

CURRICULUM-VITAE

- 1. NAME** Dr. Kuldip Gosai
- 2. BORN** 12th December' 1978
- 3. ADDRESS** Assistant Professor, Department of Environmental Science, Iswar Chandra Vidyasagar College, Belonia, South Tripura district, Tripura, +91-9436413267 (cell); kuldipgosai@gmail.com
- 4. NATIONALITY** Indian
- 5. SEX, MARITAL STATUS** Male, Married

6. EDUCATIONAL QUALIFICATIONS	Degree	University	Year of Passing	CGPA/ Marks (%)	Subjects
	Master of Technology (M.Tech.)	Andhra University, Visakhapatnam (IIRS-ISRO Dehradun)	2015	8.42/10	Remote Sensing & GIS (Specialization in Forest Resources & Ecosystem Analysis)
	Post Graduate Diploma (PG Diploma)	Indian Institute of Remote Sensing, Dehradun	2009	Grade A (60-75%)	Remote Sensing & GIS (Specialization in Forestry and Ecology)
	Doctor of Philosophy (Ph.D)	Assam University, Silchar	2009	-	Ecology and Environmental Science
	Bachelor of Education (B.Ed.)	Assam University, Silchar	2005	67%	Education
	Master of Science (M.Sc.)	Assam University, Silchar	2004	67 %	Ecology and Environmental Science
	Master in Business Administration (MBA)	IGNOU, New Delhi	2017	Grade C (58%)	Business Administration (Specialization in Human Resource Management)

7. TOPIC OF M.TECH. RESEARCH WORK

- ❖ Assessment of seasonal variation in canopy structure and greenness in tropical wet evergreen forests of north east India.

8. TOPIC OF Ph.D. RESEARCH WORK

- ❖ Studies on the dynamics of soil microbial biomass and nitrogen mineralization associated with tillage practices in rainfed agricultural systems.

9. TOPIC OF PG DIPLOMA RESEARCH WORK

- ❖ Woody Biomass Assessment in Yachuli Circle, Lower Subansiri, Arunachal Pradesh using Remote Sensing, GIS and Spectral Modeling.

10. PROFESSIONAL QUALIFICATIONS

- ❖ **Master of Technology in Remote Sensing and GIS** with Specialization in Forest Resources and Ecosystem Analysis from Indian Institute of Remote Sensing, Dehradun, India (ISRO, Department of Space, Government of India) affiliated to Andhra University, Visakhapatnam, India
- ❖ **Master in Business Administration** with Specialization in Human Resource Management from IGNOU, New Delhi.
- ❖ **Post Graduate Diploma in Remote Sensing and GIS** with Specialization in Forestry and Ecology from Indian Institute of Remote Sensing, Dehradun, India (ISRO, Department of Space, Government of India).
- ❖ **Pre Commission Cadet Course (PRCN)** with 70.10% from NCC Officers' Training Academy, Kamptee, Maharashtra, India.
- ❖ **Project Manager Accredited Certification** as Project Manager from IO4PM™

11. POSITIONS HELD/EXPERIENCE (Total experience - years)

Employer	Position Held	Period of Service	Nature of Duties
Registrar, North-Eastern Regional Institute of Science and Technology (NERIST), Nirjuli, Arunachal Pradesh, India	Project Fellow	02 yrs (August 2005- July 2007)	Identification of mechanization gaps and popularization of agricultural and horticultural implements for rural development of Arunachal Pradesh
-do-	Research Fellow	02 yrs (August 2007- February 2009)	Carbon budget assessment in the terrestrial ecosystems of Arunachal Pradesh
Director, WWF-India	Senior Programme Officer	May'2010- December'2010	Forest resources inventory, monitoring, ecosystem analysis, wildlife habitat modelling.
Governor of Tripura	Assistant Professor	January'2011 onwards	Teaching and Research

12. EXPERIENCE IN

- ❖ Remote sensing/GIS applications in natural resources assessment/monitoring.
- ❖ Ecological monitoring of vegetation using LiDAR technology.
- ❖ Ecosystems analysis and environmental conservation.
- ❖ Forest resources inventory, monitoring and management.
- ❖ Wildlife habitat evaluation and management.
- ❖ Environmental applications of remote sensing.
- ❖ Sustainable development planning of land and water resources.
- ❖ Project planning, co-ordination, task execution and monitoring.
- ❖ User interaction, technology transfer and training/education.
- ❖ Biodiversity characterization at landscape level using remote sensing and GIS.
- ❖ Eco-sensitive zone planning using remote sensing and GIS.
- ❖ Programming languages such as SQL, JavaScript, C++, PHP, IDL, R and Python
- ❖ Cloud computing and large data processing.
- ❖ Having referred publications in the field of agriculture, ethnobotany and cash crop (tea)

13. RESPONSIBILITIES

- ❖ Forest resources inventory, monitoring.
- ❖ Ecological impact assessment.
- ❖ Wildlife habitat modelling, evaluation and management.
- ❖ Sustainable land and water resources development and management.

14. TECHNICAL EXPERTISE

- ❖ Handling scientific instruments like N analyser (KEL Plus), UV-VIS spectrometer, Flame Photometer, Calorimeter, Gas Chromatograph, Autoclave.
- ❖ Knowledge of Web-GIS, Geospatial Data Analysis, Google Maps API, GeoServer, R, Python, Java
- ❖ Familiarity with ERDAS IMAGINE, ArcGIS, ENVI, ArcView software.
- ❖ Knowledge of Satellite Image processing, Remote Sensing Data Analysis, GeoVisualization.
- ❖ Efficiency in Statistical Analysis.

15. MEMBERS OF PROFESSIONAL BODIES/ORGANIZATIONS

- ❖ Life Member, Indian Society of Remote Sensing
- ❖ Life Member, Indian Science Congress

16. RESEARCH PROJECTS COMPLETED/ONGOING

Project Title	Funding Agency	Grant Sanctioned	Duration		Project Status
			From	To	
Vegetation Mapping, Identification of Potential Regeneration Sites and Assessment of Forest Resource base in Dhalai district of Tripura using Remote Sensing & GIS	UGC-NERO	3,98000	2016	2018	Completed
Impact Assessment of Tribal Welfare Department sponsored Madhyamik Dropout Coaching as well as other NGOs run Madhyamik Dropout coaching in Reducing the Dropout Rate in Madhyamik Examination in Tripura	Tribal Research and Cultural Institute, Tripura	3,00000	2019	2020	Ongoing

17. Publications

17.1 Research Publications (International Referred Journals)

Sl. No	Title with Page Numbers	Journal	ISSN/ ISBN No.	Citation Index**	Whether peer reviewed. Impact factor, if any
1	Fungal diversity of twelve major vegetational zones of Arunachal Himalaya, India. Year: 2015, Vol 5(2): 101-111 pp.	Current Research in Environmental & Applied Mycology	2229-2225	07	Yes Impact Factor:0.46
2	Tillage effects on soil microbial biomass in a rainfed agricultural system of northeast India. Year : 2010, Vol. 109(2): 68-74 pp.	Soil & Tillage Research (Elsevier)	0167-1987	21	Yes Impact Factor:4.67
3	Influence of conservation tillage on soil physicochemical properties in a tropical rainfed agricultural system of northeast India. Year : 2009 Vol. 105(1): 63-71 pp.	Soil & Tillage Research (Elsevier)	0167-1987	33	Yes Impact Factor:4.67
4	Traditional use of medicinal plants by the Jaintia tribes in North Cachar Hills district of Assam, northeast India. Year: 2006 Vol 2(33):1-7 pp.	Journal of Ethnobiology and Ethnomedicine (BioMed Central)	1746-4269	186	Yes Impact Factor:1.48

17.2 Research Publications (National Referred Journals)

Sl. No	Title with Page Numbers	Journal	ISSN/ ISBN No.	Citation Index**	Whether peer reviewed. Impact factor, if any
1	Farm Diversification Practices-A Case Study of Monpa Tribes in Arunachal Pradesh, India. Year: 2014, Vol.V(1):103-107 pp.	International Journal on Agricultural Sciences	ISSN0976-450X	-	Yes Impact Factor:2.30
2	Indigenous knowledge of soil fertility management in the humid tropics of Arunachal Pradesh. Year: 2011, Vol. 10(3): 508-511 pp	Indian Journal of Traditional Knowledge	ISSN0975-1068	10	Yes Impact Factor:0.92
3	Ethnobotanical investigations among the Lushai tribes in North Cachar Hills district of Assam, Northeast India. Year 2010, Vol. 9(1): 108-113 pp.	Indian Journal of Traditional Knowledge	ISSN0975-1068	25	Yes Impact Factor:0.92

<https://scholar.google.com/citations?user=pKm6xKsAAAAJ&hl=en>** Source: Downloaded on 27.11.2019

17.3 Research Publications (Full Papers in Conference Proceedings)

Sl. No	Title with page numbers	Details of Conference Publication	ISSN/ ISBN No	Number of Co-authors	Whether you are the main author
1	Study on the dynamics of microbial diversity associated with organic amendments on the tea soil of Barak Valley, Year: 2008, 219-224 pp.	Proceedings of National Seminar on Biodiversity Conservation: The Post-Rio Scenario in India, Assam University, Silchar	-	01	Yes

17.4 Research Publications (Books Edited and Compiled)

Sl. No	Book Title	Editor and Publisher	ISSN/ ISBN No	Peer reviewed
1	Environmental Issues and Sustainable Development, Year 2019	Arjun Gope, Abhijit Sarkar, Prasamita Sarkar, Santanu Majumder and Kuldip Gosai	ISBN 978-1-64546-563-8	Yes
2	Right to Development: Issues and Challenges in Northeast India. Year 2014	Aparna De and Kuldip Gosai , Akansha Publishing House, New Delhi	ISBN 978-81-8370-399-4	Yes
3	Seminar on Forest Conservation in Arunachal Pradesh, Abstract Volume. Year 2008	K.Gosai and A. Arunachalam Sponsored by ICFRE, Dehradun	-	Yes
4	Regional Seminar on Traditional Knowledge Systems and Community Development in North East India, Abstract Volume, Year 2007	K.Gosai and A. Arunachalam, Sponsored by North-Eastern Council, Shillong.	-	Yes
5	Regional Seminar on Traditional Knowledge Systems and Community Development in North East India, Proceedings, Year 2007	K.Gosai and A. Arunachalam Sponsored by North-Eastern Council, Shillong.	-	Yes

17.5 Research Publications (Articles/ Chapters in Books)

Sl. No	Title with page numbers	Book title, editor and publisher	ISSN/ ISBN No	Peer reviewed
1	Indigenous Agricultural Management Practices of the Monpas in Arunachal Pradesh: Ethos and Issues Year: 2011, 184-197pp.	Identity Issues in Northeast India Edited By: Ruma Bhattacharya, Akansha Publishers, New Delhi	ISBN 978-81-8370-294-2	Yes
2	Indigenous Agricultural Management Practices of Northeast India: A Case Study of Hill Farming in the West Kameng District of Arunachal Pradesh. Year: 2010a, 247-260 pp.	Natural Resources Management in Northeast India (Linking Ecology, Economics and Ethics), Edited By: A.Arunachalam and K.Arunachalam, DVS Publishers, Guwahati, India	ISBN 978-81-86307-30-4	Yes
3	Study on the Weed Flora in Different Agricultural Systems of Tropical Humid Regions in Arunachal Pradesh Year: 2010b, 261-279 pp.	Natural Resources Management in Northeast India (Linking Ecology, Economics and Ethics), Edited By: Arunachalam and Arunachalam, DVS Publishers, Guwahati, India	ISBN 978-81-86307-30-4	Yes
4	Linking Indigenous Knowledge with Soil Properties in the Humid Tropics of Arunachal Pradesh, Year: 2010c, 280-288 pp.	Natural Resources Management in Northeast India (Linking Ecology, Economics and Ethics), Edited By: Arunachalam and Arunachalam, DVS Publishers, Guwahati, India	ISBN 978-81-86307-30-4	Yes

18. Presentation in Seminar/Symposium/Workshops/Conferences

Gosai, K., and Dutta, B.K. 2005. Effect of organic amendments on tea soil microflora and their activity. Paper presented at the National Conference on Current Trends of Research in Science & technology held at Gauhati University, Guwahati during 28-29, January, 2005.

Gosai, K., Arunachalam, A. and G.V. Prasanna Kumar. 2006. Direct seeding and reduced tillage operations in mixed cropping systems of north east India: A case study on the West Kameng district of Arunachal Pradesh. Paper presented at the National Conference on Forest Biodiversity Resources: Exploitation, Conservation and Management held at Madurai Kamaraj University, Madurai during 21-22, March, 2006.

- Gosai, K., Arunachalam, A. and G.V. Prasanna Kumar and Dutta, B.K. 2006. Study on the weed flora of paddy fields in different agricultural systems of Papum Pare district in Arunachal Pradesh, Northeast India. Paper presented at the National Seminar on Biodiversity Conservation: The Post-Rio Scenario in India held at Assam University, Silchar during 19-21, April, 2006.
- Gosai, K., and Dutta, B.K. 2006. Study on the dynamics of microbial diversity associated with organic amendments on the tea soil of Barak Valley. Paper presented at the National Seminar on Biodiversity Conservation: The Post-Rio Scenario in India held at Assam University, Silchar during 19-21, April, 2006.
- Sajem, A.L., and Gosai, K., 2006. Diversity of medicinal plants in North Cachar Hills district of Assam: A Case Study with the Jaintia Community. Paper presented at the National Seminar on Biodiversity Conservation: The Post-Rio Scenario in India held at Assam University, Silchar during 19-21, April, 2006.
- Gosai, K., Arunachalam, A. and Dutta, B.K. 2009. Can Technological Intervention through Tillage be Feasible to Sustainable Agriculture in the Rainfed Agricultural Systems of Northeast India? Paper presented at the 96th Indian Science Congress, Shillong Chapter, January 3-7' 2009.
- Adhikari, D., Gosai, K. and Barik, S.K. 2009. Effect of predicted climate change on distributional range of 10 citrus species in northeast India. Paper presented at Assam University Silchar, March 11-13'2009.
- Gosai, K. 2011. Need for Cost Effective Environment Friendly (CEEF) Development Strategy for Economic Upliftment of Tripura. Paper presented at the State Level Seminar on Right to Development: Issues and Challenges in North East India held at Kabi Nazrul Mahavidyalaya, Sonamura during 20-21 September' 2011.
- Gosai, K., Kushwaha, S.P.S., Nandy, S. 2014. Woody Biomass Assessment in Lower Subansiri, Arunachal Pradesh using Field Inventory, Remote Sensing and Biophysical Spectral Modelling. Paper presented at Tropical Ecology Congress 2014, Jawaharlal Nehru University, New Delhi, 10-12 December'2014.
- Gosai, K. 2017. Climate Change Induced Forest Invasive Species (FIS) Distribution Models in India: A Holistic Approach. Paper presented at One Day National Seminar on Scientific, Socio-economic, Political and Ethical perspectives of Climate Change, organized by Bir Bikram Memorial College, Agartala on 19th February'2017.
- Chakrabarti, S., Malakar, J., Gosai, K., Saha, U., Yadav, S.K. 2017. Eutrophication -A Global Aquatic Environmental Problem with Reference to Climate Change Factors. Poster Presentation at UGC sponsored National Seminar on Recent Trends in Biodiversity Conservation and Bioresource Utilization organized by Department of Botany, Women's College, Agartala during 08-09th September'2017.
- Gosai, K., Debnath, P., Tripura, D., Das, A., Majumder, S. Biswas, T., Debnath, T. 2018. Folk Taxonomy and Intercultural Comparison of Plant use Knowledge in Four Culturally Distinct Tribes of Tripura. Paper presented at Two days National Seminar on Folk Culture and Contemporary Society of Tripura, organized by MAKAIAS, Kolkata and Govt. Degree College, Santirbazar, Tripura during 10-11th October'2018.
- Gosai, K., Debnath, P., Chakraborty, P. 2018. Influence of brick kiln industries on the soil properties of traditional foothill agroecosystem in Tripura, India. Paper presented at National Seminar on Environmental Issues and Sustainable Development organized by Iswar Chandra Vidyasagar College, Belonia, Tripura and ONGC, Palatana, Tripura during 19th- 20th November'2018.

19. Participation in Orientation/Refresher/Faculty Development Courses

- Four-week Orientation Course organized during 04th-28th March 2013 at Academic Staff College, Jawaharlal Nehru University, New Delhi.
- Two-week AICTE Sponsored Faculty Development Programme on Topics on Data Mining from 10th-21st June'2013 organized by Tripura Institute of Technology, Narsingarh, Tripura.
- Participated in Three Days Faculty Development Program on Technical Writing using LATEX from 28th - 30th July' 2016 at Tripura Institute of Technology, Narsingarh, Tripura.
- SWAYAM ARPIT Online Course for Career Advancement Scheme (CAS) promotion on Environmental Education in Teachers Training Institutes held on 30th June'2019 offered by Aligarh Muslim University.

Two-week Refresher Course on Rural Development, New Media and Social Change for the Faculty of Universities/Colleges/Institutes from 01st to 14th July 2019 organized by Faculty Development Centre, Tripura University.

20. Participation in Seminar/Symposium/Workshops/Conferences

Training the Environment Trainers Programme at Assam University Silchar during 3rd to 7th April 2004 sponsored by the Quality Council of India and Quality Education and Training Society, New Delhi.

National Conference on Current Trends of Research in Science & Technology held at Gauhati University, Guwahati during 28-29 January 2005 sponsored by Assam Science Society

National Conference on Arunachal Pradesh: Tradition in Transition Linking Ecology, Economics and Ethics held at NERIST, Nirjuli, Arunachal Pradesh during 13-16 September 2005 sponsored by UNESCO New Delhi, JNU New Delhi and others.

Training Programme for Conservation Biologists as part of Manas Centenary Celebrations at Manas National Park Assam during 23-27 February 2006 organized by British Council, British High Commission, Association of British Scholars and others

Workshop on Research Methodology held at NERIST, Nirjuli, Arunachal Pradesh during 20-24 March 2006 sponsored by ICSSR-NERC, Shillong.

National Seminar on Biodiversity Conservation: The Post-Rio Scenario in India held at Assam University, Silchar during 19-21 April 2006 sponsored by MOEF, GOI & DST, New Delhi.

National Workshop on Agriculturally Important Microorganisms of N.E. Region for Integrated Nutrient and Pest Management held at IAST, Guwahati during 9-14 October 2006 sponsored by DBT, DST New Delhi and others.

Workshop on Software-aided Statistical Data Analysis held at NERIST, Nirjuli, Arunachal Pradesh during 20-24 November 2006 organized by Indian Statistical Institute, Kolkata.

Workshop on bamboo species of Northeast India: Adoption of suitable cultivation techniques for socio-economic development of rural people held at NERIST, Nirjuli, Arunachal Pradesh during 15-16 December 2006 sponsored by NEC Shillong & DST, New Delhi.

Regional Seminar on Traditional Knowledge Systems and Community Development in North East India on 18-19 August'2007 held at NERIST, Nirjuli, Arunachal Pradesh, sponsored by NEC, Shillong.

Training Programme on Water Quality Testing organized by NERIST, Nirjuli from 29th October to 12th November'2007 sponsored by PHE Department, Govt. of Arunachal Pradesh.

Vacation Program on Bioresources held at NERIST, Nirjuli, Arunachal Pradesh during 10 December'2007-05th January'2008 sponsored by National Bioresources Development Board, Department of Biotechnology, Govt. of India.

Seminar on Forest Conservation in Arunachal Pradesh on 23rd February'2008 organized by NERIST, Nirjuli and sponsored by ICFRE, Dehradun.

State Level Training of Field Investigators on Documentation Assessment and Promotion of Local health Traditions in Tripura from 18-25th February'2012, organized by Tripura University and FRLHT, Bangalore and sponsored by North Eastern Institute of Folk Medicine (NEIFM), Pasighat, Arunachal Pradesh.

Workshop on the Barcoding and PCR Techniques from 22-26 February'2013 organized by Tripura University and sponsored by Deptt. Of Biotechnology, Govt. of India.

First Knowledge Conclave for Colleges and Universities organized by Centre for Science and Environment, New Delhi on January 28-29' 2016.

Regional Knowledge Conclave for Colleges and Universities, Kolkata organized by Centre for Science and Environment, New Delhi on August 24-25' 2017.

Three Days North East Program on Advanced Data Analysis with R-Software organized by Indian Statistical Institute, Bangalore and ICFAI University, Tripura during 28-30 November'2017.

National Programme on Technology Enhanced Learning NPTEL SPOC Workshop (East Zone) on 27th July'2019, organized by IIT Kharagpur.

21. Skills

- ❖ Good communication skills (both written and oral) in English
- ❖ Ability to draft reports and peer reviewed publications.
- ❖ Good interpersonal skills and readiness to work with research teams from both public and private sectors.

22. Referees

1. Professor Dr. A.Arunachalam, Principal Scientist & Scientific Officer, Office of the Secretary, DARE & Director-General, ICAR, Room No. 101, Krishi Bhavan, New Delhi 110001, Phone: +91-11-23385065; Fax: +91-11-23384773, Email: arun70@gmail.com, arun.icar@nic.in, aa.icar@mail.com.
2. Dr. Subrata Nandy, Scientist/Engineer-SE, Forestry and Ecology Department, Indian Institute of Remote Sensing, Indian Space Research Organisation, 04 Kalidas Road, Dehradun 248001, Uttarakhand, India; <http://www.iirs.gov.in/>. Telephone: 0135-2745526, 2524136 (Office), Fax: 2741987, Email: subrato.nandy@gmail.com
3. Prof. Biman Kumar Dutta. Member, North East Council Secretariat, Shillong 793003, Meghalaya. Phone: +919435522395, Email: bimankdutta@rediffmail.com.

Agartala, 27th of November'2019

Kuldip Gosai