural and Natural Resource Economics, AIT

December 1999-date: Co-director, Center for the Study of Rural Population and Forest Resources (RUPAFOR), AIT for conducting International Forestry Resources and Institutions (IFRI) research and training in South and SE Asia.

December 1998- December, 2000: Associate Professor, Agricultural Economics, Institute of Agriculture, Tribhuvan University, Nepal

January, 1995 - July, 1998: Member: Faculty Board; Institute of Agriculture and Animal Science

(IAAS), Tribhuvan University, Rampur, Chitwan, Nepal
 January 1994 - July 1998: Co-Director, Population and Ecology Research Laboratory, IAAS, Rampur, Chitwan and Population Research Institute, Penn State University.
 July 1992-July 1998: Senior Lecturer, Institute of Agriculture, Tribhuvan University, Nepal.
 January 1992 - July 1998: Coordinator, Rural Resources Studies Program and Member: Irrigation Management Systems Study Group, IAAS, Rampur, Chitwan, Nepal.
 January 1994 - December 1995: Board of Overseas: International Center for Self-Governance, Institute for Contemporary Studies, San Francisco, California, USA.
 December 1991 - June 1992: Research Associate; Nepal Irrigation Institutions and Systems; Workshop in Political Theory and Policy Analysis, Indiana University, Bloomington, Indiana, USA.
 March 1990 - May 1991: Field Researcher in Nepal on “Nepal Irrigation Institutions and Systems”; Workshop in Political Theory and Policy Analysis, Indiana University.
 September 1989 - March 1990: Graduate Assistant, Sustainable Watershed Development Project, Department of Resource Development/Institute of International Agriculture, MSU, East Lansing.
 March - June 1989: Graduate Assistant, FAO Global Agricultural Extension Study to prepare comparative study report on General Agricultural Extension Approach, Department of Resource Development, MSU.
 March - December 1988: Graduate Assistant, Sustainable International Development to prepare workshop modules, Institute of International Agriculture, MSU.
 June 1987 - March 1990: Graduate Assistant, Thoman Fellow Program on Famine, Hunger and Food Security, International Studies and Programs, MSU.
 July 1984 – June 1992: Lecturer, Department of Agricultural Economics, IAAS, Rampur, Chitwan.
 January 1984 - December 1986: Chairperson: Department of Agricultural Economics, IAAS, Rampur.
 June 1980 - June 1984: Lecturer, Rural Development Department, IAAS, Rampur.
 January 1980 -August 1982: Chairperson, Rural Development Department, IAAS, Rampur.
 August 1975 - June 1980: Assistant Lecturer, Dairy Science, Animal Science Department, IAAS, Rampur.
 September 1974 - August 1975: Vocational Ag. Teacher, Bhanu Secondary School, Mangalbare, Illam, Nepal.

Publications:

Journal Articles: (84)

1. Achyar, Eris, D. Schmidt-Vogt and **Ganesh P. Shivakoti**. 2015. “Dynamics of the multi-stakeholder forum and its effectiveness in promoting sustainable forest fire management practices in South Sumatra, Indonesia.” *Environmental Development*. 13(2015):4-17.
2. Kesaro, Leung, D. Schmidt-Vogt and **Ganesh Prasad Shivakoti**. 2014 (published online). Economic value of wild aquatic resources in the Ang Trapeang Thmor Sarus Crane Reserve, North-western Cambodia. *Wetlands Ecology and Management*. DOI 10.1007/s11273-014-9395-x.
3. Sapkota, Lok Mani, R. Shrestha, J. Damien and Ganesh P. Shivakoti. 2014 (published online). "Factors Affecting Collective Action for Forest Fire Management: A Comparative Study of Community Forest User Groups in Central Siwalik, Nepal." *Environmental Management*. <http://link.springer.com/article/10.1007/s00267-014-0404-x>.
4. Ullah, Raza and Ganesh P Shivakoti. 2014 (in press). “Adoption of on-farm and off-farm

- diversification to manage agricultural risks: Are these decisions correlated?” *Outlook on Agriculture*. 43(4).
5. Pattanapant, Arpaphan and Ganesh P. Shivakoti. 2014. “Factors influencing the adoption of organic agriculture in Chiang Mai Province, Thailand.” *Journal of Food, Agriculture & Environment*.12(1):132-139.
 6. Kuswardhani, N., P. Soni and Ganesh P. Shivakoti. 2014. “Cluster analysis for classification of farm households based on socio-economic characteristics for technology adoption in agriculture: A case study of West Java province, Indonesia.” *Journal of Food, Agriculture & Environment*.12(1):238-247.
 7. Kamran, M.A. and Ganesh P. Shivakoti. 2013.”Comparative institutional analysis of customary rights and colonial law in spate irrigation systems of Pakistani Punjab.” *Water International*. 38 (5): 601-619.
 8. Kamran, M.A. and Ganesh P. Shivakoti. 2013.”Design principles in tribal and settled areas spate irrigation management institutions in Punjab, Pakistan.” *Asia Pacific Viewpoint*. 54(2): 206-217.
 9. Haiyun, Chen, Zhu Ting, Max Krott, Jose Calvo, Ganesh P. Shivakoti and Makoto Inoue. 2013. “Measurement and evaluation of livelihood assets in sustainable forest commons governance.” *Land Use Policy*. 30(1):908-914.
 10. Kamran, M.A. and Ganesh P. Shivakoti. 2013. “Local risk perceptions to identify institutional and development planning needs.” *Development in Practice*. 23(4):575-588.
 11. Leeben, Y., P. Soni and Ganesh P. Shivakoti. 2013. “Indicators of sustainable development for assessing performance of pineapple canneries: Conceptual framework and application.” *Journal of Food, Agriculture and Environment*. 11(2):100-109.
 12. Yuerlita, Yuerlita; S. Perret and Ganesh P. Shivakoti. 2013. “Fishing Farmers or Farming Fishers? Fishing Typology of Inland Small-scale Fishing Households and Fisheries Management in Singkarak Lake, West Sumatra, Indonesia.” *Environmental Management*. 52(1):85-89.
 13. Kuswardhani, N., P. Soni and Ganesh P. Shivakoti. 2013 . “Comparative energy input-output and financial analyses of greenhouse and open field vegetables production in West Java, Indonesia.” *Energy* . 53:83-92.
 14. Chowdhury MA, Khairun Y, Shivakoti GP (in press) Indicator-based sustainability assessment of shrimp farming: a case for extensive culture methods in south-western coastal Bangladesh. *International Journal of Sustainable Development*. Special issue on "In the Name of Sustainability". Inder-Science Publications. Accepted (in press). <http://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijsd>
 15. Kamran, M.A. and Ganesh P. Shivakoti.. 2013. “Design principles in tribal and settled areas spate irrigation management institutions in Punjab, Pakistan.” *Asia Pacific Viewpoint*. 54(2): 206-217.
 16. Haiyun, Chen; Ganesh Shivakoti, Zhu, Ting and David Maddox. 2012. “Livelihood Sustainability and Community Based Co-Management Projects in China: Change and Improvements.” *Environmental Management*. 49(1): 219-28.
 17. Ahmad, Sajjad, S.R. Perret, R. Nawaz and Ganesh P. Shivakoti. 2012. “Relationships between farm size and operational performances in irrigated cropping systems under contrasted governance systems in Punjab (Pakistan).” *Journal of Food, Agriculture and Environment*. 10(2):132-145.
 18. Zhu Ting, Ganesh P. Shivakoti, Chen Haiyun and David Maddox. 2012. “A survey-based

- evaluation of community-based co-management of forest resource: a case study of Baishuijiang National Nature Reserve in China.” *Environment, Development and Sustainability*. 14(2):197-220.
19. Longpichai, Onanong, S. R. Perret and Ganesh P. Shivakoti. 2012. “Role of livelihood capital in shaping the farming strategies and outcomes of smallholder rubber producers in southern Thailand.” *Outlook on Agriculture*. 41(2):117-124.
 20. Bastakoti, R. C., and G. P. Shivakoti. 2011. Rules and collective actions: An institutional analysis of irrigation systems in Nepal. *Journal of Institutional Economics*. 8 (2): 225-246.
 21. Qasim, S. , Shrestha, R. P. , Shivakoti, G. P. and Tripathi, N. K..2011. 'Socio-economic determinants of land degradation in Pishin sub-basin, Pakistan', *International Journal of Sustainable Development & World Ecology*, 18(1):48—54.
 22. Zhu Ting, Chen Haiyun, Ganesh P. Shivakoti, Roland Cochard and Kanokwan Homcha-aim. 2011. “Revisit to community forest in northeast of Thailand: changes in status and utilization.” *Environment, Development and Sustainability*. 13(2):385-402.
 23. Bastakoti, Ram; Ganesh Shivakoti and Louis Label. 2010. “Local irrigation management institutions mediate changes driven by external policy and market pressures in Nepal and Thailand.” *Environmental Management*. 46:411-423.
 24. Karna, Birendra, Ganesh P. Shivakoti and Edward L. Webb.2010. “Resilience of community forestry under conditions of armed conflict in Nepal.” *Environmental Conservation*. 37(2): 1-9.
 25. Ghimire, Y.N., Ganesh P. Shivakoti and S. R. Perret. 2010. “Household level vulnerability to drought in hill agriculture of Nepal: implications for adaptation planning.” *International Journal of Sustainable Development and World Ecology*. 17(3):225-230.
 26. Chalermphol, Juthathip and Genesh P. Shivakoti. 2009. “Pesticide use and prevention practices of tangerine growers in Northern Thailand” *Journal of Agricultural Education and Extension*. 15(1):21-38.
 27. Pattanapant, Arpaphan and Ganesh P. Shivakoti. 2009. “Opportunities and constraints of organic agriculture in Chiang Mai Province, Thailand.” *Asia Pacific Journal of Rural Development*. 16(1): 115-147.
 28. Yonariza and Ganesh Shivakoti. 2008. Decentralization and Co-management of Protected Areas in Indonesia. *Journal of Legal Pluralism*. No. 57(1):141-165.
 29. Khumsree, Malasree, K. Ruddle and Ganesh P. Shivakoti. 2009. “Rights and Conflicts in the Management of Fisheries in the Lower Songkhram River Basin, Northeast Thailand.” *Environmental Management*. 43(1):557-570.
 30. Mahdi, Ganesh P. Shivakoti and Dietrich Schmidt-Vogt 2009. “Livelihood Change and Livelihood Sustainability in the Uplands of Lembang Subwatershed, West Sumatra, Indonesia, in a Changing Natural Resource Management Context.” *Environmental Management*. 43(1):141-165.
 31. Cochard Roland, S.L. Ranamukhaarachchi, G.P. Shivakoti, O.V. Shipin, P.J. Edwards and K.T.Seeland. 2008.The 2004 tsunami in Aceh and Southern Thailand: a review on coastal ecosystems, wave hazards and vulnerability” *Perspectives in Plant Ecology, Evolution and Systematics*. 10(2008):3-40. Elsevier.
 32. Viswanathan, P.K. and Ganesh Shivakoti .2008. “Adoption of Rubber Integrated Farm Livelihood Systems: Contrasting Empirical Evidences from Indian Context.” *Journal of Forest Research*.13(1):1-14.
 33. Viswanathan, P.K. and Ganesh P. Shivakoti. 2007. Conceptualising Sustainable Farm-livelihood Systems in the Era of Globalisation: A study of Rubber Integrated Farm Livelihood Systems in

- North East India. *Social Change and Development*. 5:111-142.
34. Lasut, Markus, K. R. Jensen and Ganesh Shivakoti. 2008. "Analysis of constraints and potentials for wastewater management in the coastal city of Manado, North Sulawesi, Indonesia." *Journal of Environmental Management*. 88(4):1141-1150.
 35. Saengsupavanich, Cherdvong, U. Seenprachawong, W.G. Gallardo and G. Shivakoti. 2007. "Port-induced erosion prediction and valuation of a local recreational beach." *Ecological Economics*. 67(1):93-103.
 36. Shivakoti Ganesh P. and R.C. Bastakoti . 2006 . "The robustness of Montane Irrigation Systems of Thailand in a dynamic human-water resources interface." *Journal of Institutional Economics*. 2(2):227-247.
 37. Viswanathan, P.K. and Ganesh P. Shivakoti. 2006. Economic Integration of Tribal Societies in the Era of Globalisation: Perspectives on Rubber Based Farming Systems in North East India. *North East India Studies*, 1(2):80-106.
 38. Dorji, Lam, E. Webb and G. P. Shivakoti. 2006 "Forest Property Rights under Nationalized Forest Management in Bhutan." *Environmental Conservation*. 33(2):141-147.
 39. Singzon, Sharon and Ganesh P. Shivakoti. 2006. "Participation in Integrated Watershed Development and Management: Role of Informal Intermediaries in Lamphra Phloeng Watershed Development in Northeast Thailand. *Asian Profile*. 34(2):1-20.
 40. Maraseni, T.N.,G. P. Shivakoti, G. Cockfield and A. Apan. 2006. "Nepalese Non-timber Forest Products: An Analysis of the Equitability of Profit Distribution across a Supply Chain to India." *Small-scale Forest Economics, Management and Policy*. 5(2):191-206.
 41. Das, Romy and Ganesh P. Shivakoti. 2006 "Livestock Carrying Capacity Evaluation of Land Resources in Integrated Farming System: A Case Study from Mid Hills of Nepal." *The International Journal of Sustainable Development and World Ecology*.13(3):153-163.
 42. Chowdhury, M.A., Ganesh P. Shivakoti and M. Salequzzaman 2006. "A Conceptual Framework for Sustainability Assessment Procedures of the Shrimp Aquaculture Industry in Coastal Bangladesh." *International Journal of Agricultural Resources, Governance and Ecology*. 5(2/3):162-184.
 43. Pongponrat, K., S. Pongquan and Ganesh Shivakoti. 2006. "Initiation of Participatory Tourism Planning by Local Government: A Case Study of Community Cleaning Day, Koh Samui, Surat Thani Province, Southern Thailand." *Journal of Hospitality and Tourism*. 4(2):65-89.
 44. Shivakoti, Ganesh and S. Shrestha. 2005 "Analysis of Livelihood Asset Pentagon to Assess the Performance of an Irrigation System - Part 1: Analytical Framework." *Water International*. 30(3):356-362.
 45. Shivakoti, Ganesh and S. Shrestha 2005). "Analysis of Livelihood Asset Pentagon to Assess the Performance of an Irrigation System - Part 2: Application of Analytical Framework, Part 1." *Water International*. 30(3):363-371.
 46. Shivakoti, Ganesh, Yamuna Ghale and Bishnu Upreti. 2005. "The Ecological Dynamics of Low-External-Input Agriculture: A Case Study of Hill Farming in Developing Country Setting." *The International Journal of Sustainable Development and World Ecology*. 12(4):385-397.
 47. Muangkaew, Tatsanee and Ganesh P. Shivakoti . 2005. "Effect of Livelihood Assets on Rice Productivity: Case Study of Rice-based Farming in Southern Thailand." *ISSAAS Journal*. 11(2):120-132
 48. Shivakoti, Ganesh and S.B. Thapa. 2005. "Farmers' Perceptions of Institutional Participation and

- Effectiveness in Management of Mid-hill Watersheds in Nepal.” *Environmental and Development Economics*. 10(5):665-688.
49. Gautam, A. and G. Shivakoti. 2005. “Conditions for successful local collective action in forestry: Some evidences from the hills of Nepal.” *Society and Natural Resources*. 18(2):153-171.
 50. Dendi, Astia, G. P. Shivakoti, R. Dale and S.L. Ranamukhaarachchi 2005. “Evolution of the Minangkabau’s Shifting Cultivation in the West Sumatra Highland of Indonesia & Its Strategic Implications for Dynamic Farming Systems.” *Land Degradation & Development*. 16(1):13-26.
 51. Chuaduangpui, Pornpimon. and G.P. Shivakoti 2004. “Initiation of sea water irrigation co-management for marine shrimp farming in Thailand.” *Asia-Pacific Journal of Rural Development*. 14(2):52-79.
 52. Shivakoti, G.P. and Majumder, J.R. 2004. “Constraints of Tilapia (*Oreochromis niloticus*) production in Bangladesh: Looking from socioeconomic perspectives.” *Asia-Pacific Journal of Rural Development*. 14(1):29-55.
 53. Kijtewachakul, Nitaya, G. Shivakoit and E. Webb. 2004. “Forest Health, Collective Behaviors and Management.” *Environmental Management*. 33(5):620-636.
 54. Gautam, Ambika, Ganesh P. Shivakoti and E.L. Webb. 2004. “A review of forest policies, institutions, and the resource condition in Nepal.” *The International Forestry Review*. 6(2):136-148.
 55. Gautam, Ambika, Ganesh P. Shivakoti and E.L. Webb. 2004. “Forest Cover Change, Physiography, Local Economy and Institutions in a Mountain Watershed in Nepal.” *Environmental Management*. 33(1):48-61.
 56. Dendi, Astia and Ganesh P. Shivakoti 2003. “Assessment of Participatory Extension Approaches for Sustainable Agriculture Development in Uplands of West Sumatra, Indonesia” *Asia Pacific Journal of Rural Development*. 12(2):19-43.
 57. Anuchiracheeva, Supaporn, H. Demaine, G. P. Shivakoti and K. Ruddle . 2003. “Systematizing local knowledge using GIS: fisheries management in Bang Saphan Bay, Thailand.” *Ocean and Coastal Management*. 46(2003):1049-1068.
 58. Shrestha, Shiddi Ganesh and Ganesh Prasad Shivakoti. 2003. “Prominent Livelihood Asset Pentagon within the Analytical Framework of Irrigation System Performance Assessment.” *Asia Pacific Journal of Rural Development*. 12(1):60-88.
 59. Gautam, Ambika, E.L. Webb, G.P. Shivakoti and Michael Zoebisch. 2003 . “Land use dynamics and landscape change pattern in a mountain watershed in Nepal.” *Agriculture, Ecosystems and Environment*. 99(2003):83-96.
 60. Dorji, L., E.L. Webb and Ganesh P. Shivakoti . 2003. “Can a Nationalized Forest Management System Uphold Local Institutions? A Case of Leaf Litter Forest (soksing) Management in Bhutan.” *Asian Studies Review*. 27(3):341-359.
 61. Rahman, M.M., Ganesh P. Shivakoti, M. J. Uddin, S.M.A.T. Khandakar. 2002. “Arsenic Accumulation in Kangkong (*Ipomoea reptans*) and the Effects of Phosphate Fertilizer in its Availability in Soil.” *Asia Pacific Journal of Rural Development*. 11(1):65-75.
 62. Gautam, Ambika, E.L. Webb and Ganesh P. Shivakoti 2002. “Local Participants’ Perceptions About Socio-Economic and Environmental Impacts of Community Forestry in the Middle Hills of Nepal.” *Asia Pacific Journal of Rural Development*. 12(2):60-81.
 63. Somboonsuke, B and G.P. Shivakoti and H. Demaine. 2002. “Rubber-based Farming Systems in Thailand: Problems, Potential, Solutions and Constraints.” *Journal of Rural Development*.

- 21(1):85-113.
64. Majumder, J. and G. P. Shivakoti. 2001. "Managing System within a Non-systemic Vicious Circle: Institutional Linkage Analysis to Identify the Constraints of Technology Transfer and Adoption under Crop Diversification Program in Bangladesh." *Asia Pacific Journal of Rural Development*. 12(2):86-114.
 65. Somboonsuke, B and G.P. Shivakoti and H. Demaine. 2001. "Agricultural Sustainability Through Empowerment of Rubber Small Holders in Thailand." *Asia-Pacific Journal of Rural Development*. 11(1):65-89.
 66. Bhandari, B.S., G.P. Shivakoti and B.W.E. Wickramanayake. 2001. "Actors and Factors Affecting the Performance of Rural Drinking Water Supply Schemes in Nepal." *Water Resources Journal*, ESCAP, United Nations. June. ST/ESCAP/SER.C/209: 63-73.
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 69. Shivakoti, Ganesh. 2000. "Farmer Perceptions of Organizational Efficacy of Farmer and Agency Managed Irrigation Systems in Nepal" *Water Resources Journal*, ESCAP, United Nations. September. ST/ESCAP/SER.C/206:67-79.
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 77. Shivakoti, Ganesh. 1994. "Farmers' Perceptions of Performance in Farmer and Agency Managed Irrigation Systems in Nepal." *The Economic Journal of Nepal*. 17(2):85-108.
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- Satisfaction: IAAS B. Sc. Ag. Graduates”: *The Economic Journal of Nepal*. 11(1):60-71.
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81. Poudel R., G.P. Shivakoti and K. Gajurel. 1986. “Economic Analysis of Ghaiya Paddy and Maize Cultivation in Sundar Bazar, Lamjung, Nepal.” *Jo. of Inst. of Agric. & Anim. Scie.* Vol. 7(1): 44-56.
82. Shivakoti, G.P., G.H. Axinn, N.W. Axinn and N.A. Khan. 1977. “The Role of Livestock in the Farming System in Sharada Nagar Panchayat in Chitwan District, Nepal - A Review”. *Journal of the Inst. of Agri. and An. Sc.*; 1(1):126-156.
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Research Reports: (15)

Shivakoti, Ganesh, Jiban Majumder and Roberto Clemente. 2003. Impact of Development Intervention on Livelihood and Water Resources: Paerspectives of Changes in the Galaudu Pokhare Watershed in Nepal. Research Report, Integrated Watershed Development and Management Program, Asian Institute of Technology, Bangkok, Thailand.

Shivakoti, Ganesh. 2000. Participatory Interventions in Farmer-Managed Irrigation Systems in Northern Thailand: Dynamism in Resource Mobilization. FMIS Dialogue Series # 3. FMIS Promotion Trust, Kathmandu, Nepal September 2000.

Shivakoti, Ganesh, A. Shukla, K. Tiwari, T. Gautam and P. Bhandari. 1997. **Resource Dynamics and Farming System Economics in Nepalese Hills: Sustainability Analysis**. Research Report Submitted to Farm Management and Production Economics Service, ASD of the FAO, Rome.

Shivakoti, Ganesh and Raghu Adhikary. 1995. **Final Evaluation of the Small Farmers Community Project, Rapti CARE NEPAL/ADB**. CARE/Nepal, Pulchowk, Patan, Nepal.

Shivakoti, Ganesh. 1994. **Study of Support Services for Farmer-Managed Irrigation Systems in Nepal**. Research Report submitted to the Local Management Program, International Irrigation Management Institute, Colombo, Sri Lanka.

Shivakoti, G. and P. Bhandari, 1994. Farmer-to-Farmer Training: An Effective Tool to Assist Farmer Managed Irrigation Systems in North-East Tanahu and Nawalparasi, Nepal. An Action Research Report jointly submitted to the UNDP Project on Supporting Decentralization in Nepal UNDP, Kathmandu, Nepal and International Center for Self-Governance, San Francisco, California.

Shivakoti, Ganesh. 1992. “**How External Interventions May Help Farmer Organized Irrigation Systems in Nepal**.” Nepal Irrigation Institutions and Systems Technical Report Number 2. Workshop in Political Theory and Policy Analysis, Indiana University, USA.

Shivakoti, Ganesh. 1991. “**Organizational Effectiveness of User and Non-user Controlled Irrigation Systems in Nepal**”: unpublished PhD. Dissertation. Department of Resource Development. Michigan State University. East Lansing, Michigan, U.S.A.: October, 1991.

Shivakoti, G.P., J. Dixon and A. Shukla. 1993. **Farming System Economics of Natural Resource Degradation in the Himalayas**. Research Report submitted to the Farm Management and Production Economics Services Program, Agricultural Production Division, FAO, Rome.

Shivakoti, Ganesh, K. Giri and E. Ostrom. 1992. **Farmer-Managed Irrigation Systems in Nepal: The Impact of Interventions**. Research Report Series Number 18. HMG Ministry of Agriculture/Winrock International, Policy Analysis in Agriculture and Related Resources Management, Kathmandu, Nepal.

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16. **Shivakoti, Ganesh P.** and Ramji Neupane: “*Issues and Understanding of Integrated Watershed Development and Management: An Asian Perspective*.” In Thapa, G.B., **G.P. Shivakoti**, M. Zoebisch, G. Sharma and Ramji Neupane. 2001. **Integrated Watershed Development and Management in Asia: Training and Research Needs and Priorities**. Asian Institute of Technology. Klong Luang:Pathumthani, Thailand. Pp. 01-08.

Research Reports and Monographs (7):

Shivakoti, Ganesh, I. Mimami, P. Jantakad, Raza Ullah, Sangam Shrestha and Avishek Datta. 2014 (in press). *Crop production for food security in Lower Mekong River Basin: Baseline and pilot modeling*. MRC Technical Paper, Agriculture and Irrigation Program, Mekong River Commission, Phnom Penh. 171 Pp.

Shivakoti, Ganesh and R.C. Bastakoti.2010. *Multi-functionality of Paddy Fields over the*

Lower Mekong Basin, MRC Technical Paper No. 26, Mekong River Commission, Vientiane. 72 Pp.

Shivakoti, Ganesh P. , R.C. Bastakoti and W.F. Lam. 2005. "Agricultural diversification, irrigation development and political economy of irrigation governance in Thailand" Report submitted to Research Grants Council of Hong Kong (Grant Number: HKU7233/03H) made to the University of Hong Kong on the project "Asian Irrigation Institutions and Systems (AIIS) Dynamics study and Database Management"

Shivakoti, Ganesh P. and S.G. Shrestha. 2004. "Irrigation Development and Pattern of Socio-ecological Process in Improving Agricultural Development in Nepal and Emergence of Area Based Irrigated Agriculture." Report submitted to Research Grants Council of Hong Kong (Grant Number: HKU7233/03H) made to the University of Hong Kong on the project "Asian Irrigation Institutions and Systems (AIIS) Dynamics study and Database Management"

Shivakoti, Ganesh, J. Majumder and R. Clemente. 2003. Impact of Development Intervention in Livelihood and Water Resources: Perspectives of Changes in the Gaulundu Pokhare Watershed in Nepal. Research Report. Integrated Watershed Development and Management Program, Asian Institute of Technology, Bangkok, Thailand. July 2003.

Shivakoti, Ganesh, S.B. Thapa and K.M. Cho. (ed) 2000. Improving Farm Management Practices and Cropping Production Systems in South-East Asia. Agricultural Systems Research Paper Series No. 1. AASE Program. AIT:Bangkok.

Chapters co-authored (2):

Cho, K.M., G.K. Hansen and G.P. Shivakoti: Chapter 1: "Modelling assesment of upland cropping systems in the dry zone area: A case study of the Kyaukpadaung Township, Myanmar. Pp.1-20.

Cho, K.M., G.K. Hansen and G.P. Shivakoti: Chapter 4: "The assessment of rainfed upland cropping systems in the dry zone area: A case study of the Kyaukpadaung Township, Myanmar. Pp.67-80.

Ostrom, E., P. Benjamin and G. Shivakoti. 1992. "Institutions, Incentives, and Irrigation in Nepal:" June 1992. (Monograph) Workshop in Political Theory and Policy Analysis, Indiana University, Bloomington, Indiana, USA.

Proceedings (3):

1. **Shivakoti, G., G. Varughese, E. Ostrom, A. Shukla and G. Thapa. 1997. People and Participation in Sustainable Development: Understanding the Dynamics of Natural Resource System.** (Proceedings of an International Conference held at the Institute of Agriculture and Animal Science, Rampur, Chitwan, Nepal. 17-21 March, 1996). Bloomington, Indiana and Rampur, Chitwan. **Book reviewed by Janice Jiggins, Professor at Swedish University of Agricultural Science , Upsala in the Elsevier published Journal *Ecological Economics* 28(1999):149-151.**

2. Sowerwine, J., **G. Shivakoti**, U. Pradhan, A. Shukla and E. Ostrom. 1994. “**From Farmers’ Fields to Data Fields and Back—A Synthesis of Participatory Information System for Irrigation and Other Resources**” Proceeding of the International Workshop held at the Institute of Agriculture and Animal Science, Rampur, Nepal, March 21-26. Colombo, Sri Lanka, IIMI and Rampur, Nepal, IAAS.
3. Shukla, A., **G. Shivakoti**, K.R. Sharma and R.P. Satyal. 1993. “**Proceedings of the Workshop on Curriculum Development in On-Farm Irrigation Management**” held at the Institute of Agriculture and Animal Science, Rampur, Chitwan. May 13-14, 1993. IAAS, Rampur:Chitwan; RTDB, Department of Irrigation:Kathmandu; and Winrock International:Kathmandu.

Service / Outreach

A. Significant Institute committee service

- Member: School Academic Council (November 1999 until September 2000)
- Member: AIT Library Committee (November 1999 – 2002)
- Member: Integrated Watershed Development and Management (IWDM) Steering Committee January 1999- October 2000 and January 2001-date.
- Member: Faculty Promotion and Contract Renewal Committee (2005 August-date).
- Coordinator: Agricultural Systems Field of Study (From October 1999-September 2000).

C. Promotion and marketing

- Chair: SERD School Promotion Committee (2006-2008)
- Member: Mekong Wetland Alliance, Swedish Project coordinated by AIT
- AIT Contact person for Kathmandu University’s Graduate Program in Human and Natural Resources.
- AIT Contact person for Andalas University, Sumatra, Indonesia and Hue University of Agriculture and Forestry, Vietnam for collaboration with Ford Funded Project and MacArthur Foundation in initiating Masters Program in Natural Resources Management.
- Co-Director, International Forestry Resources and Institutions (IFRI) Collaborative Research Center (CRC) for SE Asia – AIT (Web page: www.indiana.edu/~ifri).
- AIT contact person and Course Director for Michigan State University (MSU) for initiating semester long MSU Studies Abroad Program for South-East Asia. 2003-2009.

- Course Coordinator for 10 Masters students of Graduate School of Governance from SungKyunKwan University, South Korea for Training cum Internship on “Asian Governance and Leadership Training and Internship.” 2005-2009
- Evaluating social science program of National University of East Timore for possible involvement in future in strengthening social science program through USAID support.

Major Consulting Services

- i. to RCUP/USAID/SECID for Economic Analysis of the Resource Conservation and Utilization Project (RCUP) for Agronomy, Horticulture and Irrigation activities. 1984-85.
- ii. to IAAS-II/USAID/USU for Follow-up Study of B.Sc. Graduates of Institute of Agriculture and Animal Science, Rampur, Nepal. 1986.
- iii. to HMG/FAO for analyzing and writing three Cluster Reports (Nipane, Sindhuli; Bishnupura, Rupandehi; and, Phalawang, Salyan) on National Farm Management Study of His Majesty’s Government of Nepal, 1985.
- iv. to USAID/Associates in Rural Development, Vermont/Irrigation Management Center of Nepal for preparing research proposal on “Public Intervention in Farmer Managed Irrigation Systems in Nepal”. August 1989.
- v. to IIMI as an Institutional/Organizational Management Specialist for conducting field study and writing report on “Process and Performance Evaluation of ADB/N Supported Irrigation Schemes.” July-September, 1990.
- vi. to International Fund for Agricultural Development(IFAD) as Institutional/Rural Poverty Specialist for preparing Nepal Poverty Profile and identification of Target Group on “Nepal: Farmer-Managed Small Scale Irrigation Projects.” November-December, 1990.
- vii. to International Irrigation Management Institute as Institutional Specialist to develop Database Instrument on Irrigators’ Organization. Manila: October, 1992 and Colombo: November, 1992.
- viii. to International Irrigation Management Institute for preparing research report on Support Services for Farmer Managed Irrigation System in Nepal. July-August, 1993 and December, 1993.
- ix. to FAO for preparing Agricultural Extension Strategy Document for Nepal, November-December, 1993 and February-March 1994.
- x. to CARE Nepal for Final Evaluation of the Small Farmers Irrigation and Community Project, Rapti CARE Nepal/Agricultural Development Bank of Nepal. December, 1994 - January, 1995.
- xi. to UNDP/Nepal for preparing Program Document for “Programme to Assist Hill Agriculture Diversification (PAHAD)” as Organizational and Marketing Specialist. April-July, 1998.
- xii. To the ESCAP/UNEP: Drafting Background paper for ESCAP Region Ministerial Conference on Implementation of Agenda 21 and the Regional Action Programme 1996-2000. October 15-December 15, 1999.
- xiii. To the Government of Lao, Ministry of Agriculture Capacity-building Project: 2001. Resource person of Training on Integrated Watershed Development and Management for the senior Ministry Officials.

- xiv. To the UNOPS/New York and ECO Secretariat, Tehran, Iran: Consultancy services on drafting Concept paper on ECO Regional Cooperation in Food Security (Azerbaijan, Afghanistan, Iran, Kazakhstan, Kyrgyz, Pakistan, Tajikistan, Turkey, Turkmenistan and Uzbekistan) April – September 2001.
- xv. To the Food and Agricultural Organization Regional Office for the Asia-Pacific, Bangkok of the UN as a consultant –discussant on paper “New Institutions for Agricultural and Rural Development in the Asia-Pacific Region” by P.M. Villegas for publication in the volume on Current Emerging Issues for Economic Analysis and Policy Research (CUREMIS-II). May 30-31, 2002.
- xvi. To USAID/Associates in Rural Development, Inc./National University of East Timor:Land Law Program-2 on “Assessment of Agricultural socio-economic survey, benefit-cost analysis of agricultural projects and land economics training needs for the Agriculture and Economics Faculty at National University of East Timor.” December 12, 2004-January 31, 2005.
- xvii. To USAID/Associates in Rural Development, Inc./National University of East Timor:Land Law Program-2 worked as the resource person for training on “Methods of land valuation and rent; and on the issues related to land expropriation, title restitution, and zoning.” April 6-19, 2005 and June 18-July 10, 2005.
- xviii. To Mekong Wetland Biodiversity Program, Project Management Unit, Vientiane, Lao PDR; worked as resource person for training on “Economic Valuation in Relation to Wetland Management: Concepts and Issues”. 10-15 October, 2005.
- xix. To Asian Development Bank as Flood/Drought Specialist- Lao PDR through VisionRI Connexion Services Pvt Ltd. TA 5456-REG: Preparing the Greater Mekong Sub-region Flood and Drought Risk Management and Mitigation Project. March 2009-May 2010 (Three months).
- xx. To Mekong River Commission Secretariat for Drafting Research Report on “Multi-functionality of Paddy Field over the Lower Mekong Basin (LMB)” August-September 2009.
- xxi. To International Fund for Agriculture Development (IFAD), Rome for “Country Program Evaluation, Vietnam: Agriculture and Irrigation.” March-July. 2011.
- xxii. To The Agriculture and Irrigation Program of Mekong River Commission Secretariat for preparing Work plan to assess the conditions necessary to achieve the long-term food security and poverty reduction in the Lower Mekong Basin in the context of climate change. July-October 2013.

Current Teaching involvement at School of Sustainability, Arizona State University:

SOS 494/591: Society and Natural Resources (3 credits), January semester 2015

SOS 591: Climate Change, Social Ecological System and Agricultural Adaptation in Asia, January semester, 2015.

Teaching Involvement at AIT:

1. ED 60.02: **Environmental Economics** – 3 credits co-teaching with Prof Amin. Number of students: 10 (Spring semesters 2005, 2006).
2. ED 76.11 (12.21): **Natural Resource Economics** – 3 Credits: Natural Resource Management Field of Study—May Term and January semester, 1999 to-date. Average number of students

20.

3. ED 05.22: **Farm Management Economics** – 3 Credits: Agricultural Systems Field of Study—January Term and August Semester, 1999 -2006.
4. ED 05.32: **Agriculture Sector and Policy Analysis** – 3 Credits: Agricultural Systems Field of Study –September Term, 1998, 1999, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013.
5. ED80.06: **Trade Policies in Agribusiness Management** – 3 Credits: Agricultural Systems and Engineering Field of Study. ABM AoS. January semester 2008, 2009, 2011, 2012, 2013.
6. ED77.07: **Policy and Socio-economic Issues in Integrated Watershed Management and Development Planning** – 3 Credits: Interdisciplinary course (with Gopal Thapa, August semester) 1999 to 2004.
7. ED76.9001: **Society and Natural Resource Management**. 3 credits (August Semester 2004- to 2013).
8. ED76.9002: International Forestry Resources and Institutions (IFRI): 3 credits (Inter semester Summer 2007, 2009 and 2011).

Courses taught at Andalas University under AIT/ Andalas University Joint Activity in Post-graduate program in Integrated Natural Resource Management funded by Ford Foundation

Course number and title	Year	Term	Total number of students
NRM514: Economic Principles of Natural Resource Management	2004	September*	7
	2005	September*	8
	2006	September*	5
NRM612: Integrated Natural Resources Planning and Policy	2005	January**	7
	2006	June**	8

* Modular course teaching for two weeks December 16-31, 2004, December 5-15, 2005 and Nov 26-Dec 06, 2006.

** Modular course teaching for two weeks June 4-11, 2005 and June 10-19, 2006.

Masters/Ph.D. Student Theses Supervision (at AIT):

Chair of Doctoral Guidance Committee: **28** graduated and **12** ongoing

Co-chair of Doctoral Guidance Committee: **3** graduated

Chair person of Masters Theses committee: **81** graduated

Member of Masters Guidance Committee: **70** graduated

Member of Doctoral Guidance Committee: **16** graduated and **18** ongoing.

Guidance Committee Chair for completed Doctoral Dissertation Research (28)

1. Suyanto, Agus. 2000. **“Potential of Entomopathogenic Nematodes for Controlling Lepidopterous Crucifer Peat Complex in Indonesia.”** D.Tech.Sc.Dissertation. (Graduated in August 2000). External Examiner: Professor Tan Keng Hong.
2. Thapa, Surendra. 2001. **“Changing Context and Farming Systems Adjustment in the Mountain Watershed of Nepal: Policy and Planning Implications”** D.Tech. Sc. dissertation, AIT. (Graduated in April 2001). External Examiner: Professor George H. Axinn.
3. Somboonsuke, Buncha.2002. **“Farming System Adjustment of Small-Holding Rubber-Based Farms in Thailand.”** D.Tech.Sc Agricultural Systems FoS. External Examiner—

Professor Richard Bernsten.

4. Gautam, Ambika. 2002. **Forest Land Use Dynamics and Community-based Institutions in a Mountain Watershed in Nepal: Implications for Forest Governance and Management.** IWDM/NRM Doctoral Program. External Examiner; Professor Elinor Ostrom.
5. Majumder, Jiban R. 2002. **“Impact of State Intervention on Innovative Performance of Agriculture: A Crop Diversification Program in Bangladesh.”** Agricultural Systems Doctoral Program. External examiner: Professor Murari Suvedi.
6. Dendi, Astia. 2003. **“Interventions and Development Strategy for Sustainable Transformation of Upland Agricultural Systems in West Sumatra, Indonesia.”** IWDM/AS Doctoral Program (External examiner: Professor Murari Suvedi.
7. Shrestha, S.G. 2004. **“Irrigation System Performance Indicators in Relation to Farm Livelihoods in Chitwan, Nepal.”** Agricultural Systems Doctoral Program . External Examiner: Dr. Ganesh P. Rauniyar, Massey University, New Zealand.
8. Kijtewachakul, N. 2004. **“Institutional arrangement for Community-based Upland Natural Resource Management: A Case Study of Sopsai Sub-Watershed, Nan Province, Northern Thailand.”** IWDM/AS Doctoral Program. External examiner: Professor Don Messerschmidt.
9. Anuchiracheeva, Supaporn. 2004 **“Right-based Coastal Fisheries Co-Management in Thailand.”** Integrated Tropical Coastal Zone Management Interdisciplinary Doctoral Program. External Examiner: Professor Kenneth Ruddle.
10. Ms. Tatsanne Muangkaew. 2006. **“Evolution of Rice-based farming System in Central Plains of Thailand.”** AS FoS. External Examiner: Professor Richard Bernsten.
11. Ms. Sharon B. Singzon. 2006. **“Crop-Livestock Integration: Determinants of Limitations and Suitability in Lamphra Phloeng Watershed, Thailand.”** AS/IWDM FoS. External Examiner: Professor George H. Axinn.
12. Md. Arif Chowdhury. 2006. **“The sustainability assessment of shrimp farming: a case study on present culture systems in Bangladesh.”** ITCZM specialization. External examiner: Professor Klaus Seeland.
13. Yonariza. 2007. **“Protected areas and local livelihood: A study of people-forest interaction in Barisan I Nature Reserve in West Sumatra, Indonesia”.** (Ford Grant recipient under Andalas-AIT cooperation in assisting Andalas to start Masters program and capacity building in NRM) NRM FoS. External examiner: Professor Franz Benda-Beckmann.
14. Marku T. Lasut. 2007. **“Waste Water Management in the City of Manado, North Sulawesi, Indonesia.”** External examiner: Dr. Hans Ake Granmo.
15. Ms. Malasri Khumsri. 2008. **Co-management Institutions for Sustainable Fisheries Management: A Case study of the Lower Songkhram River Basin, Thailand.** External Examiner: Professor Kenneth Ruddle.
16. Mahdi. 2008. **Local Response to Changing Contexts of Natural resources Management: Case Study at Lembang Sub-watershed of West Sumatra, Indonesia.** External examiner: Professor Gerhardus Schultink.
17. Ms. Juthathip Chalermphol. 2009. **“Knowledge, Practices and Perceptions of Pesticide Usage Among Small Tangerine Growers in Chiang Mai Province, Northern Thailand.”**

External Examiner: Professor Murari Suvedi.

18. Yuga N. Ghimire 2009: **Combating Poverty in the Hills of Nepal: Implications for Agricultural Research Policy**” Agricultural Systems, Nepal.
19. Birendra K. Karna. 2010. **Resilience of community forestry under conditions of armed conflict in Nepal.** Natural Resources Management. External Examiner: Nobel Laureate Professor **Elinor Ostrom.**
20. Mr. Ram Chandra Bastakoti. 2010. **“Institutional Robustness and Dynamics of Irrigation Systems in Nepal and Thailand .”** (Recipient of the Government of Hong Kong Graduate assistantship under joint collaboration of Univ of Hong Kong and AIT). NRM FoS.
21. Tran Nam Thang: 2011. **“Payment for Environmental Services as Enabling Conditions for Sustainable Community Forestry Management in Thua Thien Hue Province, Vietnam.”** Natural Resources Management, Vietnam.
22. Mrs. Onanong Khunritmontree, 2011 **“Production and Marketing Constraints of Rubber-based Farming System in Southern Thailand.”** Agricultural Systems, Thailand.
23. Zhu Ting. 2011. **“ Performance analysis of Co-management of Gansu Provincial National Park in China”** Natural Resources Management.
24. Chen Huyen. 2011. **“Analysis of Livelihood Sustainability of the People Living in and around Gansu Provincial National Park in China”** Natural Resources Management
25. Md Asif Kamran. 2012. **“ Institutional Arrangement for Managing Sprate (Flood) Irrigation in Punjab, Pakistan.”** Natural Resources Management.
26. Ms. Arpaphan Pattanapant.2013. **Prospects of Organic Farming in Northern Thailand: Analysis from Institutional and Organizational Support and Services Perspectives**
27. Mr. Eris Achayar: 2014. **“Environmental Impacts of Forest Fire Protection in West Sumatra, Indonesia.”** NRM FoS.
28. Raza Ullah. 2014. **“Production Risk Management and Its Impacts at Farm Level: The Case of Pakistan.”** Agricultural Systems and Engineering.

Guidance Committee Chair for the Ongoing Doctoral Dissertation Research (12):

29. Krishna P. Timsina. **“Value Chain Analysis of Vegetable Seed in Nepal.”** Agribusiness Management FoS.
30. Mrs. Sukunya Tukaew: **“Good Agricultural Practices and Market Chain Analysis of Asparagus in Thailand.”** Agricultural Systems, Thailand.
31. Hathaitep Kiratiunkul **Risk management of agro-fuel farmers under sustainable livelihood approach .** Agribusiness Management.
32. Pratta Promme **Economic Analysis of Sustainable Latex Production in Southern Thailand** Agribusiness Management
33. Thitiya Panichvejsunti. **“The effect of land tenure system on farmers’ livelihood management: Policy Analysis in Thailand.”** Agribusiness Management
34. Jedsadapron Sethapatyanon. **“Analysis of Market Linkage through Agricultural Cooperative Vertical Coordination in Thailand: Benefit, Risk and Managemnt.”** Agribusiness Management.
35. Ravivan Suwansin. **“An evaluation on effective forms of loaning process of revolving**

- fund for lending to poor farmers.”** Agribusiness Management.
36. Soma Mallik. **“Value chain analysis of vegetable seeds in Bangladesh.”** Agricultural Systems and Engineering.
 37. Shariful Alam. **“Political economy of polder management and its impact on the livelihoods of the coastal communities in SW Bangladesh and their adaptation strategy under changing climate context”** Natural Resources Management.
 38. Qian Cheng. **“Impact of eco-tourism on local livelihood and national park management in Huangsan, China.”** Natural Resources Management.
 39. Arif Surahman. **“Agricultural Policy Analysis and its impact on livelihood on rural Indonesia in the context of climate change.”** Agricultural Systems and Engineering.
 40. Xia Huang. **“An evaluation of community-based water resource management in Southern Karst, China.”** Natural Resources Management.

Recent Masters theses supervised related to Climate Change in Vietnam

Ly, Pham Thi. 2012. Analyzing the impacts of climate change on farmers’ livelihood in the Central Vietnam: Case study in Nui Thanh District, Quang Nam Province.

Ha, Hoang Dung. 2012. Community based fishery resource management in the context of climate change: Case study in Tam Giang – Cau Hai Lagoon, Thua Thien Hue Province, Vietnam.

External Examiner for Masters and Doctoral Dissertation

1. Khanal, Puspa Raj. 2003. “Engineering Participation: The Process and Outcomes of Irrigation Management Transfer in the Terai of Nepal.” Wageningen University, The Netherlands. Promoter: Professor Linden F. Vincent. April 2003. Doctoral Dissertation.
2. Patcharasorn Karatna. 2005. “Analysis of a Common Pool Resource: A Case Study of the Canal System in Nonthaburi Province, Thailand.” University of South Australia. Masters Research Thesis.
3. Maraseni, Tek N. 2007. “Re-evaluating land use choices to incorporate carbon values: A case study in the South Burnett region of Queensland, Australia.” Doctoral dissertation, University of Southern Queensland, Australia.
4. P. Sivakumar. 2009. “Migration and Remittances of Agricultural Labours in Post-Liberalisation Period in Tamilnadu, India.” Doctoral Dissertation. Annamalai University, Tamilnadu, India.

Editorial or Review Services for journals and international conferences:

- Member: Editorial Board of Journal of Institute of Agriculture and Animal Science, Rampur, Nepal 1995-todate.
- Member: Research Articles and Book Reviewer for Asian Studies Review Journal, Australia, Environmental Management, USA, Journal of Environmental Management, USA, Water International Journal, USA, Ecology and Society, USA, Journal of Forestry

- Research, Japan and Mountain Research and Development Journal, Switzerland. Society and Natural Resources, USA; *Environment and History* Journal and World Development.
- Reviewer for International conferences and Bi-annual meeting paper submissions: International Water Resource Association (IWRA), International Water Association (IWA), International Water Management Institute (IWMI), International Association for the Study of Commons (IASC).

Recently completed and ongoing research grants and sponsored projects:

- i) Ford Foundation Grant on Organizing an international workshop on **Planning long term research on Asian Irrigation Systems and Institutions in Transition: Sustainability Implications** and synthesizing a book volume on the theme Research Grant from Ford Foundation, New Delhi, India. June 01, 2001 – December 2004. US \$ 50,000.00.
- ii) Research Grant from Mac Arthur (sub-contract from Indiana University) for **International Forestry Resources and Institutions’ Research Center for South and South-East Asia** (to support Ph.D. student field expenses, Research Equipment (grant to AIT for additional \$ 1,000) and faculty travel support for field research in Nepal, Bhutan and Thailand (October 2000-December 2002). US \$ 13,200 + 1,000. The outcome of this joint research will be a book edited by Webb, Edward and **Ganesh Shivakoti**. (Forthcoming). *Adaptation and evolution of community based forest management under changing forest policies in Asia*.
- iii) Danida-AIT/IWDM Research Grant of US \$ 8,250 for conducting research on “**Study on the impact of development intervention on livelihood and water resources: perspective of changes in the Galaudu Pokhare watershed, Dhading, Nepal**” by Ganesh Shivakoti and R. Clemente for 18 months period (Jan. 2002 to June, 03).
- iv) MacArthur Grant of US \$ 230,000 to support a research project on “**Development, Land Use Change, and Forest Conservation in Tua Thien Hue Province, Vietnam**”, Edward Webb and Ganesh Shivakoti (Co-investigators) June 2003-December 2006.
- v) Pond Dynamics/Aquaculture Collaborative Research Support Program (PD/CRSP), USAID of US \$ 30,000 to support a research on “**Study on Constraints of Tilapia (*Oreochromis niloticus*) Production in Bangladesh.**” By Ganesh Shivakoti and Amrit Bart June 2003-April 2004.
- vi) Government of Hong Kong Grant to University of Hong Kong of US \$ 110,000 for initiating “**Asian Irrigation Institutions and Systems (AIIS) Dynamics study and Database Management**” Wai Fung Lam and Ganesh Shivakoti (co-investigators) Lam team leader for Taiwan study, Shivakoti team leader for Thailand study; and, Lam and Shivakoti jointly responsible for Nepal study. September 2003-December 2006.
- vii) Ford Foundation Grant to Andalas University; Indonesia of US \$ 180,000 for “Professional enhancement and curriculum development to strengthen its new Master’s degree program in integrated natural resources management and development.” Shivakoti—AIT contact person and Program Coordinator (a sub-

- contract of US \$ 50,000 to AIT for doctoral training program of Andalas faculty and support for AIT faculty to teach graduate level courses at Andalas). August 2003 – December 2006.
- viii) Ford Foundation Grant to AIT (\$ 100,000) and Andalas University (125,000); Indonesia of US \$ 225,000 for **“Collaboration in Integrated Natural Resource Management in Indonesia: Decentralization, Local people and Resources”** Shivakoti—AIT contact person and Program Coordinator (a sub-contract of US \$ 100,000 to AIT for five doctoral training program of Andalas faculty and three best Masters graduates in INRM from Andalas). February 2005 – December 2008.
 - ix) MacArthur Grant of US \$ 326,103.40 on **“Monitoring and conserving forest diversity in Nam Dong district, Thua Thien Hue province, Vietnam”** 2006-2010. Shivakoti-P.I. (since January 2008).
 - x) Ford Foundation, Indonesia Grant to AIT (US \$ 15,000): Networking and Stakeholder participation in planning INRM PG Program at University of Northern Sumatra. April-December 2008. P.I.
 - xi) Ford Foundation, Hanoi Grant to AIT (US \$ 196,000): **“Collaboration in Capacity development of Hanoi Agricultural University and Hue University of Agriculture in initiating Post Graduate Program in INRM”** July 2008-June 2016. P.I.
 - xii) Ford Foundation, Hanoi Grant to AIT (US \$ 360,000): **“Collaboration in Implementation of INRM Graduate Dual Degree of Hanoi Agricultural University and Hue University of Agriculture”** June 2009-June 2016. P.I.
 - xiii) USAID/ Horticulture Collaborative Research Support Program. (in collaboration with UC-Davis, Kent J Bradford, P.I.). US \$ 96,000. **“Seed Systems—Improving Seed Quality for Small Holders.”** (CO-P.I. for Nepal and Thailand) 2011-2014.
 - xiv) National Science Foundation, USA. **“CNH: When Strengths Can Become Weaknesses: Emerging Vulnerabilities in Coupled Natural Human Systems under Globalization and Climate Change”** Collaborative research project of Asian Institute of Technology, Thailand and Arizona State University, USA. US \$ 142,000. PI for Thailand and Nepal October 2011 – September 2015.
 - xv) USAID/RDMA/Bangkok. USD 899,900. **Enhancing Productivity and Market Linkages – Improving the Livelihoods and Food Security of Smallholders in Asia.** Co-Principal Investigator. May 2013-May 2016.
 - xvi) Toyota Foundation/Tokyo. USD 32,000. **Policy Practice Gap in REDD+ Implementation Framework in SE Asia (Indonesia, Thailand and Vietnam).** November, 2013 - October 2014. P.I.

Training courses, seminars, workshops organized

Training Courses organized (18):

- (a) Training Director for the Training Course on **“Sustainable On-Farm and Soil Quality Management.”** June 18-26, 2000 for 8 participants from Ministry of Mahaweli

- Development, Mahaweli Authority of Sri Lanka organized at AIT. US \$ 13,500.00
- (b) Training Director for the training and visit program of 19 Professors and County Extension Directors of Michigan State University, USA on “Agricultural and Rural Development: Approaches and Strategies in Thailand.” November 02-17, 2001. US \$ 13,200.
 - (c) Training Coordinator for the Training Course on “Participatory Irrigation Management: Training cum Observation Tour of Thailand and Malaysia” for 16 senior technicians and Ministry officials from Bangladesh Water Development Board (BWDB). 01-16 February, 2002. (US \$ 36,368.00)
 - (d) Training Coordinator for the Training Course on “Participatory Irrigation Management: Training cum Observation Tour of Thailand and Malaysia” for 16 senior agricultural officers and senior engineers from BWDB. 01-16 March, 2002. (US \$ 36,368.00)
 - (e) Training Coordinator for the “Michigan State University Abroad Program” for 7 participants on Agricultural and Environmental Pollution and Waste Management in Thailand during 05/05/2002 – 21/05/2002. (US \$ 6,000).
 - (f) Training cum Study Tour Coordinator for 8 senior officials of the Forest Department, Government of Sri Lanka on “Integrated Forest Resource Management Planning and Eco-tourism” September 29-October 10, 2002. (US \$ 11,000).
 - (g) Course Coordinator for 7 students from Michigan State University Study Abroad Program in Thailand January 12-April 04, 2003. (US \$ 25,000)
 - (h) Course Coordinator for 11 students from Michigan State University Study Abroad Program in Thailand January 12-April 04, 2004. (US \$ 29,600)
 - (i) Course Coordinator for 6 students from Michigan State University Study Abroad Program in Thailand January 12-April 09, 2005. (US \$ 12,500)
 - (j) Course Coordinator for 15 students from Michigan State University Study Abroad Program in Thailand May 15-June 18, 2005. (US \$ 14,500).
 - (k) Course Coordinator for 10 Masters students of Graduate School of Governance from SungKyunKwan University, South Korea for Training cum Internship on “Asian Governance and Leadership Training and Internship.” April 17-May 08, 2005. (US \$ 21,500) and January 28-February 24, 2006 (US \$ 22,000), Jan-Feb 2007 (US\$32,000), Jan-March 2008 (US \$ 22,000), Jan-March 2009 (US\$20,500).
 - (l) Course Coordinator for 6 students from Michigan State University Study Abroad Program in Thailand January 12-April 09, 2006. (US \$ 16,500), Jan-April 2007 (US\$24,500), Jan- April 2008 (US\$ 22,000), Jan-April 2009 (US\$ 26,500)

Major Workshops/seminars/panels organized (5)

- (a) Coordinator: International Workshop on “From Farmers’ Fields to Data Fields and Back: A Synthesis of Participatory Systems for Irrigation and Other Resources.” The proceedings has been published (Sowerwine, Shivakoti et al. eds. 1994) jointly with IIMI-Colombo and IAAS-Tribhuvan University.
- (b) Coordinator: International Workshop on “People and Participation in Sustainable Development: Understanding the Dynamics of Natural Resources Systems.” At the

Institute of Agriculture and Animal Science, Tribhuvan University in Nepal during 17-21 March, 1996. The proceedings has been published (Shivakoti et al. 1997) jointly with Indiana University's Workshop in Political Theory and Policy Analysis, Tribhuvan University IAAS, FAO-FARM, and Winrock International.

- (c) Coordinator: International Workshop on Integrated Watershed Development and Management Planning at AIT, (August 7-8, 2000) There were a total of 40 participants from 8 countries and various regional and international organizations: The proceedings of the conference is published by AIT as a peer-reviewed book edited by Thapa, Shivakoti et al. 2001 June published).
- (d) Panel Coordinator: "Asian Irrigation Systems in Transition" at the Biannual meeting of the International Association for the Study of Common Property held at Indiana University, Bloomington, USA May 30 – June 4, 2000.
- (e) Coordinator for the Workshop on "Asian Irrigation in Transition-Responding to Challenges" held at AIT, Bangkok 22-23 April, 2002. Papers from the workshop have been edited, volume introduced and synthesized and published jointly by Sage-India jointly with AIT/IWMI/Workshop-Indiana University during 2005.