

CURRICULUM VITAE

Of

BISWAJIT NATH

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Education

1. M.Sc. in Geo-Informatics (2 Years Duration)- (Thesis), First Class-68.93% , 2009 February, Sikkim Manipal University of Health, Medical & Technological Sciences, India.

2. Post Graduate Diploma in Applied GIS & Remote Sensing (1 Year Duration), First Class- 63.20%, 2007 September, Computer Aided Design Centre, Department of Computer Science & Engineering, Jadavpur University, Kolkata-700032, West Bengal, India.

3. B.Sc.(Hons.) in Geography & Environmental Studies (4 years integrated), First Class- 69.48%, (Second Position) CGPA-3.60 out of 4.00 scale, Grade-(A-), Examination Year 2002, held in January 2006, Result published-27 September 2006, Department of Geography & Environmental Studies, University of Chittagong, Chittagong-4331, Bangladesh.

4. Higher Secondary Certificate Exam. In Science, First Division- (62.8%), Session: 1995-1997, Year of passing 1997, Residential Model College, Dhaka, Dhaka Board, Bangladesh.

5. Secondary School Certificate Exam. In Science, First Division- (83.2%) (District First- First Grade Scholarship), year of passing 1995, Jhalakathi Govt. Boys' Secondary School, Jhalakathi, Jessore Board, Bangladesh.

GIS and Remote Sensing Skills:

- Arc GIS 10, Arc View-3.3, ERDAS Imagine-2010, Google Earth-7.0-4.3v, GeoMedia Viewer-6.1, MapInfo-8, PCI Geomatica-10v, Autocad Map 3D-2009, Autocad Map 2004, Cad Overlay, Auto Desk Map 2004-2000i, GPS, Picasa-3(Image Rendered Software), Arc2Earth, Map Source and X-Tools Pro.

Academic teaching Experience:

- Taken Class (Theory and Practical) in the Undergraduate and Post Graduate Level: **Subject:** Social Geography, GIS, Remote Sensing, Land Utilization and Land Management, Survey, Study of Relief and Landforms, Study of Maps, Study of Aerial Photography and Remote Sensing. (From 9th April 2011 to Continue at Present)

Research Paper Publication in International Journal:

- *"Land use Change Monitoring of Hari-Teka River Basin, Jessore, Bangladesh Using Remote Sensing and GIS", International Journal of Advancement of Remote Sensing, GIS and Geography(IJARSGG), Publishing Volume-March issue, 2014; Accepted on 27 March 2014; ISSN: 2321-8351; Published by International Research Organization in Sciences and Social Sciences (IROSSS), Authors: Alak Paul¹, Biswajit Nath², Md. Rana Abbas³, Hiamul Islam⁴, Bishnu Mallick⁵*

- *"Quantitative Assessment of Forest Cover Change of a Part of Bandarban Hill Tracts Using NDVI Techniques"*, Journal of Geosciences and Geomatics, 2014 2 (1), pp 21-27. DOI: 10.12691/jgg-2-1-4; Pub. Date: 2014-03-18; Published by Science and Education Publishing (SciEPub), United States; Author: Biswajit Nath.
- *"Landuse Change Monitoring of Banshkhali Coastal Areas Using Toposheet data and Satellite Imageries (1988-2010): A Geoinformatics Approach"*, at International Journal of Physical and Social Sciences (IJSS) ISSN: 2249-5894, Volume 4 Issue 4 (2014), Pub. Date: 2014-04-01; Published by International Journal of Multi-disciplinary Research Academy (IJMRA), A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal), USA; Authors: Taj Sultana¹, Biswajit Nath²
- *"Migration Pattern and Everyday life of Slum People: A Study on Chittagong City, at International Journal of Physical and Social Sciences (IJSS) ISSN: 2249-5894, Volume 4 Issue 4 (2014), Pub. Date: 2014-04-01; Published by International Journal of Multi-disciplinary Research Academy (IJMRA), A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal), USA; Available at <http://www.ijmra.us/ijps>; Authors: Naznin Nahar Sultana¹, Biswajit Nath², Apu Kumar Das³, and Hiamul Islam⁴, Paper Reference Number: IJMRA-5160.*
- *"Forest Cover Change Detection using Normalized Difference Vegetation Index (NDVI): A Study of Reingkhongkine Lake's Adjoining Areas, Rangamati, Bangladesh" at Asian Journal of Spatial Science, ISSN: 2347-7636 (Print), Volume 1 Issue 1, (November, 2013), Pub. Date: 2013-11-30; Published by Geographical Society, Dibrugarh University, Dibrugarh, Assam, India.*
- *Paper published on "Assessment of Socio-economic Condition of Tea-workers: A Study on selected Tea Gardens of Chunarughat Upazila, Habiganj District, Bangladesh, at International Journal of Physical and Social Sciences (IJSS) ISSN: 2249-5894, Volume 3 Issue 12 (2013) PP. 606-624, Pub. Date: 2013-12-01; Published by International Journal of Multi-disciplinary Research Academy (IJMRA), A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal), USA; Available at <http://www.ijmra.us/ijps>; Authors: Biswajit Nath¹ and Nazir Ahammad², Paper Reference Number: IJMRA-4231.*
- *Paper published on "Urban Municipal Growth and Landuse Change Monitoring Using High Resolution Satellite Imageries and Secondary data: A Geospatial Study on Kolkata Municipal Corporation, India" at Studies in Surveying and Mapping Science (SSMS), ISSN: 2328-6253, Volume 1 Issue 3 (2013) PP. 43-54, Pub. Date: 2013-09; Published by American Society of Science and Engineering (ASSE)-Online Open Access and Peer reviewed Journal), USA; Available at <http://www.as-se.org/Archive.aspx>; Authors: Biswajit Nath¹, Shukla Acharjee² and Paper Reference Number: SSMS-7840.*
- *Paper published on "Tidal River Management (TRM) and its implication in disaster management: A geospatial study on Hari-Teka river basin, Jessore, Bangladesh" in The International Journal of Geomatics and Geosciences, ISSN 0976-4380, Volume 4, Number 1 (2013), pp. 125-135; Pub. Date: 2013- August; Published by Integrated Publishing Association (IPA Journals- Online Open Access Scientific Journal Publishers), India; Available at <http://www.ipublishing.co.in>; Authors: Alak Paul¹, Biswajit Nath² and Md. Rana Abbas³ and Paper Reference Number: EIJGGS-4012*
- *Paper Published on "Trends Analysis of River Bank Erosion at Chandpur, Bangladesh : A remote sensing and GIS approach" in The International Journal of Geomatics and Geosciences, ISSN 0976-4380, Volume 3, Number 3 (2013), pp. 454-463; Published by Integrated Publishing Association (IPA Journals- Online Open Access Scientific Journal Publishers), India ; Available at <http://www.ipublishing.co.in>; Authors: Biswajit Nath¹, Sultana N. Naznin² and Paul Alak³ and Paper Reference Number : EIJGGS-3138*
- *Paper Published on "Using Geospatial Techniques to assess the Salinity Impact on Agricultural Landuse: a study on Shyamnagar Upazila, Satkhira." in The Journal of Agriculture and Environment for International Development-JAEID, ISSN: 2240-2802, Volume 106, Number 2 (2012), pp. 157-169; Published by Istituto Agronomico Per l'Oltremare (The Technical and Scientific Branch of the Italian Ministry of Foreign Affairs, Italy; Available at <http://www.iao.florence.it/ojs/index.php/JAEID/issue/>; Authors: Mohammad Saidul Islam¹, Mohammad Atiqur Rahman², Nahid Sultana³, Biswajit Nath⁴ and Alak Paul⁵; Paper Reference Number : 91-425-1-PB*

- Paper Published on "Lake configuration and change detection studies using Remote Sensing and GIS Techniques: A Study on Bogakine Lake, Bandarban, Bangladesh" in *The International Journal of Lakes and Rivers*, ISSN 0973-4570, Volume 5, Number 2 (2012), pp. 75-89; Published by Research India Publications, India; Available at <http://www.ripublication.com/ijlr.htm> Authors: Biswajit Nath¹, Shukla Acharjee² and Atin Kumar Mitra³ and Paper Reference Number : 16240

WORK EXPERIENCE:

Professional Appointment:

1. 7th August 2013 to Continue at Present

Designation: Assistant Professor, Dept. of Geography and Environmental Studies, Faculty of Biological Sciences

Employer: University of Chittagong, Chittagong-4331, Bangladesh

2. 9th April 2011 to 6th August 2013

Designation: Lecturer, Dept. of Geography and Environmental Studies, Faculty of Biological Sciences

Employer: University of Chittagong, Chittagong-4331, Bangladesh

3. 21 January 2009 to 11 June 2009 (5 Months)

Designation: GIS Executive

Employer: KEM ENTERPRISES, Kolkata-700019, India.

4. 31 march 2007 to 11 march 2008 (1 year)

Designation: GIS Executive

Employer: TURNKEY SOFTWARE PROJECTS LIMITED (MapXL Division), COMPARE INFOBASE LIMITED, New Delhi- 110058, India.

Conference/Seminar/Workshop/Training Participation

- Participated in the 4th International Conference on "**Climate Change & Sustainable Management of Natural Resources**"; organized by School of Life Sciences, ITM University, Gwalior, as a Paper Presenter held from 12-14 February 2014 at ITM University, Turari Campus, Gwalior (M.P.), India.
- Participated in the XXXIII INCA International Congress on "**Integrated Decentralized Planning : Geospatial Thinking, ICT and Good Governance**"; organized by National Remote Sensing Centre (NRSC), ISRO, and Central Arid Zone Research Institute (CAZRI) , Jodhpur, as a Paper Presenter held from 19-21 September 2013 at Town Hall, NRSC and CAZRI Campus, Jodhpur, Rajasthan, India.
- Participated in the 6th GEOSS Asia-Pacific Symposium- "**Accelerating Interlinkages in The Asia-Pacific region for Global Earth Observations**" under **WG4: ASIA-PACIFIC BIODIVERSITY OBSERVATION NETWORK (AP-BON)** organized by Space Application Centre (SAC) ISRO, Ahmedabad, In association with MEXT (Ministry of Education, Culture, Sports, Science and Technology), JAPAN as a Paper Presenter held from 25-27 February 2013 at St. Larn Hotel, Ahmedabad, Gujarat, India.

- Participated in 14th Bangladesh International Geographical Conference-2013 on **“Geography and Environment Challenges in 21st Century”** as a Paper Presenter held on 5th January 2013 at Zahir Raihan Auditorium, Jahangirnagar University, Savar, Dhaka-1342, Bangladesh organized by Bangladesh National Geographical Association (BNGA).
- Participated in Instrumentation Training on **Atomic Absorption Spectrophotometer, Total Station, HPLC and Real Time PCR under Higher Education Quality Enhancement Project**, Arranged by Faculty of Biological Sciences, University of Chittagong held from July 07-12, 2012, at Faculty of Biological Sciences, University of Chittagong, Chittagong, Bangladesh.
- Participated in 14th **Annual International Conference and Exhibition on Geospatial Information Technology and Applications : India Geospatial Forum 2012** (Formerly known as Map India) as a Paper Presenter held from February 7th – February 9th 2012, at Epicentre, Apparel House, Gurgaon, India.
- Participated in 1st National Conference of BCAS on **Community Based Adaptation to Climate Change (Local to National)**, held on 9-10 April, 2012, Dhaka, Bangladesh, Organized by: Action Research for Community Adaptation in Bangladesh (ARCAB) and Bangladesh Centre for Advanced Studies (BCAS).
- Participated in **“ERDAS-India User Conference 2011”** Organized by: ERDAS-The Earth to Business Company with Leica Geosystems Geospatial Imaging India Pvt.Ltd. Gurgaon, India, Date-17th January, 2011, at Hyderabad International Convention Centre (HICC) Complex, Novotel, Hi Tech City, Hyderabad (A.P.), India and also Participated in the Geospatial World Forum-2011 International Conference and Exhibition organized by: GIS Development Pvt. Ltd, Noida (U.P.)-India, Date-18-21 January, 2011, at HICC, Hyderabad, India,
- Participated in **“ERDAS-India User Conference 2010”** Organized by: ERDAS-The Earth to Business Company with Leica Geosystems Geospatial Imaging India Pvt.Ltd. Gurgaon, India, Date-18th January, 2010, at Epicentre, Sector-44, Gurgaon- Haryana, India and also Participated in the **“13th Annual International Conference and Exhibition on Geospatial Information Technology and Applications: Map India 2010”** organized by: GIS Development Pvt. Ltd, Noida (U.P.)-India, Date-19-21 January, 2010, Epicentre-At Apparel House, Sector 44, Gurgaon-Haryana-India.
- Participated in One Day Annual Workshop on **“Carbon Sequestration by Plantation, Carbon Footprint, Certification, Risk Assessment and Responsible Procurement”**, Organized by: Regional Centre, National Afforestation & Eco-Development Board (NAEB),Ministry of Environment & Forests, Govt. of India, Jadavpur University, Kolkata, In association with School of Water Resources Engineering & Global Change Programme, Jadavpur University, Date- 21st August, 2009, at Dr. K.P. Basu Memorial Hall, Jadavpur University, Kolkata-700032, India.
- Participated in One Day Workshop on **“Microwaves in Space”, Organized By- IEEE, AP-MTT Joint Chapter, IEEE Calcutta Section**, Date-Monday, 8 September 2008, at Dr. K.P. Basu Memorial Hall, Jadavpur University Main Campus, Jadavpur, Kolkata-700032, India.
- Participated in Workshop on **“Managing Climate Change: Clean Technology Solutions for Howrah Foundry and Casting Cluster”**, Date- Friday, 27 June 2008, at Hotel Kennilworth, Kolkata in association with School of Automotive Engineering, Jadavpur University and Technology Information, Forecasting & Assessment Council (TIFAC), New Delhi, Department of Science & Technology under Ministry of Earth Sciences, Earth Sciences Forum, Government of India, India.

- Participated in 5 Days Intensive Training Programme on **Remote Sensing and GIS**, by Indian Institute of Ecology and Environment & in association with Geo-Informatics Consultancy Organisation of India (GEO-INFO-COIN), Date-14th-18th April 2008, at Geoinformatics Lab, Indian Institute of Ecology and Environment, A-15, Paryavaran Complex, South of Saket, Maidangarhi Marg, New Delhi-110030, India.
- Participated in Seminar on **Environmental Application of GIS and Remote Sensing**, by Jadavpur University, Organized by CAD Centre and Lokmata Rani Rashmoni Mission, Date-Friday, 23rd march-2007, at Dr. H.L. Roy Auditorium, Institute of Chemical Engineering Building, Jadavpur University, Kolkata, India.
- Participated in **National Level Workshop on Radar Systems: Recent Trends & Applications**, IIEE-Calcutta section: Antennas & Propagation/ Microwave Theory & Techniques, Date- Friday, 8th September, 2006 at Meghnad Saha Auditorium, University College of Science & Technology, University of Calcutta, India.
- Participated in **training program on Environment and Environmental Law**, arranged by Bangladesh Environmental Lawyers Association (BELA); Date-13-14 November, 2005 at Bangladesh Institute of Bank Management, Chittagong, Bangladesh.

Personal Profile:

- Name : Biswajit Nath
- Sex : Male
- Date of Birth : 28-08-1980
- Blood Group : B+ve
- Marital Status : Married
- Nationality : Bangladeshi
- Present Address : Assistant Professor, Department of Geography and Environmental Studies, Faculty of Biological Sciences, University of Chittagong, Chittagong-4331, Bangladesh.
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