

CURRICULUM VITAE

Name of Firm: Asian Disaster Preparedness Center (ADPC)
Name of Staff: Niladri GUPTA
Profession: Senior Project Manager, Climate Risk Management Expert at Asian Disaster Preparedness Center, Bangkok, Thailand.
Date of Birth: 16 April, 1975
Years with Firm/Entity: 3 year and 3 months.
Nationality: Indian
Phone/Address/E-mail: M: +66824354834 / Asian Disaster Preparedness Centre, SM Tower, 24th Floor, 979/69 Paholyothin Road, Samsen Nai Phayathai, Bangkok 10400 Thailand / niladri.gupta@adpc.net

Membership in professional societies:

- Indian Society of Remote Sensing, L – 2291, Life Member from 01 Sep 2002;
- Centre for Groundwater Studies, 02 March 2015 – ongoing.
- American Geophysical Union, #338783, 28 Jan 2015 – 31 Dec 2015; #2854952693 28 June 2018 – 31 Dec 2019.

KEY QUALIFICATIONS:

- Seasoned professional with **10 years** of proven professional experience in **Geographical Information Systems, System Analysis, GIS/ Remote Sensing and Geographical databases**;
- Knowledgeable of **Earth Observation Science, Environmental Modelling and Management (GEM) and Natural Resources Management**;
- Deep understanding and multiple experience of more than **6 years** in **Geo-information, Fluvial Geomorphology, River Planform Dynamics, Water Resources Management and Climate Risk Management**, having participated and led several international research projects in UK, Sweden and The Netherlands;
- Long-term experience in the field of **GIS sector, GIS software and GIS database management, database design** using MS Visio and integrating it with ESRI Geodatabase;
- Experienced in **Visual and Digital Interpretation of satellite sensor data** for land and water resources management, climate risk assessment, disaster management and risk assessment;
- Experienced in using **time series earth observation data and geo-information techniques**, currently, being involved in establishment of an Hydro-met Early Warning System in the Agricultural sector as part of the “Bihar Disaster Risk Reduction Road Map 2015-2030” in India;
- Competent in **analysing socio-economic and physical vulnerabilities** to changing climate and disaster risk, using results from research on historical impacts, current adaptation/coping strategies and policy (economic growth, environmental degradation, etc.);
- Experienced in **analysing hazard, vulnerability and risk in climate sensitive sectors**, based on subject specific information in order to **design appropriate climate risk reduction interventions and climate change adaptation/mitigation measures** to suit all levels (state to community level);
- Experienced in **analysing climate information** and utilize them to **build resilience** to climate risk and adapt to climate change;
- Experienced in conducting **capacity assessment of data flow** from collection, analysis, forecasting to dissemination of useful information to end-users;
- Core competency in using **IPCC AR5 scenario** based future climate models and integration with other models to delineate species distribution;
- Geographic data management from multiple sources including **censuses, geographical statistics, field observation, satellite imagery, aerial photographs** and existing maps and databases;
- Handling **terrain modelling, 3D terrain mapping & 3D fly** through using geo-information techniques;
- **Excellent research and development skills** in geospatial technology, verifying accuracy of map information based on ground trothing;
- Experienced in providing **technical assistance to plan, estimate, set targets and implement geo-information projects**;
- Great communicator and a top negotiator with the ability to work under pressure.
- Skilled in delivering **oral and written reports** targeting a wide range of stakeholders e.g. **academic, government and commercial audiences**; (see publications & conference presentations).

EDUCATION:

Institution	Start date	End date	Degree / Diploma obtained
University of Southampton, UK	2008	2012	Ph.D. in Geography & Environment.
University of Southampton, UK; Lund University, Sweden; Warsaw University, Poland and ITC, The Netherlands (Joint Course)	2006	2008	M.Sc.(Geo-information and Earth Observation for Environmental Modelling and Management)
Jadavpur University, Kolkata, India	1997	1999	M.Sc. (Applied Geological Sciences)
Burdwan University, India	1993	1997	B.Sc. Geology (Honours)

Date: 01 Jun 2019 – ongoing

Employer: Asian Disaster Preparedness Center

Position held: Senior Project Manager – Climate Risk Management

Description of duties:

- Develop, design and manage projects related to climate risk management / climate change adaptation plans, strategies and approaches for minimizing climate risks on lives, livelihoods, food security, agriculture and ecosystem resilience, urban / rural systems, economic assets and infrastructure in countries;
- Develop climate vulnerability and risk assessments in climate sensitive sectors and formulate measures, tools and procedures for climate change adaptation, risk management and resilience;
- Participate in outreach activities of the CLR Department; design and conduct training workshops, seminars, etc., makes presentations on assigned topics/activities and develop partnerships and network with strategic partners for project related activities.

Date: 15 Jan 2017 – 31 May 2019

Employer: ADPC in collaboration with Department of Agriculture, Government of Bihar, India.

Position held: Technical Specialist – Climate Risk Management Expert

Description of duties: Application Project: **“Meghdoot – Telemetric based hydro-meteorological network for Early Warning in the agriculture sector”**, INR 2170.13 Lacs (USD 3.34 million).

- Drafting and development of a scoping study on “Status of weather data availability in Bihar”;
- Drawing up a Detailed Project Report for the Meghdoot Scheme;
- Providing technical support to department with tender evaluation process;
- Insuring with technical support to establishment of the system and data center set up;
- Assisting in setting up technical collaboration with Space Application Centre, Indian Space Research Organisation for forecast generation to the farmers.

Date: 01 May 2017 – 31 May 2019

Employer: ADPC in collaboration with Indian Space Research Organisation, Bihar, India

Position held: Technical Specialist - Climate Risk Management Expert

Description of duties: Application Project: **“Climate inclusive risk assessment for the agriculture and allied sector”**, under Bill and Melinda Gates Foundation program.

- Drafting the Framework and its methodology for the risk assessment component within the agriculture sector;
- Toolkit development for data collection on risk assessment for the agriculture and allied sector;
- Guiding on hazard assessments and web development interface for risk atlas;
- Carrying out crop and season wise vulnerability analysis using field data and hazard assessment information.

Date: 17 Oct 2016 – 31 May 2019

Employer: Asian Disaster Preparedness Centre (ADPC), Patna, India.

Position held: Technical Specialist – Climate Risk Management Expert

Description of duties:

- Rendering technical support to the Government of Bihar, India to establish and strengthen climate risk management system in the agricultural sector;
- Analysing hazards and vulnerability to changing climate based on research results, give advice on adaptation / coping strategies;
- Providing recommendations to bridge the knowledge gap to improve the local weather

- forecasting and early warning systems;
- Delivering technical trainings related to climate risk management, to integrate climate change and disaster risk impacts into development planning process of Agriculture Department;
- Responsible for carrying out scoping studies, formulation of a Detailed Project Report (DPR) and System Requirement Studies (SRS) for EWS / CRM / CCA.
- Appointed as resource person at community level to facilitate trainings on early warning systems.

Date: 07 July 2015 – 30 June 2016

Employer: Tocklai Tea Research Institute (TRA), Early Adopter for the NASA SMAP sensor selected on a competitive basis. One of the 55 institutes to be selected by SMAP Science Team worldwide, Jorhat, India.

Position held: Early Adopter PI

Description of duties: Research Project: **“Crop Management Advisory Service using SMAP in tea growing regions of Northeast India”**. (Incomplete project).

- Evaluated the quality of SMAP data and monitored regional soil moisture status of the north-eastern part of India in order to advise growers on soil water requirements;
- Advised on irrigation requirements and soil moisture status to sustain tea bush production.

Date: 12 Dec 2015 – 30 June 2016

Employer: Tocklai Tea Research Institute (TRA), Jorhat, India

Position held: Co-Investigator

Description of duties: Research Project: **“Mapping of Future Suitability of tea in Assam”**, funded by Ethical Tea Partnership, India. (USD 18,000.00).

- Literature review on climate scenario modelling, species distribution models and impact of climate change on agriculture sector;
- Undertook climate data analysis using species distribution modelling to map future sustainability of tea crop;
- Reported on project activities and made a final presentation on tea industry to key stakeholders.

Date: 29 April 2014 – 31 May 2016

Employer: Tocklai Tea Research Institute (TRA), Jorhat, India

Position held: Principal Investigator

Description of duties: Research Project: **“Climate-smartening Assam’s tea plantation landscapes: defining socio-ecological ‘safe spaces’ for future sustainability”**, funded by DST, Government of India under UKIERI Program, (USD 48000.00).

- Acted as Principal Investigator and was in charge of the overall management of project activities;
- Coordinated and conducted primary field data collection;
- Carried out Focus Group discussions and workshops with key stakeholders;
- Provided climate data analysis advise and mentored research fellows as needed;
- Prepared and presented paper on Changing climate and the value of the tea landscape in Assam at the American Geophysical Union Fall Meeting 2015;
- Donor report preparation;
- Peer reviewed publication in Environmental Science & Policy and Applied Geography.

Date: Jan 2014 – June 2014 (30% of daily man hour)

Employer: Tocklai Tea Research Institute (TRA), Jorhat, India

Position held: Co-Investigator

Description of duties: Application Project: **“Inward Leaf Inspection System for Indian Tea Industries”** funded by CDAC, Government of India under eAgriEn Programme. (₹24,00,000.00). Mainly performed project management functions.

Date: July 2012 – Dec 2013

Employer: Tocklai Tea Research Institute (TRA), Jorhat, India

Position held:	Co-Investigator
Description of duties:	<p>Application Project: “Developing tools for a decision support system framework for tea production system using a wireless sensors network” funded by CDAC, Government of India under eAgriEn Programme. (₹1,36,90,000.00).</p> <ul style="list-style-type: none"> • Testing of soil moisture, soil temperature and soil ph sensor in tea soil. • Assistance in calibration of the sensors with CDAC engineers; • Mapping of sensor data in GIS platform and estimation of parameter values using interpolation technique; • Presentation of project progress to national level expert committee members; • Conducting workshop and showcase of the sensor to stakeholders of the tea industry.
Date:	27 March 2012 – 30 Sep 2016
Employer:	Tocklai Tea Research Institute (TRA), Jorhat, India
Position held:	Scientist C (GIS)
Description of duties:	<ul style="list-style-type: none"> • Formulation and implementation of projects related to climate change and vulnerability of tea plantations using earth observation technology for tea area development and water resources management for irrigation needs of Tea estates; • Development of a climate advisory tool TeaCAT for the tea industry. The first detailed study carried out on integrated human-environment assessment of the tea landscape of Assam under a UK-India funded project; • Provided GIS Technical Support in the field of Natural Resources Management to the tea industry; • Provided capacity development and delivered training sessions in the field of Geo-informatics to Tea Estates Executives and Managers, emphasizing drainage management, monitoring of growth patterns and mitigation issues of tea gardens and plantations; • Modelling Sustainability of Assam tea with future climate scenarios of IPCC AR5 using species distribution modelling.
Date:	May 2010 – June 2010
Employer:	Utrecht University, Utrecht Area, The Netherlands
Position held:	Guest Researcher
Description of duties:	<ul style="list-style-type: none"> • Carried out collaborative research on bifurcation and meandering of the River Ganga and tectonic effect of the avulsion of the Ganga in the Lower Gangetic plain at the Faculty of Geosciences, Utrecht University. • Worked on one-dimensional modelling of river avulsion and published the results in Geomorphology journal. The results were also presented at the American Geophysical Union 2010 Fall meeting at San Francisco, USA.
Date:	May 2008 – August 2008
Employer:	Limtex Infotech Ltd., Kolkata, India
Position held:	Senior GIS Analyst
Description of duties:	<ul style="list-style-type: none"> • Spearheaded activities within a five member/ five-person team towards execution of GIS projects related to urban tax mapping, secured technical support for planning future projects and served as client liaison for projects related activities. • Performed problem solving in Arc GIS platform to connect external database to spatial data related to households relationships; • Streamlined data capture in ArcGIS platform related to households of an urban area for a project on urban tax mapping on ArcGIS platform. • Trained company staff in managing external database for better readability in ArcGIS. In result this led to speeding up the project implementation and to better Quality Control of the final database; • Developed and prepared for an e-governance project demo presentations in GIS domain, and maintained routine communication with regional and national government clients on projects related activities.
Date:	October 2008 – May 2012
Employer:	University of Southampton, United Kingdom
Position held:	PhD Researcher
Description of duties:	<ul style="list-style-type: none"> • Time series satellite data analysis to map planform change of large alluvial rivers due to erosion and aggradation of river bank. • Undertook geomorphological process modelling to understand river planform pattern

changes and threshold for chute cut-offs.

- Carried out one dimensional modelling of tectonic effect on avulsion and bifurcation in large meandering river systems.

Date: 22 Jan 2007 – 02 May 2005

Employer: Department of Science & Technology, Government of West Bengal / Indian Space Research Organisation funded, Kolkata, India.

Position held: Sr. Research Fellow

Description of duties: Application Project: **“National Natural Resource Information System”**.

- Draw up thematic maps related to land and water resources;
- Coordinated and participated in extensive field work exercises to carry out ground trothing of maps;
- Responsible for field data collection on water resources;
- In charge of data analysis on ArcGIS platform;
- Prepared project report.

Date: 04 May 2005 – 31 August 2006

Employer: Department of Science & Technology, Government of India funded project, Kolkata, India.

Position held: Sr. Research Fellow

Description of duties: Application Project: **“Post Tsunami damage assessment of natural resources in North Andaman, India”**, INR 10.00 Lacs (USD 15,384).

- Undertook time series mapping of satellite data to delineate the damage caused to the natural resources of the study area;
- Engaged in development of the drainage map and carried out field data collection;
- Prepared thematic maps for tsunami damage assessment Atlas;
- Published along with project’s team members a book chapter: “Geomatics in Tsunami”.

Date: January 2004 – 31 August 2006

Employer: Geoinformatics & Remote Sensing Cell, Department of Science and Technology, Government of West Bengal, Kolkata, India.

Position held: Sr. Research Fellow

Description of duties:

- Team member of Geoinformatics & Remote Sensing Cell, was responsible for carrying out projects in the field of natural resources management and disaster management;
- Prepared natural resources management and disaster management plans, provided extensive field data collection and data analysis for better management of land and water resources;
- Supplied Satellite Data Interpretation for primary thematic data preparation, designed GIS database;
- Carried out satellite based damage assessment to natural resources of Andaman Islands after 2004 Indian Ocean Tsunami and developed Tsunami Damage Assessment Atlas for the islands.
- Was in charge with infrastructure setup and upgradation of digital image processing; GIS hardware and software setup in collaboration with personnel from ESRI, Leica Geosystems and HP.

Date: 1st Dec 2000 – January 2004

Employer: CES Technologies Ltd.,Kolkata, India

Position held: GIS Analyst

Description of duties:

- Provided technical support for planning and execution of GIS projects funded by Indian Space Research Organisation, Dept. of Space, Govt. of India, World Bank and Department of Science & Technology, Govt. of India;
- Supported implementation of projects related to water resources management, urban planning, database management, GIS analysis and field data collection;
- Handled business development activities, liaised with key clients, carried out contractual and financial obligation and contract negotiation;
- Maintained routine communication on behalf of the company;
- Generated and reported on project activities.

Date: 1st Dec 2000 – January 2004 (Input: 180 w/d)

Employer: CES Technologies Ltd.,Kolkata, India

Position held: GIS Analyst

Description of duties: Application Project: “**Geospatial mapping under Rajiv Gandhi National Drinking Water Mission**”.

- Performed hydro-geomorphological mapping of the study area;
- Designed/planned and conducted field data collection;
- Analysed relevant data and generated the groundwater potential zone map;
- Prepared the Project Report.

Date: 1st Nov 1999 – 30 Nov 2000

Employer: Department of Science and Technology, Government of West Bengal, Kolkata, India

Position held: Jr. Project Scientist

Description of duties:

- Carried out interpretation of satellite sensor data, field data collection, report writing;
- Trainee in using geospatial technology for land and water resources management.

Date: 24 Aug 1999 – 30 Nov 2000

Employer: Department of Science & Technology, Government of West Bengal / Indian Space Research Organisation funded project, Kolkata, India

Position held: Jr. Project Scientist

Description of duties: Application Project: “**Natural (National) Resources Information System**”.

- Carried out hydro-geomorphological and landuse / landcover mapping;
- Realized and coordinated field data collection and prepared land and water resources management plan;
- Formulated the draft Project report.

Language	Reading	Speaking	Writing
Bengali (Mother Tongue)	1	1	2
English	1	1	1
Hindi	2	2	4

PAPER PUBLICATIONS IN NATIONAL / INTERNATIONAL JOURNALS:

- Biggs EM, **Niladri Gupta**, Saikia SD, Duncan JM, **Title of the Paper:** The tea landscape of Assam: multi-stakeholder insights into sustainable livelihoods under a changing climate. *Environmental Science & Policy* (Vol 82, pages 9-18), 2018;
- Duncan JM, Saikia SD, **Niladri Gupta**, Biggs EM, **Title of the Paper:** Observing climate impacts on tea yield in Assam, India, **Journal:** *Applied Geography* (Vol.77, pages 64-71), 2016;
- Carling PA, **Niladri Gupta**, Atkinson PM, Huang QH, **Title of the Paper:** Criticality in the planform behavior of the Ganges river meanders, **Journal:** *Geology* (Vol. 44, pages 859-862), 2016;
- **Niladri Gupta**, M. G. Kleinhans, E.A. Addink, Peter M. Atkinson, Paul A. Carling, **Title of the Paper:** One-dimensional modelling of a recent Ganga avulsion: assessing the potential effect of tectonic subsidence on a large river, **Journal:** *Geomorphology* (Vol. 213, pages 24-37), 2014;
- **Niladri Gupta**, R. M. Bhagat, G. G. Borah, **Title of the Paper:** Water Resources Management Plan for irrigation needs of tea gardens in drought prone areas of Assam, **Journal:** *Two & a Bud* (Vol. 60 (1), pages 20-25), 2013;
- R. D. Baruah, R.M. Bhagat, M. Saikia, A. Saikia., L.B. Pathak, Lahari Sengupta, **Niladri Gupta**, and N. Bhattacharyya, **Title of the Paper:** Using wireless sensor network for monitoring growing environment of tea in NE India, **Journal:** *J. Env. Res. Develop.* (Vol. 8 (2), pages 1-10), 2013;
- **Niladri Gupta**, Peter M. Atkinson, Paul A. Carling, **Title of the Paper:** Decadal length changes in the fluvial planform of the River Ganga: bringing a mega-river to life with Landsat archives, **Journal:** *Remote Sensing Letters* (Vol.4 (1), pages 1-9), 2012;
- **Niladri Gupta**, Md. Aktaruzzaman, Chen Wang, **Title of the Paper:** GIS-based Assessment and Management of Nitrogen and Phosphorus in Rönneå River Catchment, Sweden, **Journal:** *Journal of the Indian Society of Remote Sensing* (Vol. 40 (3), pages 457-466), 2012;
- **Niladri Gupta**, Petter Pilesjo & Ben Maathuis, **Title of the Paper:** Use of Geoinformatics for inter-basin water transfer Assessment, **Journal:** *Water Resources* (Vol. 37 (5), pages 623-637), 2010;

- S. K. Nag, **Niladri Gupta**, **Title of the Paper:** Digital Elevation Modelling using ILWIS 2.1 in parts of Puruliya District, West Bengal, India, **Journal:** International Archive of Photogrammetry and Remote Sensing (Vol. XXXIII (B-4), pages 726-733), 2000.

PAPERS PUBLICATIONS IN NATIONAL/ INTERNATIONAL CONFERENCES:

- **Niladri Gupta**, Prangya P. Gupta, Prabhat Pramanik, Angkur Saikia, Lahari Sengupta, Rajiv M. Bhagat, Nabarun Bhattacharyya, **Title:** Integration of Geoinformatics and wireless sensors for smart agriculture in Tea, **Conference:** 2nd International Conference on Remote Sensing and Geoinformation RSCy 2014, Paphos, Cyprus, 7-10 April 2014;
- **Niladri Gupta**, Peter M. Atkinson, Paul A. Carling, **Title:** A spatially distributed probabilistic model for forecasting river planform change of an alluvial mega-river, **Conference:** European Geoscience Union General Assembly, Vienna, Austria, 3 – 8 April, 2011;
- **Niladri Gupta**, E.J. Milton, **Title:** Quality Assessment of CHRIS/PROBA Image and Recommendation for Land Cover Classification, **Name of the Conference:** RSPSoc 2009 Annual Conference, Leicester, UK, 8-11 September 2009;
- D. Bose, **Niladri Gupta**, **Title:** RS & GIS for Highway Designing. Remote Sensing and GIS – An Integrated approach towards Environmental Conservation, **Conference:** Map India, New Delhi, India, 29-31 January, 2003;
- S. K. Nag, **Niladri Gupta**, **Title:** Land Cover Mapping and Hydrogeomorphological / Studies in and around Matha Protected Forest/ Puruliya District, West Bengal, India/, **Conference:** International conference on remote sensing and GIS/GPS, ICORG*, Hyderabad, India, 2000.

CONFERENCE/SEMINAR (NATIONAL AND INTERNATIONAL LEVEL) PARTICIPATED / PRESENTED:

- **Niladri Gupta**, E.M. Biggs, S. D. Saikia, J. M. Duncan, **Title:** Climate-Smart Landscapes for Managing Water Resources in the Tea Growing Regions of Northeast India, **Conference:** American Geophysical Union Fall Meeting, San Francisco, USA, 14-18 December, 2015;
- E.M. Biggs, **Niladri Gupta**, S. D. Saikia , J. M. Duncan, **Title:** Changing climate and the value of the tea landscape in Assam, **Conference:** American Geophysical Union Fall Meeting, San Francisco, USA, 14-18 December, 2015;
- S. D. Saikia , **Niladri Gupta**, E.M. Biggs, J. M. Duncan, **Title:** Climate-smart landscape management in North-East India: determining the influence of climatic variables on tea production, **Conference:** XV World Water Congress, Edinburgh, UK, 24-29 May 2015;
- P. Pramanik P, C.S. Ahmed, **Niladri Gupta**, K.Z. Ahmed KZ, R.M. Bhagat, **Title:** Warmer atmospheric temperature enhances microbial activity to facilitate the rate of organic C mineralization in soil of north-eastern India, **Conference:** 20th World Congress of Soil Science, Jeju, Korea, 8-13 June 2014;
- **Niladri Gupta**, M.G. Kleinhans, E. Addink, Peter M. Atkinson, Paul A. Carling, **Title:** Effect of tectonics and meandering on the avulsion of the Ganga-Bhagirathi System, **Conference:** American Geophysical Union Fall Meeting, San Francisco, USA, 13-17 December, 2010;
- **Niladri Gupta**, Peter M. Atkinson, **Title:** Geoinformatics for forecasting channel planform change in Ganga–Padma River System, West Bengal, India, **Conference:** Living with Environmental Change, Southampton, UK, 23 June, 2009;
- Niladri Gupta, Peter M. Atkinson, Paul A. Carling, **Title:** Ganga– Padma River System, India: A changing pattern through time, **Conference:** Annual Conference of the British Society of Geomorphologists, Durham, UK, 7-9 September, 2009.

BOOKS/MONOGRAPHS/BOOK CHAPTERS/REPORTS WRITTEN:

- R. M. Bhagat, K. Z. Ahmed, **Niladri Gupta**, R.D. Barua, **Title:** Report of the WG on Climate Change of the FAO IGG on Tea, **Publisher:** FAO, Rome, 2016;
- **Title:** Post Tsunami Damage assessment Mapping of Andaman Islands (Atlas), **Publisher:** Geoinformatics & RS Cell, DST, Govt. of W. Bengal & NRDMS Division, DST, Govt. of India, 2008;
- P. Chakrabarti, S. Nag, S.B. Dutta, S. Dasgupta, **Niladri Gupta**, **Title:** S&T input: Earthquake and Tsunami effects, Andaman Islands, India, **Publisher:** New India Publishing Agency, 101 Vikas Surya Plaza, Pitam Pura, New Delhi 110088, 2006;
- **Niladri Gupta**, S. Ghosh, S. Choudhary and P. Chakrabarti, **Title:** Geoinformatics in Water Resources Management in Puruliya District, West Bengal, **Publisher:** NATMO, DST, Govt. of India, 2005.

BS-MS THESIS GUIDED WITHIN UNIVERSITIES:

- Dept. Computer Science & Engineering, Kaziranga University, Jorhat (6th Semester Summer Training Project), **Project:** Development of Crop Weather Management System for Tea Research Association, 2016;
- Dept. Computer Science & Engineering, Kaziranga University, Jorhat (6th Semester Summer Training Project), **Project:** Development of Leave Monitoring System for Tea Research Association, 2016;
- Dept. Computer Science & Engineering, Kaziranga University, Jorhat (6th Semester Summer Training Project), **Project:** An android application for meteorological data collection and retrieval for all the seven meteorological stations under TRA, 2015;
- Geography & Environment, University of Southampton, UK (Fieldwork supervision for fulfilment of M.Sc. dissertation), **Project:** An investigation into the effect of productive tea area discrepancy on soil quality in Assam's tea estates and the variation in quality with different fertiliser practices, 2015;
- Geography & Environment, University of Southampton, UK (Fieldwork supervision for fulfilment of M.Sc. dissertation), **Project:** Exploratory study into the ability of medium spatial resolution satellite imagery to detect shade tree density in tea estates across north east India, 2015;
- Geography & Environment, University of Southampton, UK (Fieldwork supervision for fulfilment of M.Sc. dissertation), **Project:** Remotely sensing the water productivity of tea: Evidence from India and Malawi, 2014;
- Dept. of Electronics & Communication Engg NIT, Silchar (Summer Training project), **Project:** A Web GIS application for Tea Research Association, 2013.

HONORS & AWARDS:

- International Travel Support, DST-SERB, 2014;
- ORSAS Scholarship for Ph.D. studies, 2008 – 2012;
- EU Erasmus Mundus Scholarship for Masters Programme, 2006 – 2008;
- Scholarship for Post Graduate study from Ministry of Human Resources, Govt. of India, 1997.

OTHER:

- Development of Joint Research collaboration on river avulsion studies with Faculty of Geosciences, Utrecht University, The Netherlands, 2010;
- Invited speaker at the Department of Civil Engineering, National Institute of Technology, Durgapur India on "An Introductory course on application of Remote Sensing and GIS", 2003.

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe my qualifications, my experience and me.

Signature

03.01.2020

Date

Full Name: __Niladri Gupta_____