

Honours Awarded

- Elected Fellow of the West Bengal academy of Science and Technology (WAST) in the year 2018 for notable contributions in the field of Ground Water Hydrology.

Papers Published

- **Sikdar, P. K.**, Ghosal, U. and Chakraborty, S., 2018, Groundwater modeling to understand the impact of pumping in the deep late Pleistocene aquifers of the western Bengal Basin on arsenic migration, *Arabian Journal of Geosciences*, vol. 11:795. (DOI: 10.1007/s12517-018-4101-6). Impact factor – 1.141
- McArthur, J.M., **Sikdar, P. K.**, Leng, M. J., Ghosal, U. and I. Sen, 2018, Groundwater Quality beneath an Asian Megacity on a Delta: Kolkata's (Calcutta's) Disappearing Arsenic and Present Manganese. *Environmental Science and Technology*, vol. 50(9), p. 5161-5172. DOI: 10.1021/acs.est.7b04996. Impact Factor 7.149
- **Sikdar, P. K.**, Dey, Sudeshna, S. P. Ghosal, U. and Chakrabarti, S., 2019. Development and management of baseflow of a sand-dominated alluvial aquifer of a large ephemeral river for drinking water supply in semi-arid and fluoride affected areas: the example of the River Mayurakshi, Birbhum District, West Bengal, India, *Journal of the Geological Society of India*, Vol. 94(3), 249–259. DOI: [10.1007/s12594-019-1304-8](https://doi.org/10.1007/s12594-019-1304-8). Impact Factor 0.994
- Basu Dhar, R., Chakraborty, S, Chattopadhyay, R, **Sikdar, P. K.** 2019. Impact of Land-Use/Land-Cover Change on Land Surface Temperature Using Satellite Data: A Case Study of Rajarhat Block, North 3 24-Parganas District, West Bengal, *Journal of the Indian Society of Remote Sensing (Springer)*, Vol. 47(2), 331-348. DOI /10.1007/s12524-019-00939-1. Impact Factor 0.869

Books Edited

- **Sikdar, P. K.**, 2018, *Groundwater Development and Management: Issues and Challenges in South Asia*, Springer, Switzerland, 539p

Chapters in Books

- **Sikdar, P. K.**, 2018. Problems and Challenges for Groundwater Management in South Asia. In: **Sikdar P. K.** (ed) *Groundwater Development and Management: Issues and Challenges in South Asia*. Springer, Switzerland & Capital Publishing Company, India. Chapter 1, p. 1-19.
- **Sikdar, P. K.**, 2018. Numerical Groundwater Modelling. In: **Sikdar P. K.** (ed) *Groundwater Development and Management: Issues and Challenges in South Asia*. Springer, Switzerland & Capital Publishing Company, India. Chapter 7, p. 189-205.
- **Sikdar, P. K.**, 2018. Pumping Test for Aquifers: Analysis and Evaluation. In: **Sikdar P. K.** (ed) *Groundwater Development and Management: Issues and Challenges in South Asia*. Springer, Switzerland & Capital Publishing Company, India. Chapter 11, p. 265-275.
- **Sikdar, P. K.**, Dutta, S., Das, S. Chakraborty, S and Ghosal, G., 2018. Hydrogeological Assessment for Development and Management of Baseflow for Public Water Supply in

Semi-arid and Fluoride Affected Hard Rock Areas. In: Sikdar P. K. (ed) Groundwater Development and Management: Issues and Challenges in South Asia. Springer, Switzerland & Capital Publishing Company, India. Chapter 19, p. 437-464.

- **Sikdar, P. K.**, 2018. Arsenic Pollution of Groundwater in Ganga-Meghna-Brahmaputra Plain. In Compendium of Awardees of Smt. Savitri Chadha Memorial INC-IAH Award, Indian Chapter of International Association of Hydrogeologist (INC of IAH), Faridabad, p. 20-31.
- **Sikdar, P. K.**, 2018. Groundwater Resources, in Status of Environment in West Bengal: Third Citizens' Report. Ed. A. K. Ghosh. ENDEV – A Society for Environment and Development, Kolkata, Chapter 5, p. 46-73.

Participation in Workshop/Seminar/Conference

26 September 2019	International Conference on 'Energy Management for Green Management & Biodiversity Conversation Ecosystem Management (UEM GREEN 2019', 25 - 27 September 2019 organized by University of Engineering and Management, New Town, Kolkata	Auditorium, University of Engineering and Management, New Town, Kolkata	Keynote Speaker Talk: Arsenic Pollution of Groundwater in Bengal Basin
21 September 2019	International Conference on 'Chemical and Environmental Sciences' 19-21 September 2019 organised by Institute of Engineering & Management	CII Auditorium, Institute of Engineering & Management	Session Chairman of the Workshop on 'Water Crisis Management and Water Sustainability'
16-17 September 2019	Indo-German Joint Scientific Workshop on 'Innovative Technologies for Assessment and Mitigation of groundwater contamination (TEC4WATER) organized by Department of Geology, Anna University, Chennai and Freie University,	Koodal Hall, Institute for Ocean Management, Anna University, Chennai	Invited Speaker Talk: Arsenic Pollution of Groundwater in Bengal Basin (16.09.2019)

	Berlin		Chairperson – Technical Session V1: Management Measures (17.09.2019)
9 September 2019	Training on ‘Environmental Geochemistry’ for geoscientists at CHQ, GSI, Kolkata conducted by Geological Survey of India Training Institute, Hyderabad	Coference Hall, Laboratory Building, Geological Survey of India, Kyd Street, Kolkata	Invited Speaker Talk: Environmental management & Environmental Impact Assessment: An Indian Perspective
13-14 August 2019	Global Challenge Research Fund (GCRF) Workshop ‘Water Security on a Gender Continuum: A Focus on Solutions’ funded by GCRFat the University of Kent, UK organized by University of Kent, UK; Freie Universitat Berlin, Germany; University of Connecticut, USA.	Centre for Urban Economics Studies, University of Calcutta	Invited Speaker Talk: Key issues in water security & the role of gender in these issues
13 August 2019	3 rd Prof. S. C. Mukhopadhyay Memorial Lecture organized by Institute of Landscape System And Ecological Studies (ILEE), Dept. of Geography, University of Calcutta	Department of Geography, University of Calcutta	Invited Speaker Talk: Water Resource Management: The Indian Scenario & Strategies for Sustainable Development
11 August 2019	Jal nie Jalpana organized by APDR (Central Committee)	Srimani Market, Bidhan Sarani (First Floor)	Invited Speaker Talk: Global and

			Indian Water Challenges
9 June 2019	International Seminar on 'Environmental Pollution and Awareness- Celebration of World Environment Day 2019 organised by Environmental Studies, Directorate of Distance Education, Rabindra Bharati University and Department of Environmental Studies, Rabindra Bharati University	Directorate of Distance Education Campus (Rabindra Bhavan, Salt Lake), Rabindra Bharati University, Kolkata	Invited Speaker Talk: Arsenic Pollution of Groundwater in Bengal Basin
23-24 May 2019	Global Challenge Research Fund (GCRF) Workshop 'Water Security on a Gender Continuum' followed by a training Workshop on interdisciplinary activist & community driven methods and GIS mapping method organized by University of Kent, UK; Freie Universitat Berlin, Germany; University of Connecticut, USA.	Sibson Seminar Room 1, University of Kent, Canterbury, UK	Invited Panelist Talk: Key issues in water security & the role of gender in these issues