

Dr. SUPRIYO KUMAR DAS

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BACKGROUND SUMMARY

Result oriented organic biogeochemist and educationist with hands-on experience in various environment-related issues, successful grant and report writing, international publications, teaching, supervision, leader, reliable and flexible team player.

HIGHER EDUCATION

2007	PhD in Biogeochemistry	Stockholm University ¹
2006 ²	Licentiate (M.Phil.) in Biogeochemistry	Stockholm University
2003	M.Tech. in Applied Geology	IIT Roorkee
2000	B.Sc. Geology (Honours)	Presidency College, University of Calcutta

ACADEMIC POSITIONS

June, 2013-present	² UGC-Assistant Professor, Department of Geology, Presidency University
2011-2012	Guest Researcher, School of Natural Sciences, Linnaeus University
2010-2011	Researcher, School of Science and Technology, Örebro University
2008-2010	Postdoctoral Research Fellow, Department of Geographical and Earth Sciences, University of Glasgow
2008 (3 months)	Visiting Researcher, Royal Netherlands Institute for Sea Research
2008 (3 months)	Postdoctoral Researcher, Stockholm University
2005-2007	Project Assistant (part-time), Stockholm University

SCHOLARSHIPS AND FELLOWSHIPS

2008	Postdoctoral Fellowship, Swedish Research Council (768,500 SEK)
2007	EAOG Travel Scholarship (5000 €)
2007	British Council Researcher Exchange Programme (RXP) award (5000£)
2007	Goldschmidt Conference Student Travel Grant (500 €)
2006	K & A Wallenberg's Stiftelse (5,000 SEK)
2005	C.F. Liljevalch J:ors stipendiefond (12,000 SEK)
2002	Junior Research Fellowship (CSIR-UGC), Government of India

CONTESTED GRANTS (Principal Investigator)

2019-22	NCPOR/MoES (2.7612 million INR)
2018-21	Department of Science and Technology (DST), Govt. W.B. (1.7258 million INR)
2017-19	National Centre for Antarctic and Ocean Research (NACOR) (2.068 million INR)
2016-18	Department of Science and Technology (DST) - Japan Society for the Promotion of Science (JSPS) joint project (0.44 million INR)
2014-15	NCAOR (2 million INR)
2014-16	University Grants Commission (UGC) Start-Up Grant (0.6 million INR)
2013-16	Science and Engineering Research Board (SERB) (2.6 million INR)
2012	Swedish Foundation for International Cooperation in Research and Higher Education (STINT) (61,000 SEK)

¹ 2019/2020 Rank: 73 ARWU (Shanghai); 175 (THE); 191 (QS)

² Year of degree issued

³ Recruited under the University Grants Commission's Faculty Recharge Programme (FRP) through a rigorous national level competitive selection process.

- 2011 Helge Ax:Son Johnsons Stiftelse, Swedish Research Council Formas (45,000 SEK)
 2010-2011 Swedish Research Council (Vetenskapsrådet; 813,000 SEK)
 2007 Helge Ax:Son Johnsons Stiftelse (40,000 SEK)
 2003-2007 Stockholm Marine Research Centre (SMF; 50,000 SEK)

CONTESTED GRANTS (Co-PI)

- 2018-19 Promotion of Joint International Research, JSPS (PI: Kohki Yoshida, Shinshu University)

TEACHING**Presidency University (2013-present)****Postgraduate courses**

Petroleum Geology, Coal Geology, Organic Geochemistry, Biogeochemistry, Paleoclimatology, Environmental Geology.

Undergraduate courses

Petroleum Geology, Coal Geology, Fuel Geology, Earth's Surface Processes, Early Earth-Atmosphere and Life (Shared), Man and environment, Geomorphology, Environmental Science (Shared), Essentials of Geology (Shared), Environmental Geochemistry (Shared).

University of Glasgow

- 2009-2010 Employability Level 1 and 2 (UG)
 2009 Environmental Biogeochemistry (UG; Contribution)

Stockholm University

- 2005-2007 Geology Laboratory Instructor (UG)
 Biogeochemistry (UG; contribution)
 Environmental geochemistry (UG; Contribution)

STUDENT EXCURSION AND GEOLOGICAL FIELD WORK

- 2020 Led postgraduate students to field training in Sundarbans and coastal West Bengal
 2019 Led postgraduate students to field training in Rajasthan
 2018 Led postgraduate students to field training in Tamil Nadu and Assam, India.
 2017 Led postgraduate students to field training in Sikkim, India.
 Co-led the third-year undergraduate students to field training in Surat, Gujarat, India.
 2016 Co-led the second-year undergraduate students to field training in Galudih, Jharkhand, India.
 2016 Organised and led final year postgraduate students to geoarchaeological field training in Kanthi, East Medinipur, West Bengal, India.
 2013 Organised and led the first-year postgraduate student excursion to the Central Institute of Mining & Fuel Research (CIMFR) and coalmine under Jamadoba Group of Collieries in Dhanbad, Jharkhand, India.

POSTGRADUATE SUPERVISION**PhD Awarded**

Name	Year	Thesis title	Institute/University	Supervisor	Co-Supervisor
1. Satabdi Misra	2019	Petrographical and Organo-geochemical Studies of Coal and Shale of Raniganj & Barjora Basins, West Bengal India	IIT (ISM) Dhanbad	A.K. Varma	S.K. Das

PhD Registered

Name	Year	Institute/University	Supervisor
1. Pravat Kumar Behera	2018	Presidency University	S.K. Das
2. Subham Chatterjee	2018	Presidency University	S.K. Das

MSc (Thesis) Awarded

Name	Year	Institute/University	Supervisor
7. Avirup Nanda	2020	Presidency University	S.K. Das
6. Arunabha Dey	2019	Presidency University	S.K. Das
5. Sourav Adhya	2019	Presidency University	S.K. Das
4. Mainak Ghosh	2018	Presidency University	S.K. Das
3. Sandip Agrahari	2017	Presidency University	S.K. Das
2. Manashi Hazra	2017	Presidency University	S.K. Das
1. Santanu Ghosh	2016	Presidency University	S.K. Das

MSc (Thesis) Ongoing

Name	Year	Institute/University	Supervisor
1. Abhijeet Chakraborty	2020-present	Presidency University	S.K. Das

Research scholar

Name	Year	Institute/University	Supervisor
4. Rohan Ganguly	2021-present	Presidency University	S.K. Das
3. Madhurima Ganguly	2020-present	Presidency University	S.K. Das
2. Ujan Karmakar	2017-2019	Presidency University	S.K. Das
1. Kankan Mukhopadhyay	2015-2018	Presidency University	S.K. Das

Intern

Name	Year	Institute/University	Supervisor
2. Puja Ghosh	2018	IIT Kharagpur	S.K. Das
1. Ahana Ghosh	2017	University of Calcutta	S.K. Das

ADMINISTRATIVE DUTIES (Presidency University)

2013- Paper setter, examiner and scrutiniser of PG and UG courses.
 2014- Faculty advisor, Student Chapter of the Society of Petroleum Engineers (SPE).
 2015- Committee member, Environmental Science Studies.

CONFERENCE SESSION ORGANISER

- Convener of symposium (Recent scientific methods in coastal and inter-tidal archaeology) at 36th International Geological Congress, New Delhi, India (Cancelled due to COVID-19 pandemic).
- Session co-organiser at JSPS-DST Japan-India Forum for Advanced Study (March 2019), Japan.
- Organising committee member of the National Seminar on Crust, ancient life and mineral resources: Recent researches and future challenges (24-25 Oct 2017) organised by the Department of Geology, Presidency University.
- Organising committee member of the National Seminar on Making of the Indian Continent (7-8 Nov 2014) organised by Department of Geology, Presidency University.

INTERNATIONAL REVIEWER

- Reviewer of the IPCC Sixth Assessment Report (AR6)
- Reviewer of the second draft of the IPCC Special Report on Ocean and Cryosphere in a Changing Climate (SROCC)
- Reviewer, SPE 2017 Regional Student Paper Contest
- Reviewer and panel judge, SPE 2016 Regional Student Paper Contest, ISM Dhanbad.
- Reviewer of grant assessment, Veni Grant, The Netherlands Organisation for Scientific Research (NWO).

NATIONAL REVIEWER

- Member of Evaluation Committee and Domain-expert nominated by Director General, Geological Survey of India (GSI) for 36th IGC abstracts submission from GSI.
- Grant Assessment Reviewer of Science and Engineering Research Board (SERB) and DST, Government of India

PEER REVIEWER

Regularly act as peer reviewer for the Journals:

- Organic Geochemistry
- Applied Geochemistry (Outstanding reviewer 2016)
- Journal of Paleolimnology (Outstanding reviewer 2012)
- Journal of Hydrology
- Radiocarbon
- Journal of Archaeological Science
- International Journal of Environmental Analytical Chemistry
- Environmental Geochemistry
- Journal of Asian Earth Sciences
- Marine and Freshwater Research and Health
- Journal of Hazardous Materials
- Arabian Journal of Geosciences
- Indian Journal of Geosciences

RECENT PUBLICATIONS

Peer-reviewed Articles

*Corresponding author

*h-index: 14***Citations: 480**

20. **Das, S.K.**, Gangopadhyay, K., Ghosh, A., Biswas, O., Bera, S., Ghosh, P., Paruya, D.K., Naskar, N., Mani, D., Kalpana, M.S., Yoshida, K. (2021) Organic geochemical and palaeobotanical reconstruction of a Late Holocene archaeological settlement in coastal eastern India. (Accepted in The Holocene). *Impact factor: 2.353*
19. Ray S., **Das S.K.***, Chatterjee S., Ekblad A., Yoshida K. (2021) Modern analogue and geological evidence of coseismic ground uplift during a 200 years BP earthquake in north Andaman, India. Catena 205, 105471. *Impact factor: 4.333*
18. Anwita, Ghosh S., Varma A.K., **Das S.K.**, Pal D., Solanki G. (2020) Metamorphic transformations of nitrogen functionalities: stabilization of organic nitrogen in anthracite and its effect on $\delta^{15}\text{N}$ parameter. Marine and Petroleum Geology 112: 104090. *Impact factor: 3.538*
Citation: 1
17. Misra S., **Das S.K.***, Varma A. K., Mani D., Kalpana M.S., Ekblad A., Biswas S. (2020) Multi-proxy approach on the hydrocarbon generation perspective of Barjora Basin, India. Marine and Petroleum Geology 112: 104108. *Impact factor: 3.538*
Citation: 4
16. **Das S.K.***, Dutta D., Naskar S., Palchaudhury S., De A., Gayen R. (2018) Revisiting the physiology of the ascent of sap in plants: legendary experiment of Prof. J.C. Bose. Current Science 115: 1451- 1453. *Impact factor: 0.843*
Citation: 0
15. **Das S.K.***, Ghosh S., Isaksson S., Liden K., Dey A. (2018) Organic Residue analysis in archaeological ceramics from Lahuradewa, India: role of contaminants. Current Science 115: 1456-1458. *Impact factor: 0.843*
Citation: 1
14. Misra S., Varma A.K., **Das S.K.**, Mani D., Biswas S. (2018) Thermal controls of lamprophyre sill on hydrocarbon generation outlook of shale beds in Raniganj basin, India. Journal of Natural Gas Science and Engineering 56: 536-548. *Impact factor: 2.803*
Citation: 6
13. Weber M.E., Lantzsch H., Dekens P., **Das S.K.**, Reilly B.T., Martos Y.M., Meyer-Jacob C., Agrahari S., Ekblad A., Titschack J., Holmes B., Wolfgramm P. (2018) 200,000 years of monsoonal history recorded on the lower Bengal Fan - strong response to insolation forcing. Global and Planetary Change 166: 107-119. *Impact factor: 3.982*
Citation: 15
12. **Das S.K.**, Ghosh S., Gangopadhyay K., Ghosh S., Hazra M. (2017) Provenance Study of Ancient Potteries from West Bengal and Tamil Nadu: Application of Major Element Oxides and Trace Element Geochemistry. Man and Environment XLII (2): 11-20. *Impact factor: not available*
Citation: 2
11. Hoshino Y., Poshibaeva A., Meredith W., Snape C., Poshibaev V., Versteegh G., Kuznetsov N., Leider A., van Maldegem L., Neumann M., Naeher S., Modczydlowska M., Tang Q., Xiao S., McKirdy D., **Das S.K.**, Alvaro J., Hallmann C. (2017) Cryogenian evolution of stigmaterol biosynthesis. Science Advances 3: e1700887. *Impact factor: 11.51*
Citation: 39

10. **Das S.K.†**, Routh J., Roychoudhury A.N., Veldhuis M.J.W., Ismail H. (2017) Connecting pigment composition and dissolved trace elements to phytoplankton population in the southern Benguela Upwelling zone (St. Helena Bay). *Journal of Marine Systems* 176:13-23.
Impact factor: 2.539
Citation: 1
9. Mukhopadhyay K., Ghosh A., **Das S.K.**, Show B., Sasikumar P., Ghosh U.C. (2017) Synthesis and characterisation of cerium(IV)-incorporated hydrous iron(III) oxide as an adsorbent for fluoride removal from water. *RSC Advances* 7: 26037-26051.
Impact factor: 3.108
Citation: 20
8. **Das S.K.†**, Routh J., Roychoudhury A.N. (2015) Biogeochemistry of shallow lake sediments: a case study from Verlorenvlei, South Africa. *Current Science* 109:1486-1491.
Impact factor: 0.843
Citation: 1
7. **Das S.K.†**, Bendle J. and Routh J. (2012) Evaluating branched tetraether lipid-based paleotemperature proxies in an urban, hyper-eutrophic and polluted lake in South Africa. *Organic Geochemistry* 53: 45-51.
Impact factor: 3.081
Citation: 11
6. **Das S.K.†** and Chakrapani G.J. (2011) Assessment of trace metal toxicity in soils of Raniganj Coalfield, India. *Environmental Monitoring and Assessment* 177: 63-71.
Impact factor: 1.959
Citation: 44
5. **Das S.K.†**, Routh J. and Roychoudhury A.N. (2009) Biomarker evidence of macrophyte and plankton community changes in Zeekoevlei, a shallow lake in South Africa. *Journal of Paleolimnology* 41: 507-521.
Impact factor: 2.017
Citation: 21
4. **Das S.K.†**, Routh J., Roychoudhury A.N., Klump J.V. and Ranjan R.K. (2009) Phosphorus dynamics in shallow eutrophic lakes: an example from Zeekoevlei, South Africa. *Hydrobiologia* 619: 55-66.
Impact factor: 2.056
Citation: 30
3. **Das S.K.†**, Routh J. and Roychoudhury A.N. (2008) Sources and historic changes in polycyclic aromatic hydrocarbon input in a shallow lake, Zeekoevlei, South Africa. *Organic Geochemistry* 39: 1109-1112.
Impact factor: 3.081
Citation: 40
2. **Das S.K.**, Routh J., Roychoudhury A.N. and Klump J.V. (2008) Major and trace element geochemistry in Zeekoevlei, South Africa: A lacustrine record of present and past processes. *Applied Geochemistry* 23: 2496-2511.
Impact factor: 2.581
Citation: 51
1. **Das S.K.**, Routh J., Roychoudhury A.N. and Klump J.V. (2008) Elemental (C, N, H and P) and stable isotope ($\delta^{15}\text{N}$ and $\delta^{13}\text{C}$) signatures in sediments from Zeekoevlei, South Africa: a record of human intervention in the lake. *Journal of Paleolimnology* 39: 349-360.
Impact factor: 2.017
Citation: 59

Under review

2. **Das S.K.**, Ganguly M., Ghosh M., Mani D., M.S. Kalpana, Kumar S., (2021) Role of tectonic activities on kerogen maturity and carbon stable isotope signature of coal. (Under review in Journal of Earth System Science).
1. **Das, S.K.**[‡], Behera, P.K., Ghosh, D., Mani, D., Kalpana, M.S., Ikehara, M. (2021) Organic biogeochemical study of biogenic natural gas generation potential of Bengal Basin sediments in West Bengal, India. (Under review in Journal of Earth System Science).

Conference Proceedings

1. Mukhopadhyay K., Ghosh U.C., **Das S.K.** (2016) Bi-metal oxides Composites and their Pollution Scavenging Properties: A glimpse. Conference Proceedings, 3rd National Conference on Water, Environment and Society, Hyderabad, India.

Book chapters/Reports

9. **Das S.K.**, Gupta N.S. (2020) Early life on the summary account of the records of life from the Proterozoic sedimentary basins. In: Geodynamics of the Indian Plate: Evolutionary Perspectives (Eds. Gupta N.S., Tandon S.K.), Ch 6. Springer Geology, Cham, Switzerland.
8. **Das S.K.**, Karmakar U., Dey A., Agrahari S., Ekblad A. (2020) Carbon Stable Isotope Source Signature of Bulk Organic Matter in Middle Bengal Fan Sediment Collected During IODP Expedition 354. In: Dynamics of the Earth System: Evolution, Processes and Interactions, Contributions from Scientific Ocean Drilling (Eds. Pandey D.K., Ravichandran, M., Nair, N.) Springer Nature, Cham, Switzerland.
7. France-Lanord C., Spiess V., Schwenk T., Klaus A., Adhikari R.R., Adhikari S.K., Bahk J.J., Baxter A.T., Cruz J.W., **Das S.K.**, Dekens P., Duleba W., Fox L.R., Galy A., Galy V., Ge J., Gleason J.D., Gyawali B.R., Huyghe P., Jia G., Lantzsche H., Manoj M.C., Martin Y.M., Meynadier L., Najman Y.M.R., Nakajima A., Ponton C., Reilly B.T., Rogers K.G., Savian J.F., Selkin P.A., Weber M.E., Williams T., Yoshida K. (2016). Expedition 354 Summary. International Ocean Discovery Program, 354: College Station, TX. *Citation: 25*
6. France-Lanord C., Spiess V., Schwenk T., Klaus A., Adhikari R.R., Adhikari S.K., Bahk J.J., Baxter A.T., Cruz J.W., **Das S.K.**, Dekens P., Duleba W., Fox L.R., Galy A., Galy V., Ge J., Gleason J.D., Gyawali B.R., Huyghe P., Jia G., Lantzsche H., Manoj M.C., Martin Y.M., Meynadier L., Najman Y.M.R., Nakajima A., Ponton C., Reilly B.T., Rogers K.G., Savian J.F., Selkin P.A., Weber M.E., Williams T., Yoshida K. (2016). Expedition 354 methods. International Ocean Discovery Program, 354: College Station, TX. *Citation: 23*
5. France-Lanord C., Spiess V., Schwenk T., Klaus A., Adhikari R.R., Adhikari S.K., Bahk J.J., Baxter A.T., Cruz J.W., **Das S.K.**, Dekens P., Duleba W., Fox L.R., Galy A., Galy V., Ge J., Gleason J.D., Gyawali B.R., Huyghe P., Jia G., Lantzsche H., Manoj M.C., Martin Y.M., Meynadier L., Najman Y.M.R., Nakajima A., Ponton C., Reilly B.T., Rogers K.G., Savian J.F., Selkin P.A., Weber M.E., Williams T., Yoshida K. (2016) Bengal Fan. Site U1452. Proceedings of the International Ocean Discovery Program, 354: College Station, TX. *Citation: 14*
4. France-Lanord C., Spiess V., Schwenk T., Klaus A., Adhikari R.R., Adhikari S.K., Bahk J.J., Baxter A.T., Cruz J.W., **Das S.K.**, Dekens P., Duleba W., Fox L.R., Galy A., Galy V., Ge J., Gleason J.D., Gyawali B.R., Huyghe P., Jia G., Lantzsche H., Manoj M.C., Martin Y.M., Meynadier L., Najman Y.M.R., Nakajima A., Ponton C., Reilly B.T., Rogers K.G., Savian J.F., Selkin P.A., Weber M.E., Williams T., Yoshida K. (2016) Bengal Fan. Site U1451. Proceedings of the International Ocean Discovery Program, 354: College Station, TX. *Citation: 21*

3. France-Lanord C., Spiess V., Schwenk T., Klaus A., Adhikari R.R., Adhikari S.K., Bahk J.J., Baxter A.T., Cruz J.W., **Das S.K.**, Dekens P., Duleba W., Fox L.R., Galy A., Galy V., Ge J., Gleason J.D., Gyawali B.R., Huyghe P., Jia G., Lantzsich H., Manoj M.C., Martin Y.M., Meynadier L., Najman Y.M.R., Nakajima A., Ponton C., Reilly B.T., Rogers K.G., Savian J.F., Selkin P.A., Weber M.E., Williams T., Yoshida K. (2016) Bengal Fan. Proceedings of the International Ocean Discovery Program, 354: College Station, TX.
2. Contributor in Tarbuck E.J. (2016) Earth: an introduction to physical geology (Eds. E.J. Tarbuck E.J. and Lutgens F.K.) Earth - An Introduction to Physical Geology, Twelfth edition, Pearson Education.
1. France-Lanord C., Spiess V., Schwenk T., Klaus A., Adhikari R.R., Adhikari S.K., Bahk J.J., Baxter A.T., Cruz J.W., **Das S.K.**, Dekens P., Duleba W., Fox L.R., Galy A., Galy V., Ge J., Gleason J.D., Gyawali B.R., Huyghe P., Jia G., Lantzsich H., Manoj M.C., Martin Y.M., Meynadier L., Najman Y.M.R., Nakajima A., Ponton C., Reilly B.T., Rogers K.G., Savian J.F., Selkin P.A., Weber M.E., Williams T., Yoshida K. (2015) Neogene and late Paleogene record of Himalayan orogeny and climate: A transect across the Middle Bengal Fan. Integrated Ocean Drilling Program: Preliminary Reports, IODP-MI, 354, 1-46. *Citation: 24*

Non-peer-reviewed Articles

1. **Das S.K.** (2009) Sedimentary archive of palaeolimnological record from lakes of Western Cape, South Africa. SIL News 54 (Invited author).

Participation, Presentation and contribution to symposia

55. Chatterjee, S., **Das, S.K.** (2021) Unusual *n*-alkane distributions and concentrations in algal organic matter from the Larsemann Hills, Antarctica. CBPW2020, Sacel, Romania.
54. Ray S.K., Chatterjee S., **Das S.K.**, Yoshida K. (2021) Mass mortality of mangroves in North Andaman Island due to coseismic ground uplift related to the 2004 Sumatra-Andaman earthquake. 36th International Geological Congress (IGC), New Delhi, India.
53. Chatterjee S., **Das S.K.**, Stojanovic K. (2021) Stable isotope signature of Lake Vlasina sediments. 36th IGC, New Delhi, India.
52. Das S.K., Behera P., Ghosh D., Ikehara M. (2021) Biogenic Gas Potential in Bengal Basin. 36th IGC, New Delhi, India.
51. **Das S.K.**, Nanda A., Behera P., Ikehara M., Gaillard M.J. (2021) Tracking changes in peatland formation using *n*-alkane. 36th IGC, New Delhi, India.
50. Ghosh M., **Das S.K.**, Mani D., Kalpana M.S. (2021) Influence of tectonic activities on organic geochemical signatures of coal. 36th IGC, New Delhi, India.
49. **Das S.K.**, Chatterjee S., Behera P., Ikehara M. (2021) *n*-Alkane signature of organic matter in Larsemann Hills, East Antarctica. 36th IGC, New Delhi, India.
48. Chakraborty A., Chatterjee S., **Das S.K.**, Palchaudhury S., Ganguly M. (2020) Trace elements in algae: a comparative study. Goldschmidt conference Virtual, 21-26 June
47. **Das S.K.**, Karmakar U., Mani D., Kalpana M.S., Ekblad A., Ikehara M. (2019) Pleistocene stable nitrogen isotope ($\delta^{15}\text{N}$) record of marine biogeochemical response to climate forcing in the Bay of Bengal. JSPS-DST Japan-India Forum for Advanced Study, 7 -16 March, 2019, Nagoya and Niigata Universities, Japan.
46. Weber M.E., Reilly B.T., Dekens P.S., Lantzsich H., **Das S.K.**, Martos Y.M., Selkin, P. (2019) Late Pleistocene Monsoon History of the lower Bengal Fan (IODP Expedition 354). Conference: 20th Congress of the International Union for Quaternary Research (INQUA), Dublin, Ireland.

45. **Das S.K.** (2018) Reconstruction of paleoseismic record in Andaman Basin using lipid biomarker. IODP Proposal Nurturing Workshop - SPADE, 17-18 September 2018, NCAOR, Goa, India.
44. Weber M.E., Lantzsch H., Reilly B.T., Dekens P., **Das S.K.**, Martos Y.M., Williams T. (2017) Paleoclimate reconstruction on the Lower Bengal Fan for the last 200 ka - implications for monsoonal development. AGU Fall Meeting, San Francisco, USA.
43. Holmes B., Dekens P., Weber M.E., Lantzsch H., Reilly B.T., **Das S.K.**, Martos Y.M., Williams T. (2017) Reconstructing the Glacial Cycle of the last 150 ka in the Southern Bay of Bengal. AGU Fall Meeting, San Francisco, USA.
42. Weber M.E., Dekens P.S., Reilly B.T., Lantzsch H., Selkin P.A., **Das S.K.**, Williams T., Martin Martos Y., Adhikari R.R., Gyawali B.R., Jia G., Fox L.R., Ge J., Manoj M.C., Savian J.F., Meynadier L. (2017) Late Quaternary chronology of the Lower Bengal Fan (IODP Expedition 354) - paleoclimate implications. 27th Goldschmidt conference, Paris, France.
41. Doković N., Mitrović D., **Das S.K.**, Ekblad A., Zivotić D., Stojanović K. (2016) Application of $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ as Isotopic Proxies in Organic Geochemical Study of Lignite. 17th European Meeting on Environmental Chemistry. Inverness, Scotland, UK.
40. Weber M.E., Dekens P.S., Reilly B.T., Williams T., Adhikari S.K., Selkin P.A., Lantzsch H., Meynadier L., Savian J.F., **Das S.K.**, Adhikari R.R., Gyawali B.R., Jia G., Fox L.R., Ge J., Martin Y.M., Manoj M.C., Bahk J., Yoshida K., Ponton C., Huyghe P., Spiess V., France-Lanord C., and IODP Expedition 354 scientists (2016) Reconstructing the evolution of the Bengal Fan with the aid of physical and optical properties. IODP/ICDP Colloquium 2016, Heidelberg Center for the Environment, Heidelberg University, Heidelberg, Germany.
39. Huyghe P., France-Lanord C., and IODP Expedition 354 scientists (2016) Contribution of Clay mineralogy of Bengal Fan deposits at 8°N for understanding of Himalayan provenance and environmental conditions. Geophysical Research Abstracts, Vol. 18, EGU General Assembly.
38. Spiess V., Tilmann S., Fenna B., France-Lanord C., Adam K., and the IODP Expedition 354 Scientific Team (2016) Evolution of the Middle Bengal Fan at 8°N in the Oligocene to Pliocene -Preliminary Results from IODP Expedition 354. Geophysical Research Abstracts, Vol. 18, EGU2016-15473, EGU General Assembly.
37. Tilmann S., Spiess V., Fenna B., France-Lanord C., Klaus A., and the IODP Exp. 354 scientific party Team (2016) Refining the Bengal Fan stratigraphy - A first correlation of IODP Expedition 354 results and seismic data from the Bay of Bengal. Geophysical Research Abstracts, Vol. 18, EGU2016-12334, EGU General Assembly.
36. Galy A., France-Lanord C., Spiess V., Klaus A., and IODP Expedition 354 Scientists (2016) Pore-water chemistry of the deep sea fan in the Bay of Bengal sampled by IODP Expedition 354. Geophysical Research Abstracts, Vol. 18, EGU General Assembly.
35. France-Lanord C., Spiess V., Galy A., Galy V., Huyghe P., Klaus A., and IODP Expedition 354 Scientists (2016) IODP Expedition 354: a Neogene record of Himalayan erosion. Implications on the carbon cycle. Geophysical Research Abstracts, Vol. 18, EGU General Assembly.
34. Bogus K., Fox L., Kendera S., Lenga M., and IODP Expedition 354 Shipboard Science Party (2016) Stable isotopes from Miocene to Pliocene planktonic and benthic foraminifera: preliminary results from IODP Expedition 354 (Bengal Fan). 35th International Geological Congress, Cape Town, South Africa.
33. Huyghe P., Bernert M., van der Beek P., France-Lanord C., Spiess V., Schwenk T., Klaus A., and IODP Expedition 354 Science party (2016) First results on Neogene and Late Paleogene records of Himalayan exhumation from detrital Apatite Fission-Track thermochronology, Middle Bengal Fan (IODP Expedition 354). The 2016 Himalayan-Karakorum-Tibet Workshop, Aussois, France.
32. Gyawali B.R., Takashima R., Nishi H., Cruz J.M., Baxter A.T., France-Lanord C., Spiess V., Schwenk T., Klaus A., and IODP Expedition 354 Science Party (2016) Calcareous nannofossil assemblages and paleoproductivity during the Mid-Pleistocene in Bengal Fan, Indian Ocean (IODP Exp. 354). The 2016 Himalayan-Karakorum-Tibet Workshop, Aussois, France.

31. France-Lanord C., Spiess V., Klaus A., and IODP Expedition 354 Scientists (2016) IODP Expedition 354: a Neogene record of Himalayan erosion. The 2016 Himalayan-Karakorum-Tibet Workshop, Aussois, France.
30. Meynadier L., Savian J., Selkin P., Reilly B., Lartzsch H., Galy A., France-Lanord C., Spiess V., Klaus A., and IODP Expedition 354 Scientific Party (2016) The 2016 Himalayan-Karakorum-Tibet Workshop, Aussois, France.
29. Huyghe P., Bernet, M., van der Beek, P., France-Lanord C., Spiess V., Schwenk T., Klaus A., and IODP Expedition 354 Scientists (2016) First results on Neogene and Late Paleogene records of Himalayan exhumation from detrital Apatite Fission-Track thermochronology, Middle Bengal Fan (IODP Expedition 354). 31th Himalayan-Tibet-Karakorum Workshop, Grenoble.
28. Varma, A.K., Misra, S., **Das, S.K.**, Biswas, S., Ghosh, S. (2016) Paleoenvironmental investigations of coal and shales for hydrocarbon generation potential from Raniganj basin, West Bengal, India. International Commission for Coal and Organic Petrology (ICCP), Houston, USA.
27. Mukhopadhyay, K., Ghosh, U.C., **Das, S.K.** (2016) Bi-metal oxides Composites and their Pollution Scavenging Properties: A glimpse. 3rd National Conference on Water, Environment & Society (NCWES- 2016), Hyderabad, India.
26. Varma, A.K., Misra, S., Chakraborty, S., **Das, S.K.**, Hazra, B., Patil, B.J., Singh, B.D., Biswas, S., Samad, S.K. (2015) Effect of igneous intrusion on hydrocarbon generation behavior of coal seam in Jambad area, Raniganj basin, India. 67th Annual Meeting of the International Committee for Coal and Organic Petrology, Potsdam, Germany.
25. **Das S.K.**, Adhikari R., France-Lanord C., Spiess V., Schwenk T., Klaus A. & IODP Expedition 354 Science party (2015) Characterisation of organic matter to understand methanogenesis in Bengal Fan Sediments. 52nd Annual Convention of Indian Geophysical Union, Goa, India.
24. Varma A.K., Mishra S., **Das S.K.**, et al. (2015) The hydrocarbon generation potential of coal and shale in Raniganj Coal basin, India. National Symposium on "Current Trends In Geochemistry, Exploration and Environment", Hyderabad, India.
23. Reilly B., Selkin P., Meynadier L., Savian J., Spiess V., Stoner J., Weber M., France-Lanord C., Klaus A., IODP Expedition 354 Scientists (2015) Paleomagnetic and Environmental Magnetic Insights into the Middle to Late Pleistocene Stratigraphy of the Middle Bengal Fan, IODP Expedition 354. AGU Fall Meeting, San Francisco, USA.
22. Hazra M., Gangopadhyay K., **Das S.K.** (2015) Geochemical studies of archaeological potteries (fine ware) from coastal India. International Conference on Contemporary Advances of Science and Technology, Banaras Hindu University, Varanasi, India.
21. Gupta H., Agrahari S., **Das S.K.** (2015) Temporal Variation in the Sediment Discharge of the Large Indian Peninsular Rivers and the Influence of Human Activities. International Conference on Contemporary Advances of Science and Technology, Banaras Hindu University, Varanasi, India.
20. Ghosh S., **Das S.K.**, Tripathi S., Basumatary S.K., Ghosh R., Thakur B., Singh M.C., Kushwaha R.A.S., Agrahari S. (2015) Ecological interpretation of stable carbon and nitrogen isotopes ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$) of bulk organic matter in sediments of Lake Loktak, Manipur, India. International Conference on Contemporary Advances of Science and Technology, Banaras Hindu University, Varanasi, India.
19. Huyghe P., France-Lanord C., Spiess V., Schwenk T., Klaus A., IODP Expedition 354 Scientists (2015) First results on Neogene and late Paleogene record of Himalayan orogeny and climate from a transect across the Middle Bengal Fan (IODP Expedition 354). 15th congress of French Sedimentology Society, Chambéry, France.
18. Bahk J.J., France-Lanord C., Spiess V., Schwenk T., Klaus A., IODP Expedition 354 Scientists (2015) Shipboard results on record of Himalayan orogeny and climate across the Middle Bengal Fan (IODP Expedition 354). 8th International Conference on Asian Marine Geology, Jeju, Korea.

17. France-Lanord C., Spiess V., Tilmann S., Klaus A., IODP Expedition 354 Science Party (2015) Expedition 354: Neogene and late Paleogene record of Himalayan orogeny and climate: a transect across the Middle Bengal Fan. *via Oceania Geosciences Society (AOGS) 12th Annual Meeting, Singapore.*
16. Ponton C., Galy V., Galy A., and IODP Expedition 354 Science Party (2015) Wood-rich turbidites in the Bengal Fan: a discovery by IODP expedition. 25th Goldschmidt conference, Prague, Czech Republic.
15. **Das S.K.**, Ghosh S., Nautiyal C.M., Tripathi S., Basumatary S.K., Ghosh R., Thakur B., Singh M.C., Kushwaha R.S. (2014) Palaeoclimate Reconstruction Using Lake Loktak Sediment: A Progress Report. National Conference on Quaternary climate change: new approaches and emerging challenges BSIP, Lucknow, India.
14. **Das S.K.** (2014) Application of Organic Geochemistry in Archaeology. Symposium on Science-Technology and Cultural Heritage Interface (SANDHI) at IIT Kharagpur (**Invited Lecture**).
13. **Das S.K.**, Kushwaha R.A.S. (2013) Biomarker: a novel tool in Earth Sciences. 30th Convention of Indian Association of Sedimentologists, Imphal, India.
12. **Das S.K.**, Ekblad A., Stojanović K., Mikusinska A., Gaillard-Lemdahl M.J., Mitrović D., Cui Q. (2013) Holocene Stable Isotope Record from Stavsåkra Peat (Sweden). 26th International Meeting on Organic Geochemistry (IMOG) Tenerife, Spain.
11. Mitrović D., Đoković N., Stojanović K., **Das S.K.** (2013) Preliminary organic geochemical study of lignites from Smederevsko Pomoravlje field, Kostolac Basin, Serbia. 65th Meeting of International Committee for Coal and Organic Petrology (ICCP), Sosnowiec, Poland.
10. **Das S.K.**, Bendle J. and Routh J. (2011) Branched tetraether lipid derived air temperature and soil pH in lake sediments from Zeekoevlei, South Africa. 25th International Meeting on Organic Geochemistry (IMOG), Interlaken, Switzerland.
9. Bendle J.A., Mossen H., Jamieson R., **Das S.K.**, Quillmann U., Jennings A., Andrews J., Howe J., Cage A.J., Austin W.E.A. (2010) Biomarker reconstructions of marine and terrestrial climate signals from marginal marine environments: new results from high-resolution archives. AGU Fall Meeting, San Francisco, USA.
8. **Das S.K.**, Bendle J.A., Snowball I., Seki O., Zillén Snowball L. and Stanton T. (2009) Biomarkers from varved lake sediments: evidence for the 8.2 ka climate event in Sweden. AGU Fall Meeting, San Francisco, USA.
7. **Das S.K.**, Routh J. and Roychoudhury A.N. (2009) 1000-year sedimentary record of cyanobacterial fluctuation in Verlorenvlei, South Africa. 19th V.M. Goldschmidt conference, Davos, Switzerland.
6. **Das S.K.**, Routh J., Roychoudhury A.N. and Veldhuis M.J.W. (2009) Primary productivity in nearshore waters, a pigment biomarker evidence from Western Cape Province, South Africa. 24th International Meeting on Organic Geochemistry, Bremen, Germany.
5. **Das S.K.**, Routh J. and Roychoudhury A.N. (2008) Elemental geochemistry in Verlorenvlei, South Africa. 33rd International Geological Congress, Oslo, Norway.
4. **Das S.K.**, Routh J. and Roychoudhury A.N. (2007) Human intervention in an Urban Lake Zeekoevlei, South Africa. 23rd International Meeting on Organic Geochemistry, Torquay, UK.
3. **Das S.K.**, Routh J. and Roychoudhury A.N. (2007) Phosphorus sedimentation and release processes in a shallow hypereutrophic lake, Zeekoevlei in South Africa. 3. 17th Annual V.M. Goldschmidt conference, Cologne, Germany.
2. **Das S.K.**, Routh J. and Roychoudhury A.N. (2005) Trace metals in water column and sediments from Zeekoevlei, South Africa. 15th Annual VM Goldschmidt Conference, Moscow, Idaho, USA.
1. **Das S.K.**, Routh J. and Roychoudhury A.N. (2005) Geochemical Study of sediments from Lake Zeekoevlei, South Africa. 8th International Conference on the Biogeochemistry of Trace Elements, Adelaide, Australia.

INVITED PRESENTATIONS (excluding conferences)

- 2017 Kochi Core Center, Japan
- 2017 Department of Geology, Shinshu University, Japan
- 2017 Department of Geoscience, Shimane University, Japan
- 2015 Oil and Natural Gas Corporation (ONGC), Kolkata, India
- 2014 Schlumberger Asia Services Ltd, Mumbai, India
- 2012 University of Belgrade, Serbia
- 2012 University of Cincinnati, USA
- 2011 Royal Netherlands Institute for Sea Research (NIOZ)
- 2011 Manipur University, Department of Earth Sciences, India
- 2011 Karlstad University, Sweden
- 2010 Trinity College Dublin, Ireland

SELECTED SAMPLING CAMPAIGNS AND CRUISE PARTICIPATION

1. Member of 38-Indian Scientific Expedition to Antarctica (December 2018-February 2019).
2. Participated in the International Ocean Discovery Program (IODP) Bengal Fan Expedition 354 as an Organic Geochemist in spring (30 Jan-31 Mar) 2015 (1440 hours).
3. Sampled 1.5-metre long sediment cores from Lake Loktak (Imphal, India) using an improvised split spoon sampler in 2013.
4. Sediment (using grab sampler) and water sampling from Lake Vlasina, Serbia in 2012.
5. Sampled lignite and associated Paleocene-Eocene deposits at Pranandhra Lignite mine in Kutch, Gujarat, India.
6. Sampled Neoproterozoic successions in northern India (Jammu and Kashmir, Himachal Pradesh and Uttarakhand) in collaboration with Max Planck Institute of Biogeochemistry.
7. Sediment and water sampling from Lake Zeekoevlei, Lake Verlorenvlei, Olifant and Berg Rivers, and St Helena Bay in South Africa in 2004 by using a small boat and with the help of divers.
8. Participated in FRS Africana research cruise in 2004 in collaboration with Marine and Coastal Management (MCM), South Africa, for collecting water samples using CTD from St. Helena Bay for nutrient and biomarker analysis in particulate organic matter (336 hours).

LABORATORY EXPERIENCE

- Presidency University (2013-present): Leader, Organic Biogeochemistry Unit.
- Örebro University (2010-2012): GC-MS analysis of soil derived lipids and EA-IRMS analysis of stable carbon and nitrogen isotopes.
- University of Glasgow and Scottish Universities Environmental Research Centre (SUERC; 2008-2010): GC-MS analysis of lipids, LC-MS analysis of tetraether lipids.
- Royal Netherlands Institute for Sea Research (2008): Pigment biomarker analysis in marine and estuarine particulate organic matter using HPLC.
- Uppsala University (2005): Sulphur speciation in lake sediments.
- Marine and Coastal Management, South Africa (2004): Geochemical analyses of estuarine, lake and marine samples using CHNS analyser.
- University of Cape Town (2003-04): Trace and major element analyses using ICP-MS and IC, respectively.
- Stockholm University (2003-07): Organic geochemical analysis using GC-MS and TOC analyser.

PROFESSIONAL TRAINING

- GC-MS Software Operation, Agilent Technologies, London, UK
- Various data processing and statistical software (PHREEQC, Minitab, XLSTAT)

INSTRUMENTS OPERATED

LC-MS (Shimadzu), GC-IRMS (Nu Instruments), GC-MS (Agilent, Shimadzu), GC-FID (Shimadzu), HPLC (Waters), TOC analyser (Shimadzu), IC (Dionex), ICP-MS (Perkin-Elmer SCIEX), AAS (Varian).

WORKSHOPS ATTENDED

- Indo-French Workshop for Academic-Industry Partnership on Clean and Renewable Energies at Taj Bengal, Kolkata on 3 October 2018.
- Initiative towards IODP Workshop - SPADE (Scientific Proposals for Andaman Drilling Endeavour) at NCAOR, Goa on 17 and 18 September 2018.

STAFF DEVELOPMENT COURSE TAKEN***Presidency University***

- Pre-Antarctic snow ice acclimatisation training for the members of 38th Indian Scientific Expedition to Antarctica at ITBP Training Centre in Auli and Badrinath, India.
- Refresher Course on Disaster Management & Environment (3 weeks), 2017, UGC-HRDC, Jadavpur University, Kolkata.
- 63rd Orientation Program (4 weeks), 2016, UGC-HRDC, Jadavpur University, Kolkata.
- S.U.M.O, The Art of Being Brilliant, 2016, British Council, Kolkata
- Schlumberger Academia Connect Programme 2014 (4 weeks), Mumbai

University of Glasgow:

- Winning Research Income
- Supervisory Skills for Research Staff
- First Aid and Fire Safety Workshops
- Planning and Managing a Research Project
- Making Presentations at Conferences
- Building Effective Research Collaborations

Stockholm University:

- Media Training, Bert Bolin Centre for Climate research (BBCC)
- University Pedagogy in Theory and Practice, Part 1

RECENT AND CURRENT COLLABORATIONS

Prof Minoru Ikehara, Kochi University, Japan

Dr Kaushik Gangopadhyay, University of Calcutta, India

Dr Kohki Yoshida, Shinshu University, Japan

Prof Alf Ekblad, Örebro University, Sweden

Dr Sven Isaksson & Prof. Kerstin Lidén, Stockholm University, Sweden

Dr Christian Hallmann, Max Planck Institute for Biogeochemistry, Germany

Dr Ksenija Stojanović, University of Belgrade, Serbia

Prof. Marie-José Gaillard, Linnaeus University, Sweden

Directorate of the U.P. State Archaeology, India

PROFESSIONAL ACTIVITIES & HONOURS

Member: Society of Petroleum Engineers (2014-), European Association of Organic Geochemists (2014-16), Society of Sedimentary Geology (2013-14), Swedish Association of Scientists (2005-

2012), Geochemical Society (2007-2012), AGU (2009-2012), EGU (2007, 2011), International Medical Geology Association (2006-2010), International Association of Geochemistry (2007), International Society for the Biogeochemistry of Trace Elements (2006-07).

Qualified University Grants Commission (UGC) National Eligibility Test (NET) for Lectureship (2002) and was awarded National Scholarship by Government of India (1995-96; ranked 73 in the merit list).