Dr. Koushik Dutta

SACT 1 (State Aided College Teacher – Category I)
M.B.A. (Tourism), M.Sc. (Environmental Science), M.Phil. (Environmental Science)
PhD (Environmental Science); F.I.S.C.A.
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Overview:
Dr Koushik Dutta is an academician having more than six years of teaching experience in the current organisation. He is a nature lover and an environmentalist. His area of research includes (but not limited to) limnology, bioremediation, pedology, ecotoxicology, sustainable development, ecotourism, pollution (water, soil & air) monitoring and control, waste management *etc. He has authored many research papers and articles to his credit and also is an editorial board member of many journals of national and international repute. He has received several national and international awards and also an active member of many scientific organisations. He has presented many research papers in several national and international seminars, conferences, symposiums etc.*

Date of appointment to the present job:
28th November 2013

Academic background:
He passed secondary and higher secondary examination with first division under W.B.B.S.E. and W.B.C.H.S.E. respectively from Andal high school, Andal, W.B. He graduated from Trivenidevi Bhalotia College of Raniganj, W.B., (affiliated to The University of Burdwan) with honours in Zoology in second class. Thereafter he completed M.B.A. (Tourism) from the Department of Business Administration of The University of Burdwan and obtained first class. Then he completed M.Sc. and M.Phil in Environmental Science from the Department of Environmental Science of The University of Burdwan and also achieved second position in M.Phil examination. Moreover, he completed Ph.D. in Environmental Science from the Department of Environmental Science of The University of Burdwan in 2014.

Information about M Phil/Ph D etc.:

- **PhD Topic:** Impact of chromite contamination in the ground water, surface water, and bottom sediment of Damsal nala of Sukinda valley region in Odisha.
  (Web link: https://drive.google.com/file/d/15t2Is0i037tccimKiMYi0dkYWdMNjtOE/view?usp=sharing)
- **M.Phil Topic:** *Chromite mining: A threat to the aquatic environment of Sukinda valley region in Orissa.*
  (Web link: https://drive.google.com/file/d/1F48uduxkuqYMXK95jDkGfMNeo1NEdl2L/view?usp=sharing)

Area of present academic/ Research interest/ Research Projects & Schemes and Collaborations:

- **Research interest:** Pollution monitoring and control, EIA (Environmental Impact Assessment), ecotourism, sustainable development, heavy metal toxicity.
  (Web link: https://scholar.google.co.in/citations?user=DRxnypgAAAAJ&hl=en)

Publications:

- Dutta K. and Ghosh A.R.. 2011. Physicochemical analysis of waste water coming from different chromite mines in Sukinda Valley Region, Odisha and its management. Proceedings of the 2nd International Conference on Sustainable Waste Management. ISWMAW, Kolkata, pp. 355-358, ISBN: 81-86862-41-2.
  (Weblink:
  https://www.academia.edu/27176493/Physicochemical_Analysis_of_Waste_Water_coming_from_Different_Chromite_Mines_in_Sukinda_Valley_Region_Odisha_and_its_Management)
- Dutta K. 2012. Tourism Vis-à-vis Safe Environment. Proceedings of the National Seminar on Changing Society, Culture and Its Impacts on People, pp. 39-45, ISBN: 978-81-909878-9-9.
  (Web link: https://drive.google.com/file/d/1mpz8bN_JFrWQrQ4fnGL9pwQUk2nPIX7z/view?usp=sharing)
- Dutta K. and Ghosh A.R. 2012. Comparative study of physicochemical parameters and heavy metals of some groundwater sources from Sukinda Valley Region in Odisha. *The Ecoscan*, Vol. 1: 155-160, ISSN: 0974-0376.
  (Web link: http://theecoscan.in/journalpdf/spl2012_v1-27%20koushik%20dutta.pdf)

- Dutta K. and Ghosh A.R. 2013. Limnological status and bioconcentration of some heavy metals in Damsal nala of Sukinda Valley Region in Odisha and consequent histopathological lesions observed in liver and kidney of air-breathing fish *Channa* sp. *The Ecoscan*, Vol. 3: 191-197, ISSN: 0974-0376.
  (Web link: http://www.theecoscan.in/JournalPDF/Spl2013_v3-26%20KOUSHIK%20DUTTA.pdf)
- Dutta K. and Ghosh A.R. 2013. Comparative study on limnological parameters and bioconcentrations of heavy metals in an air-breathing carnivorous teleostean fish, *Gaducia* sp. of the upstream and downstream regions of Damsalnala in Sukinda Valley Region, Odisha. *International Journal of Environmental Sciences*, Vol. 3(6): 1831-1840, ISSN: 0976-4402, doi: 10.6088/ijes.2013030600004.
  (Web link: http://www.ipublishing.co.in/ijesarticles/thirteen/articles/volthree/EIJES31182.pdf)
- Dutta K. and Ghosh A.R. 2013. Analysis of physico-chemical characteristics and metals in water sources of chromite mining in Sukinda Valley, Odisha, India. *Journal of Environmental Biology*, Vol. 34(3): 783-788, ISSN: 0254-8704.
  (Web link: http://www.jeb.co.in/journal_issues/201307_jul13/paper_18.pdf)
- Dutta K. 2015. Impact of Mining on Environment: An Overview. Proceedings of the National Workshop on Challenges and Opportunities for Management of Water Supplies in Rural Areas.COMWRA, pp. 161-163. Key Resource Centre (Ministry of Drinking Water and Sanitation, GOI, New Delhi) Department of Environmental Science and Engineering, ISM, Dhanbad, India.
  (Web link: https://drive.google.com/file/d/1yxPCvWh-3W_fEQ-s_Y_Sd9gCYnqtaCAq/view?usp=sharing)
- Dutta K. 2015. Human Tide: An Environmentally Induced Migration. *Research Journal of Recent Sciences,* Vol. 4. (IVC-2015): 22-24, ISSN: 2277-2502.
  (Web link: http://www.isca.in/rjrs/archive/v4/iIVC-2015/5.ISCA-IVC-2015-08EVS-004.pdf)
- Dutta K. 2015. Chromite Mining: Disbalancing the Aquatic Environment of Sukinda Valley. *Research Journal of Recent Sciences,* Vol. 4. (IYSC-2015): 80-93, ISSN: 2277-2502.
  (Web link: http://www.isca.in/rjrs/archive/v4/iIYSC-2015/15.ISCA-IYSC-2015-8EVS-03.pdf)
- Dutta K. 2015. Chromite Mining: Poisoning the Environment of Sukinda Valley – A Critical Review. *Minenvis Newsletter,* 87(4): 01-03, ISSN: 0972-4648.
  (Web link: https://drive.google.com/file/d/0B-O3n2JHFKGMMGoyN2tteGd0bTQ/view)
- Dutta K. and Ghosh A.R. 2016. Comparative Study on Bioaccumulation and Translocation of Heavy Metals in some Native Plant Species along the Bank of Chromite Contaminated Damsal Nala of Sukinda Valley, Odisha, India. *Internationa*l *Research Journal of Biological Sciences,* Vol. 5(7): 32-52, E-ISSN: 2278-3202.
  (Web link: http://www.isca.in/IJBS/Archive/v5/i7/6.ISCA-IRJBS-2016-087.pdf)
- Dutta K. and Ghosh A.R. 2016. Comparative Study on Phytoplankton Distribution and Bioaccumulation of Heavy Metals in *Microspora* sp. of Chromite Contaminated Damsal Nala of Sukinda Valley, Odisha, India. *Research Journal of Chemical Sciences,* Vol. 6(9): 27-35, E-ISSN: 2231-606X.
  (Web link: http://www.isca.in/rjcs/Archives/v6/i9/5.ISCA-RJCS-2016-199.pdf)
- Dutta K. 2017. Role of Women in Maintaining Environmental Sustainability. Proceedings of the National Conference on Women Empowerment: Challenges and Strategies, pp. 174-180, ISBN: 978-93-82135-68-5.
  (Web link: https://drive.google.com/file/d/1dHvyPSH_z1Cb2KGWdwu4WndiFoXezw5-/view?usp=sharing)
- Dutta K. 2017. Environmental Panorama of Sukinda Valley – a critical study. *International Research Journal of Earth Sciences,* 5(11): 34-37, ISSN: 2321-2527.
  (Web link: http://www.isca.in/EARTH_SCI/Archive/v5/i11/4.ISCA-IRJES-2017-034.pdf)
- Dutta K. and Ghosh A.R. 2018. Contamination and Bioaccumulation of Heavy Metals in Water, Bottom Sediment and Two Teleostean Fish Species of Sukinda Valley, Odisha, India. *Environica*, Proceedings of the 3rd International Conference on Mother Earth: Environmental Crisis & Sustainable Strategies, ICME III, Purba Bardhaman, West Bengal (India), 2: 268-286, ISBN: 978-93-84106-97-3.
  (Web link: https://drive.google.com/file/d/1WRG4X-sAgMs9LsrAVLFmLZefs6ubNkci/view?usp=sharing)
- Dutta K. 2018. Assessment of environmental, health and socio-economic status of a village of Purba Bardhaman, West Bengal, India – A Pilot Study. *Research Journal of Agriculture and Forestry Sciences,* 6(5): 1-6, ISSN: 2320-6063.
  (Web link: http://www.isca.in/AGRI_FORESTRY/Archive/v6/i5/1.ISCA-RJAFS-2018-003.pdf)

Seminars, Webinars and Conferences attended:

- Dutta K. "*Rethinking social change in South Asia amidst COVID-19*." Participation at Kamala Neheru College, New Delhi, India. May 21, 2020.
  (Weblink:https://drive.google.com/file/d/1jjoxZQ1tXrK6FHOz-CwW_-43NnTU5-x/view?usp=sharing)
- Dutta K. "*Living on the Edge with COVID-19*." Participation at Triveni Devi Bhalotia College, Raniganj, WB, India. June 4, 2020.
  (Weblink:
  https://drive.google.com/file/d/1pB158N0jyoz4FXdRFDBVXltQW5mrklj6/view?usp=sharing)
- Dutta K. "*Time for nature.*" Participation at JNU-ENVIS Resource Partner, New Delhi, India. June 5, 2020.
  (Weblink:
  https://drive.google.com/file/d/1HsXVBA9cYpkNJDFayu40qMn5MTTY9zfw/view?usp=sharing)
- Dutta K. "*International symposium on Geoethics*." Participation at Amity University, Gurugram, Haryana, India. June 14, 2020.
  (Weblink:
  https://drive.google.com/file/d/1-H4Ta85lLatiV7d62M-AIGwZ-CV_vMTG/view?usp=sharing)
- Dutta K. "*An incredible journey to Antarctica: The White Continent*." Participation at Haringhata Mahavidyalaya, Subarnapur, Nadia, WB, India. June 14, 2020.
  (Web link:
  https://drive.google.com/file/d/1v767K-a5NLHI3GjrYBnDIzS3O6gMuOZE/view?usp=sharing)

Life Membership

- *[ISCA (Indian Science Congress Association), Kolkata membership number: L20131*
  (Web link: http://www.sciencecongress.nic.in/life_members.php*)]*
- **[***ISCA (International Science Community Association), Indore membership number: Fellow-FC-431*
  (Web link: http://www.isca.in/isca/fellowmember.php*)]*
- *IUCN CEM (Commission on Ecosystem Management) membership*
  (Web link: https://drive.google.com/file/d/1LnWVv4-hlyh1CQ6hedbAVUwt7wuHZyxc/view?usp=sharing)

Awards:

- Received **'Young Scientist'** Award in the **International Conference** entitled "Mother Earth: Save it for future generations" organized by Department of Environmental Science of The University of Burdwan during February 13-15, 2010.
  (Web link:
  https://drive.google.com/file/d/1xqsmV1b96wq4Gw5-xD_1TyGsGTE23PSR/view?usp=sharing)
- Received '**Outstanding Paper Award**' in 1st RSTC-2016 (Bardhaman Division, W. B.) organized by DST, Govt. of W. B. & Bankura Christian College, Bankura during November 7-8, 2016.
  (Web link: https://drive.google.com/file/d/1roJQ2g-UGmlL8QYcxYBX0WIKLtzN3rbX/view?usp=sharing)
- Received '**Best Pollution Monitor: Air and Water Pollution Award**' under Green Skill Development Programme (GSDP) of the Ministry of Environment, Forest, and Climate Change, Government of India, New Delhi, organised by ADRI (Asian Development Research Institute), Patna in July-August, 2018.
  (Web link: https://drive.google.com/file/d/1EZEFMAYeSkA4xnOK0yFQGpLjtgAbgVI5/view?usp=sharing)

Editorial Board Membership

- *International Research Journal of Environmental Sciences (E-ISSN: 2319-1414)*
  (Web link: http://www.isca.in/IJENS/editorial.php*)*
- *Life Science Archives (LSA) (ISSN: 2454-1354)*
  (Web link: http://www.jpsscientificpublications.com/journals/LSA.php?id=8#*)*