


Curriculum Vitae: SUMANTA DAS, Ph.D.



Assistant Professor
School of Environment and Disaster Management,
IRDM Faculty Centre, Narendrapur Campus,
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Google Scholar: <https://scholar.google.com/citations?user=PPAyyGUAAA&hl=en>

Research interests:

1. **Current interests:** Remote Sensing and statistical modelling including machine learning in quantitative traits prediction of agricultural crops, specifically aims to provide improved understanding of crop physiological and morphological phenology, seasonal growth dynamics, water stress/drought tolerance of crops/cultivars, soil-crop-environment interactions, radiative transfer modelling, chlorophyll and nutrient variations/deficiencies, and yield estimations. Having expertise in the extraction and evaluation of complex biophysical traits of crops/vegetative canopy from high-resolution satellite/UAVs/proximal sensing imagery.

2. **Broad interests:** I have always had an interest in research projects that are interdisciplinary and focused on cutting-edge technologies for solving real-world problems related to environment, agriculture, and land & natural resources, specifically the applications of remote sensing, image processing, and spatial data analyses in climatic dynamics, agricultural water use, crop yield forecasting, land use and land cover dynamics, natural resources monitoring and management, and disaster risk management.

Education in detail:

- Jan 2019 – Dec 2021 : **Ph.D. (Full time, Australian Govt. International RTP fellowship) – School of Agriculture and Food Sciences** (QS world university subject/Dept. ranking 2022=16), **The University of Queensland**, Australia, (QS world university ranking 2022 = 46).
Thesis Title: “High-throughput phenotyping using UAV thermal imaging integrated with field experiments and statistical modelling techniques to quantify water use of wheat genotypes on rain-fed sodic soils”
- July 2010-Jun 2012 : SRM University, Kattankulathur main campus, TN, India
M.Tech (Full time) in Remote Sensing and GIS (School of Civil Engg.)
M.Tech. Dissertation Title: “Geospatial Assessment of Agricultural Drought”.
CGPA: 9.16 (Distinction)
- July 2007–Jul 2009 : Vidyasagar University, West Bengal, India
M.Sc (Full time) in Geoinformatics
M.Sc. Dissertation Title: “Monitoring and Assessment of Coastal Shoreline and Inland Changes Using Remote Sensing and GIS”
1st class
- July 2004-Jun 2007 : University of Calcutta, Kolkata, India
B.Sc Honours (Full time) in Geographical Science
B.Sc project: A geographical appraisal of Jaipur city, India
2nd class
- May 2002-Jun 2004 : (10+2)- **HSC**

West Bengal Council of Higher Secondary Education, India
1st division

Apr 2000-Apr 2002

: 10th- SSC
West Bengal Board of Secondary Education, India
1st division

Certificate Course:

Aug 2011–Dec 2011

: ORANGE Computer Education Centre, Chennai, India
.NET (C#.NET, VB.NET, ASP.NET, ADO.NET)
Aggregate: 'A' grade (Distinction)

Details of Previous Professional Experience:

1. Post-Doctoral Fellow/Research Officer (Academic) (Sep 2021-April 2023)

Queensland Alliance for Agriculture and Food Innovation (QAAFI),
Centre for Crop Science,
The University of Queensland, St. Lucia 4072, Brisbane, Australia

2. Disaster Professional and Sr. Consultant to the Govt. of West Bengal, India (01.05.2017 – 30.11.2018)

(Under NDMA Mission), Govt. of India
Posted at West Bengal State Disaster Management Authority, West Bengal

Working Groups:

Climate Change, Flood Risk Management, Geoinformatics, Capacity Development.

Worked on Preparation of State Disaster Management Plan for West Bengal, conducted Climate change and Crop failure awareness program, Community development through capacity building, Flood & cyclone hazards, vulnerability, and risk analyses for the West Bengal state.

2. Teaching Experience (University level):

Name of the University	Date of joining	Date of leaving	Designation	Nature of work
Central University of Jharkhand, India	31.6.2016	30.4.2017	Assistant Professor - Contract (Geoinformatics)	Full time
Smt. S. R. Patel Engg. College (Gujarat Technological University), Gujarat, India	1/7/2014	13/5/2016	Assistant Professor – Regular (Dept. of Civil Engg.) [Regular pay scale as per UGC 6 th CPC]	Full time
Marwadi University, Gujarat, India	14/1/2012	30/4/2014	Assistant Professor - Regular (Dept. of Civil Engg.) [(Regular pay scale as per UGC 6 th CPC]	Full time

Subjects taught:

B.E./ B.Tech Level (Dept. of Civil Engg.):

- Highway Engg. (5th sem BE), Railway, Bridge & Tunnel Engg (6th sem BE), Urban Transportation System (7th sem), Irrigation and water management (8th sem), Irrigation Engineering (7th sem BE), Building and Town planning (3rd sem), Advanced surveying (4th,BE), Engineering Geology (4th sem B.E.) and Elements of Civil Engg (1st sem BE), Environmental Studies (1st BE), Disaster Management (5th B.E), Application of Geoinformatics in Civil Engg. (7th BE), Disaster Assessment by Using Geospatial Techniques (5th BE) as core civil engg. Subjects according to GTU teaching schemes.

M.Sc and M.Tech Level (Centre for Land Resources Management/Geoinformatics, Central University of Jharkhand):

1. Remote Sensing (Optical, Thermal, Microwave, Hyperspectral), GIS, GPS, Aerial Photogrammetry, Spatial Database analyses and Modelling, DBMS, Web Applications in GIS and Web GIS, Disaster Management.

3. Industrial Experience:

Name of the Industry /Organization	Date of joining	Date of leaving	Designation	Nature of work
Cyberswift Infotech pvt ltd., Kolkata, India	15/1/2010	14/3/2010	GIS Professional	Full time

4. Paid internships

June-July 2011: Summer Research Intern at Indian Institute of Technology, Kharagpur (Dept. of Geology and Geophysics)

Major Projects Executed:

1. Potential of thermal sensing and imaging to aid understanding of water use of wheat genotypes on sodic soils (PI). Funded by GRDC Australia and The University of Queensland. (<https://agriculture.uq.edu.au/project/potential-thermal-sensing-and-imaging-aid-understanding-water-use-wheat-genotypes-sodic-soils>)
2. Improving wheat yields on Sodic, Magnesic, and Dispersive soils (Collaborator). Funded by GRDC Australia
3. CropPhen: Remote Mapping of grain crop type and Phenology (Co PI & collaborator). Funded by GRDC Australia

Software proficiency:

ERDAS Imagine, ENVI, SNAP, Pix4D Mapper, Agisoft Photoscan, Arc Map 10.8, Arc GIS Pro, Geoserver, Statistica, XLSTAT 2020, MATLAB, R studio, Minitab, Unscrambler.

IT and programming skills: MS Office, C, R, Python (beginner)

Students' Project Guided:

More than 5 groups guided (B.E/B.Tech level).

1. Slum Redevelopment Strategies using Geospatial Information of Rajkot city as per RAYs guidelines
2. Highway Pavements fabrication and maintenance with industrial bi products and mix design.
3. Disaster risk management by using geospatial techniques and conceptual and logical framework.
4. High inflow mitigation and Storm water drainage hydraulic design and with the application of Remote Sensing and GIS over Mehsana city, Gujarat, India
5. Geospatial technologies and Stochastic process for Meteorological Drought Assessment and prediction over kutch, India.
6. Soil salinity and Land capability assessment and mapping by using Geospatial tool.

Expert talk delivered:

1. 'Invited Speaker' in the summer training program on 'Spatial data programming with R, GEE, and Python for natural resource applications' held from 2nd June to 8th June 2022 on virtual mode organized by Department of Geoinformatics, Central University of Jharkhand in association with Indian Society of Geomatics – Ranchi Chapter. (<http://cujisg2022.unaux.com/training/>)

2. 'Keynote Speaker' in the 'International Conference (virtual) on Geospatial Pathways and Big Data Analytics in Natural Resource Applications and Climate Change' held from 16th to 17th June 2022 organized by Department of Geoinformatics, Central University of Jharkhand in association with 'Indian Society of Geomatics – Ranchi Chapter' and 'International Society of Tropical Ecology'. (<http://cujisg2022.unaux.com/contact/>)
3. 'Invited talk' on "Remote Sensing and Geospatial Technology in Precision Agriculture – *When Agriculture Meets Technology*" organized by Plaksha University, Mohali, India on 31/03/2022.
4. 'Invited talk' on "Remote Sensing, Image Processing and Applications" & "UAV Thermal imaging techniques in Agricultural Water Management" - "One week (15th -19th Dec, 2020) GUJCOST Sponsored & DTE Approved Online Short Term Training Program (STTP) on "Application of GIS & Remote Sensing in Civil Engineering" organized by Civil Engineering Department, L. D. College of Engineering – Ahmedabad, Ministry of Technical Education, Govt. of Gujarat, India - Ahmedabad.
5. 'Invited talk' on "Climate Change and Impacts on Agricultural Sector" – three days UNDP and NDMA sponsored training program from 13th-15th September, 2017 held at administrative Training Institute, West Bengal.
6. 'Invited talk' on "Flood Risk Mitigation and Management" – three days UNDP and NDMA sponsored training and capacity development program from 10th-12th October, 2017 held at District Training Institute, South 24 PGS, West Bengal.

Special Activities / Lab Development/ New Course Development etc.

1. Initiated an international journal in SRPEC
2. Organized (coordinator) 2 days national conference "NCIET-2015 and 2016" at SRPEC.
3. Course co-ordinator and subject in-charge of Highway Engg (BE, 5th sem) at MEFGI
4. Highway Engg. Laboratory development at MEFGI
5. Organizing member of Marwadi GATE coaching academy and S.R GATE Academy.
6. Co-ordinator of Departmental NBA accreditation works.
7. New Course Development & Co-ordinator : M.Sc in Urban Geoinformatics, Centre for Land Resource Management, Central University of Jharkhand, India

Other Literary, Cultural or other activities:

1. Event co-ordinator of Sports at SRPEC
2. Event co-ordinator of state level cultural program at SRPEC
3. Event coordinator and jury member of University level technical symposium.

Publications in Peer reviewed international Journals and National / International Conferences / Seminars:

2022:

1. Das, S. (2022). A Review of UHI formation over changing climate and its impacts on Urban Land Use and Environments and Adaptation Measures. *International Journal of Environment and Geoinformatics*, 9(1): 64-73.
2. Potgieter, A.B., Zhao, Y., Nguyen Tien, D., Das, S., Cordevo, C., Mauhika, J., Dang, Y., Chapman, S., and Chenu, K. (2022). Beyond the paddock: Remote mapping of grain crop type and phenology, Grains Research and Development Corporation (GRDC) Update papers, Australia. <https://grdc.com.au/resources-and-publications/grdc-update-papers/tab-content/grdc-update-papers/2022/02/beyond-the-paddock-remote-mapping-of-grain-crop-type-and-phenology>.
3. Roy Choudhury, M., Christopher, J., Das, S., Apan, A., Chapman, S., Menzies, N.W., Mellor, V., and Dang, Y.P., (2022). Detection of Calcium, Magnesium, and Chlorophyll variations of wheat genotypes on sodic soils using hyperspectral red edge parameters, *Environmental Technology and Innovation*, 27, pp. 102469.
4. Das, S., Christopher, J., Roy Choudhury, M., Apan, A., Chapman, S., Menzies, N.W., Dang, Y.P. (2022). Evaluation of drought tolerance of wheat genotypes in rain-fed sodic soil environments using high-resolution UAV remote sensing techniques, *Biosystems Engineering*, 217, pp. 68-82.
5. Sumanta Das, Sean Reynolds Massey-Reed, Jenny Mahuika, James Watson, Celso Cordova, Loren Otto, Yan Zhao, Scott Chapman, Barbara George-Jaeggli, David Jordan, Graeme L. Hammer, Andries B. Potgieter (2022, Accepted). A high-throughput phenotyping pipeline for rapid evaluation of morphological and physiological crop traits across large fields, *IEEE International Geoscience and Remote Sensing Symposium 2022 (IGARSS)*, Kuala Lumpur, Malaysia, 17 - 22 July 2022, Piscataway, NJ, United States: IEEE.
6. 2 more papers are under preparation at a time.

2021:

1. Das, S., Christopher, J., Apan, A., Roy Choudhury, M., Chapman, S., Menzies, N.W., Dang, Y.P., 2021. UAV-Thermal imaging and agglomerative hierarchical clustering techniques to evaluate and rank physiological performance of wheat genotypes on sodic soil, *ISPRS Journal of Photogrammetry and Remote Sensing*, 173, pp. 221-237.
2. Das, S., Christopher, J., Apan, A., Choudhury, M. R., Chapman, S., Menzies, N. W., and Dang, Y. P., 2021. Evaluation of water status of wheat genotypes to aid prediction of yield on sodic soils using UAV-thermal imaging and machine learning, *Agricultural and Forest Meteorology*, 307, pp. 108477.
3. Roy Choudhury, M., Mellor, V., Das, S., Christopher, J., Apan, A., Chapman, S., Menzies, N. W., and Dang, Y. P., 2021. Improving estimation of in-season crop water use and health of wheat genotypes on sodic soils using spatial interpolation techniques and multi-component metrics, *Agricultural Water Management*, 255, pp. 107007.
4. Das, S., Chapman, S., Christopher, J., Choudhury, M. R., Menzies, N. W., Apan, A., and Dang, Y. P., 2021. UAV-thermal imaging: A technological breakthrough for monitoring and quantifying crop abiotic stress to help sustain productivity on sodic soils – A case review on wheat, *Remote Sensing Applications: Society and Environment*, 23, 100583. <https://doi.org/10.1016/j.rsase.2021.100583>.
5. Roy Choudhury, M., Das, S.*, Christopher, J., Apan, A., Chapman, S., Menzies, N.W., and Dang, Y.P. (2021), Improving biomass and grain yield prediction of wheat genotypes on sodic soil using integrated high resolution multispectral, hyperspectral, 3D point cloud and machine learning techniques, *Remote Sensing* 13(17), 3482. <https://doi.org/10.3390/rs13173482>. *Corresponding author.
6. Das, S., 2021. Thermal imaging to aid understanding water use of wheat genotypes in sodic soils, Paper presented in ‘*Soil Constraints Program Annual Meeting*’, Organized by the Australian Grains Research and Development Corporation (GRDC), 10-11 Feb., Toowoomba, QLD, Australia

2020:

1. Das, S., Christopher, J., Apan, A., Roy Choudhury, M., Chapman, S., Menzies, N.W., Dang, Y.P., 2020. UAV-thermal imaging: A robust technology to evaluate in-field crop water stress and yield variation of wheat genotypes. *IEEE International India Geoscience and Remote Sensing Symposium 2020 (InGARSS 2020)*. IEEE, pp. 138-141.

2018:

1. M R Chaudhury, S. Das, P. Bannerji, A. Pandit, (March 21-22, 2018). Probable Environmental Impact Analysis through Change in Landuse Pattern and Urbanization by Geospatial Techniques, 4th International Seminar on “Population, Urbanization and Environment: Contemporary Issues and Challenges”, Department of Geography, University of Gour Banga.

2016:

1. Sumanta Das, Malini Roy Choudhury (2016). A Geo-Statistical Approach for Crime hot spot Prediction, *International Journal of Criminology and Sociological Theory*, Vol. 9, No. 1, August 2016, 1-11.
2. MR Choudhury and S. Das (2016). Potential Role of Landsat Satellite Data for the Evaluation of Land Surface Temperature and Assessment of Urban Environment, *Environment and Urbanization Asia*, SAGE Publication, 7(1), pp.1-21, DOI: 10.1177/0975425315619721
3. Das S. et al. (2016): Application of Earth Observation Data and Standardized Precipitation Index Based Approach for Meteorological Drought Monitoring, Assessment and Prediction Over Kutch, Gujarat, India, *International Journal of Environment and Geoinformatics* 3 (2), pp. 24-37
4. Sumanta Das, Malini Roy Choudhury, Subhasish Das and M. Nagarajan (2016). Earth Observation and Geospatial Techniques for Soil salinity and Land capability Assessment over Sundarban bay of Bengal Coast, *Geodesy and Cartography*, 65 (2), 163-192. DOI: 10.1515/geocart-2016-0012.
5. Sujay Gandhi, Viral Joshi, Sumanta Das, M R Choudhury (2016). APPLICATION OF EARTH OBSERVATION DATA AND STANDARDIZED PRECIPITATION INDEX BASED APPROACH FOR METEOROLOGICAL DROUGHT MONITORING AND ASSESSMENT OVER KUTCH, GUJARAT, INDIA, *Proceedings of National Conference on Recent Advances in Civil Engineering (RACE2016)*, SVNIT, Surat, India. 5 – 6 March 2016, pp. 39, ISBN: 9789385056819.
6. S. Das et al. (2016). Impact of Climate Change on Retreat of Kafni Glacier in the Himalayas – A Review, *Proceedings of National Conference on Recent Advances in Civil Engineering (RACE2016)*, SVNIT, Surat, India. 5 – 6 March 2016, pp. 37, ISBN: 9789385056819.

2015:

1. Das S, Choudhury MR (2015). A comparative study between traditional method and mix design with industrial Bi-products for the testing and repairing of bituminous pavements. *World J. Civ. Engin. Constr. Technol.* 2(1):042-050.
2. Das S, Choudhury MR (2015). Effectiveness of triaxial geogrid reinforcement for the improvement of CBR strength of natural lateritic gravel soil for rigid pavements. *World J. Civ. Engin. Constr. Technol.* 2(2):051-056.
3. Das S and Choudhury M.R (2015). Earth observation and assessment of land use and land cover dynamics -A case study of Guwahati city, Assam, India, *Int. Journal of Environmental Sciences*, Volume 5, Issue 6, pp.1061- 1077, DOI:10.6088/ijes.2014050100100
4. MR Choudhury and Das S. (2015). An Integrated Geo-Spatial Studies for land capability Assessment of Agricultural Field especially for Paddy cultivation (A Case Study of South 24 Parganas, West Bengal, India, *Asian Journal of Geoinformatics*, 15(2), pp. 22-31.
5. Utkarsh Nigam, Sumanta Das, Malini Roy Choudhury (2015): Overview Of Energy Dissipators And Stilling Basins With Design Aspects Of Hydraulic Jump Type Energy Dissipators, *National Conference on Innovative and Emerging Technology (NCIET-2015)*, 3(1), ISBN 978-81-925650-0-2
6. Patel Aashish, Utkarsh Nigam, S. M. Yadav, Sumanta Das, Patel Dhruv (2015): Spillway Gates Operation using Neural Network based Soft Computing Technique, *National Conference on Innovative and Emerging Technology (NCIET-2015)*, 3(1), ISBN 978-81-925650-0-2
7. Patel Nilesh, Utkarsh, Nigam, S. M. Yadav, Sumanta Das, Patel Gaurang (2015): Dam and Spillway control for Efficient Management of Irrigation and Flooding, *National Conference on Innovative and Emerging Technology (NCIET-2015)*, 3(1), ISBN 978-81-925650-0-2

2014:

1. Das S, Choudhury MR (2014). Rock type classification by image analysis using the quaternion colour extraction model and support vector machine classifier. *J. Oil Gas Coal Engin.* 1(1): 002-009.
2. Das S, Choudhury MR, Shobhana B, Bhakhar K, Vaghela B (2014). Slum redevelopment strategy using GIS based multi-criteria system: A case study of Rajkot, Gujarat, India. *World J. Civ. Engin. Constr. Technol.* 1(1):012-041.
3. Das S, Choudhury MR (2014). An Integrated GIS and Spatial Decision Support System for Market policy, Analysis, Research and Development. *International Journal of Geography and Regional Planning* 1(1): 002-010.
4. Pathak CY, Roy D, Das S (2014). Utilization of fly ash byproduct in synthetic zeolites. *World J. Civ. Engin. Constr. Technol.*, 1(1):002-0011.
5. Agarwal V, Das S (2014). Degradation of Monocrotophos Pesticides Using the Advanced Oxidation Method. *Journal of Environment and Waste Management*, 1(1): 002-010.
6. CY, P., Roy, D., Jadejaz, R. B., Gupta, A., & Das, S. (2014). BIODIVERSITY CONSERVATION TO MITIGATE ENVIRONMENTAL POLLUTION. *Int. J. Agri. Sci. 8c Tech. Vol*, 3(1), 1-8.

2013:

1. S. Das et.al (2013): "Sediment Transport and Island Change Detection: a case study from Sagar Island, West Bengal; *Int. J. Geo Sci. & Tech.*; ISSN- 2321-2144; Vol. 1 (1) ;pp. 41-62
2. S. Das et.al (2013): "Monitoring Shore line and Inland changes by using Multi-Temporal Satellite Data and Risk Assessment: A case study of Ghoramara Island, West Bengal"; *Int. J. Geo Sci. & Tech.*; ISSN- 2321-2144; Vol. 1 (1); pp. 1-20
3. S. Das et.al (2013): "GEOSPATIAL ASSESSMENT OF AGRICULTURAL DROUGHT (A CASE STUDY OF BANKURA DISTRICT, WEST BENGAL)"; *International Journal of Agricultural Science and Research (IJASR)*; ISSN 2250- 0057, Vol. 3, Issue 1, pp.1-28.
4. Sumanta Das and Subhasish Das (2013): "Characterization and Mapping of Inland Wetland over Nadia District, West Bengal"; *Int. J. Geo Sci. & Tech.*; ISSN- 2321-2144; Vol. 1 (2) ;pp. 19-31
5. S. Das et.al (2013): "Integrated Geospatial technologies for soil salinity assessment over south 24 PGS, West Bengal"; *Int. J. Geo Sci. & Tech.*; ISSN- 2321-2144; Vol. 1 (2) ;pp. 41-85

Book/ Chapter Publication

1. Das S, Choudhury M R (2016). Slums and slum redevelopment strategy in India, LAP Publishing, Germany, 1-101.
2. Sumanta Das (2015). Disaster Preparedness and Risk management Frameworks, 1-94
[https://books.google.co.in/books?id=uV_dCwAAQBAJ&pg=PA37&lpg=PA37&dq=disaster+preparedness+and+risk+management+framework+by+sumanta+das&source=bl&ots=dI3oI-nuPd&sig=VVqOYkWaOc0i1aQjHKai7BKmyeA&hl=bn&sa=X&ved=0ahUKEwjw1J730e3ZAhVEq48KHZh9AfsQ6AEIPzAD#v=onepage&q=disaster%20preparedness%20and%20risk%20management%20framework%20by%20sumanta%20das&f=false]

Short-term courses / workshop / seminars attended/conducted:

Type of the Course /Workshop/Symposium etc.	Name of the Course Workshop/Symposium etc.	Sponsoring Agency	Period of the Course	Conducted / Attended
Workshop	GPS awareness program	SRM University	2 days	conducted
FDP	Effective mentoring	MEFGI	2	Attended
FDP	Effective teaching-learning methodology	MEFGI	4	Attended
FDP	Integrated teaching and research	MEFGI	2	Attended
National Conference	NCIET-2015 and 2016	SRPEC	2	Conducted
Training Program	Climate Change and Impacts on Agricultural Sector	NDMA	3 days	Organized and Conducted
Training Program	Flood Risk Mitigation and Management	NDMA	3 days	Organized and Conducted
Consultation workshop	Child centered DRR	UNICEF	1 day	Attended
Consultation workshop	Disaster Risk Informed Programming	UNICEF	2 days	Attended

Membership in professional bodies:

1. Life member of Indian Society of Remote Sensing (ISRS).
2. Life Member and Fellow of Indian Society of Technical Education (ISTE), New Delhi
3. Fellow of International Society of Photogrammetry and Remote Sensing (ISPRS).
4. Member of IEEE-GRSS
5. Life member of India Meteorological Society

Editorial / reviewer recognition:

1. Reviewer at “International Journal of Remote Sensing” [Taylor & Francis].
2. Editor of the “Int. Journal of Geo science and Technology” (Academic and Research publication)
3. Reviewer and Editorial board member of “American Journal of Geographic Information System”
4. Reviewer and Editorial board member of “Geosciences”
5. Reviewer and Editorial board member of “International Journal of Mining Engineering and Mineral Processing”
6. Reviewer and Editorial board member of “Journal of Civil Engineering Research”
7. Editor of “International Journal of Advances in Remote Sensing and GIS”, IPA Publication.
8. Reviewer at “Journal of Remote Sensing Technology” (JRST).
9. Reviewer of “The Egyptian Journal of Remote Sensing and Space Sciences” [Elsevier]
10. Reviewer of “Theoretical and Applied Climatology” [Springer Nature]
11. Reviewer of “Field Crops Research” [Elsevier]
12. Reviewer of “Agricultural and Forest Meteorology” [Elsevier]
13. Reviewer of “ISPRS Journal of Photogrammetry and Remote Sensing” [Elsevier]
14. Reviewer of “Remote Sensing” [MDPI].
15. Reviewer of “Geocarto International” [Taylor & Francis]

16. Reviewer of "Agronomy" [MDPI]
17. Reviewer of "Plant and Soil" [Springer Nature]
18. Reviewer of "Applied Geography" [Elsevier]

Awards:

1. Australian Govt. International RTP award, 2018 for higher degree research at The University of Queensland
2. CAS-TWAS president's Award at Chinese Academy of Sciences, Govt. of China, 2016
3. University of Tasmania, Australia 'Elite' Scholarship for higher degree research, 2015
4. Gandhian Young Technological Innovation Award-2016 for the entitled work "Integrated Stochastic Modelling and Geospatial Technologies for Meteorological Drought Assessment and Prediction"]. Link: <http://gyti.techpedia.in/project-detail/integrated-stochastic-modeling-and-geospatial-technologies-for-meteorological-drought-assessment/5169>
5. Won award certificate from "Jal Sanchay and Jal Vigyan Bhavan, Delhi" for participating "Ist national essay competition on Water resources and climate change".
6. Innovative project award at SRPEC (Gujarat Technological University) for guiding B.E. Civil Engg. student's project on 'high inflow mitigation during heavy rainfall by redesigning the storm water drainage network of unjha city' and 'Integrated Stochastic Modelling and Geospatial Technologies for Meteorological Drought Assessment and Prediction', 2015-2016.

Language Proficiency:

English, Bengali, Hindi

General information

- **Surname, First Name:** DAS SUMANTA
- **Sex:** Male
- **Date and Place of Birth:** 27/06/1986, Kolkata, West Bengal, India
- **Marital Status:** Married
- **Nationality:** Indian
- **Religion:** Hindu
- **Permanent Address:** 448, Vivekananda Park, Narendrapur, N. S. Bose road, Kolkata-700103, West Bengal, India
- **Personal Interest:** Music, Reading books/novels

Personal Statement:

Ability to prioritize, planning skills, well organized, multitasking and assuming responsibilities and duties. Possessing the capacity to cope with failures and trying to learn from past mistakes

I am a workaholic person and love to dedicate myself to the work I'm doing. But at the same time, I forget to keep a balance between other things which I'm trying to improve on.

References:

<p>1. Dr. Yash P. Dang Principal Research Fellow School of Agriculture and Food Sciences The University of Queensland, Australia Email: y.dang@uq.edu.au Ph. +61 427602099</p>	<p>2. Prof. (Dr.) Armando Apan Professor Geographic Information Systems & Remote Sensing School of Civil Engineering and Surveying & Institute for Life Sciences and the Environment University of Southern Queensland, Australia Email: armando.apan@usq.edu.au Ph. +61 746311386</p>	<p>3. Prof. (Dr.) Neal Menzies Emeritus Professor, School of Agriculture and Food Sciences, Faculty of Science. The University of Queensland, Australia Email: n.menzies@uq.edu.au Ph. +61 754601047 +61 733651174</p> <p>Professor and Pro Vice Chancellor (Sciences) Griffith University, Australia Email: n.menzies@griffith.edu.au</p>
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Declaration

I hereby declare that all the information above is complete and true to the best of my knowledge and belief.

Place:

Date:


(SUMANTA DAS)