

CURRICULUM VITAE

PERSONAL

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(Former office) Nepal Academy of Science & Technology (NAST),
Date of Birth 1 February 1950
Place of Birth Bhote Bahal, Kathmandu, Nepal



ACADEMIC BACKGROUND

St. Xavier's School, Kathmandu: Senior Cambridge (O- level) - 1966
Amrit Science College, Kathmandu: Intermediate of Science (I.Sc.) - 1970
Moscow Institute of Chemical Technology (Mendeleev Institute), former USSR now Russia:
M.E. in Plastic Technology - 1978
Ph.D. in Polymer Synthesis & Process Engineering - 1982

Trainings/fellowships

1. Advanced Course on Investigation of Basic Stability of Polycarbonates from Orthosubstituted Bisphenols, Moscow 1983 (6 months)
2. Training Course on Planning Science & Technology organized by UN ESCAP and USSR Government, Moscow, September - October 1987 (1 month)
3. JICA Counterpart Training in Chemical Aspects of Biocoal, Hokkaido Industrial Research Institute (HIRI), Sapporo, Japan, January- March 1993 (2 months)
4. Research Fellowship, Asian Institute of Technology (AIT) under the SIDA funded project on Biomass Briquetting Project, AIT, Bangkok, June 2001 (1 month)
5. Research Fellowship, Japan Society for the Promotion of Science (JSPS), Toyohashi University of Technology, Japan, March 2002-January 2003 (10 months research on biomass and briquettes)
6. Study visit/training on Biobriquetting, Hokkaido Industrial Research Institute (HIRI), Sapporo and many Biobriquetting facilities in Japan, Oct-Nov 2010 (one month)

WORK EXPERIENCE

- Research Associate in Department of Chemical Technology of Plastics in Mendeleev Institute, Moscow: August 1982-June 1983
- Research Associate in Consultancy firm "Polymers" in Nepal - August 1983 - April 1984
- Started as Program Officer in the (Royal) Nepal Academy of Science and Technology (RONAST) since April 1984 and worked in different capacities till February 2010.
 - Senior Program Officer Nov 1987-July 1988
 - Project Secretary: UNCSTD Project on Endogenous Capacity Building in S&T for Development in Nepal, 1988-1990
 - Senior Scientific Officer (Research Department, (RO)NAST): Sept 1990-Dec 1991
 - Chief, Planning, Monitoring & Evaluation Division, (RO)NAST: Dec 1991-July 1993

- Biomass Counterpart in JICA-RONAST Joint Research Project on National Research & Development Center for Alternate Energy (NRDC for AE) : July 1993 - Sept 1995
- Chief Technical Officer & Division Chief, S&T Promotion & Publicity Division of (RO)NAST: September 1995 – August 1999
- Chief Technical Officer, Technology Faculty, (RO)NAST, Senior Researcher in SIDA/AIT Biomass Briquetting Project since August 1999- October 2004
- Chief of Technology Faculty, (RO)NAST, October 2004 - April 2005, Jan 2007- 2008,
- Chief of Biomass/briquetting laboratory, Faculty of Technology - 2008 – Feb 2010
 - Project Coordinator on Biobriquetting project in collaboration with Min of S&T, Govt of Nepal since 2006.
 - Conducted numerous trainings on Biobriquetting (in half dozen villages- Bode, Matatirtha, Champi, Gamcha, Mahadevsthan) to rural population of Nepal on Biomass/waste biomass utilization, different stoves and briquetting techniques.
 - Conducted Lecture/training for AE teachers of TCT, Rwanda in CES on Biomass and Biobriquetting, June July 2008
 - Conducted Training on Biomass and briquetting in NAST to engineers from Tumba College of Technology, Rwanda, Nov-Dec 2009
 - Conducted Refreshers' Training to rural communities on Beehive briquetting in NAST, 18-20 Jan 2010
- JICA Consultant/Biomass and Briquetting Expert in Project “Strengthening the Capacity of Tumba College of Technology in Republic of Rwanda” from 1 Oct to 9 Nov 2009
- Currently – Vice Chairman, Center for Energy and Environment, Nepal and engaged in Project “Technical cooperation in dissemination of alternative energy fuel (Biobriquettes) for firewood and kerosene 2009-2011” with support from JICA
- JICA Consultant/Biomass and Briquetting Expert in Project “Strengthening the Capacity of Tumba College of Technology in Republic of Rwanda” from July 24 to 02 September 2010
- Resource person, Refreshers' Training in Mahadevesthan, Thankot on beehive briquetting, 31 December 2010 to 01 January 2011
- Senior Advisor to The RENP PID-172 project “Production of biomass briquetted fuel based on agro- forestry wastes as substitute for fuel wood in domestic and industrial sector of Nepal” September 2010 to October 2013.

SUPERVISION OF STUDENTS THESIS (COMPLETED)

Masters level

1. Ravi Shakya, Comparative study of AIT model institutional gasifier stove with other cooking stoves and its prospects with clean development mechanism (CDM), 2009, Masters in Mechanical Engineering, Dept of Mechanical Engineering, Kathmandu University, Dhulikhel.
2. Bidhya Neupani, Status of Beehive Briquette as an Alternative Energy Source: Prospects and Challenges, 2010, M. Sc. Environmental Science Degree, Central Department of Environmental, Science Tribhuvan University, Kirtipur, Kathmandu
3. Mridaney Sharma Poudel, Utilization of Mikania Macrntha as raw material for Biobriquetting, 2010, M.Sc. Environmental Science Degree, College of Applied Sciences (CAS), affiliated with TU, Kirtipur, Kathmandu

Bachelor level

1. Anusha Airi, Possibility of production of Fuel briquettes from Municipal solid waste (PET bottles), 2009, Bachelor of Technology in Environmental Engineering & Science, School of Science, Kathmandu University

2. 7 students – Construction, Improvement and testing of Top lit updraft gasifier stove, 2009, Bachelor of Industrial Engineering, Thapathali campus, IOE, TU
3. Two students – Evaluation of performance and emission characteristics of AIT model Biomass Gasifier, 2009, Bachelor of Environmental Engineering, Dept of Env Sci and Engineering, School of Science, Kathmandu University
4. Four students - Comparison of performance evaluation of Different commercially available beehive briquette stoves, 2008, Bachelor of Agricultural Engineering, IOE, Purbanchal Campus, Dharan
5. Three students - Study, fabrication and performance evaluation of Institutional Gasifier stoves, 2006, Bachelor of Engineering, Dept of Mechanical Engineering, IOE, TU.