

**Sukanya Das**  
Associate Professor and Head  
Department of Policy and Management Studies  
TERI School of Advanced Studies  
10 Institutional Area, Vasant Kunj  
New Delhi-110070, India

**E-mail Id:** [sukanya.das@terisas.ac.in](mailto:sukanya.das@terisas.ac.in)

**Research Expertise**

Environmental economist with an expertise in application of valuation techniques in diverse areas, economic quantification of health impacts

**Orcid id:** <https://orcid.org/0000-0003-4524-4247>

**Publons:** <https://publons.com/researcher/3355678/sukanya-das/>

**Google Scholar Citations**

<https://scholar.google.co.in/citations?user=h9joyrsAAAAJ&hl=en&oi=ao>

**Researchgate**

[https://www.researchgate.net/profile/Sukanya\\_Das](https://www.researchgate.net/profile/Sukanya_Das)

**Academic qualifications**

University of Calcutta, India	Economics	M.Sc., 2000
University of Kalyani, India	Economics	M.Phil., 2003
Jadavpur University, India	Economics	Ph.D, 2009

**Employment**

October 2021- Till date	Head of the Department, Department of Policy and Management Studies, TERI School of Advanced Studies
July 2020- October 2021	Head of the Department, Department of Policy Studies, TERI School of Advanced Studies
Sep 2015-Till Date	Department of Policy Studies, TERI School of Advanced Studies.
June 2008-Aug 2015	Madras School of Economics, Chennai.

**Ongoing Projects**

Year	Role	Title	Funded by
December 2021	Co-Principal Investigator from TERI SAS	Monitoring Ecological Integrity and its impact on local community in Alaknanda river basin.	DST-SERB

October 2021	Co-Principal Investigator From TERI SAS	Equitably Decarbonizing India's Transportation Sector <a href="https://www.thebritishacademy.ac.uk/programmes/just-transitions/just-transitions-to-decarbonisation-in-the-asia-pacific-region/">https://www.thebritishacademy.ac.uk/programmes/just-transitions/just-transitions-to-decarbonisation-in-the-asia-pacific-region/</a>	The British Academy
September 2020	Indian Partner	SARASWATI 2.0 <a href="https://projectsaraswati2.com/">https://projectsaraswati2.com/</a>	EU-India Horizon 2020. Indian partners funded by DST/DBT

### Completed Projects

From year	Role	Title	Funded by
Nov 2016- 31 <sup>st</sup> July 2020	Team Member	Rejuvenating the Ganga: Investigating the Potential for Decentralized Institutions, Technologies and Governance to Meet the Wastewater Challenge	NSF in collaboration with Auburn University
June-Sep 2019	Co PI	Meta-Analysis for Environmental Damage Assessment	CPCB
Jan 2013- March 2018	P.I (from TERI SAS)	Supporting consolidation, replication and up- scaling of sustainable wastewater treatment and reuse technologies for India (SARASWATI )	DST EU-India Consortium
2015-16	Team Member	Study on Economics of Desertification, Land Degradation and Drought (DLDD) in India	MoEFCC
2014-15	Co-PI	Environmental Cost-Benefit Analysis of NTPC Dadri	NTPC
2013-14	Co-PI	Environmental Cost-Benefit Analysis of NTPC Kawas	NTPC
2013-14	PI	Policy Determinants of Household Economic Development(PDHED)	IDRC, University of Alberta
2010-11	Co-PI	Economy-wide impacts of pollution in India: A meta-analysis	MoEFCC
2009-11	Team Member	Study of India's Textile Exports and Environmental regulations	MoEFCC
2008-2010	Team Member	Trade and Environment	MoEFCC

## **Publications**

### **2022**

1. Raghu, P. T., Veetil, P. C., & Das, S. (2022). Smallholder adaptation to flood risks: Adoption and impact of Swarna-Sub1 in Eastern India. *Environmental Challenges*, 7, 100480.
2. Starkl, M., Brunner, N., Das, S., & Singh, A. (2022). Sustainability Assessment for Wastewater Treatment Systems in Developing Countries. *Water*, 14(2), 241.

### **2021**

3. Tayal, S., & Das, S. (2021). Economic viability of marketing bio-methane: a case study in India to promote circular economy. *Clean Technologies and Environmental Policy*, 1-12.
4. Das, S., Murty, M. N., & Sardana, K. (2021). Using Economic Instruments to Fix the Liability of Polluters in India: Assessment of the Information Required and Identification of Gaps. *Ecology, Economy and Society—the INSEE Journal*, 4(2), 45-64.
5. Tyagi, V. K., Kapoor, A., Arora, P., Banu, J. R., Das, S., Pipes, S., & Kazmi, A. A. (2021). Mechanical-biological treatment of municipal solid waste: Case study of 100 TPD Goa plant, India. *Journal of Environmental Management*, 292, 112741.
6. Dasgupta, D., & Das, S. (2021). Sustainability performance of the Indian cement industry. *Clean Technologies and Environmental Policy*, 23(4), 1375-1383.

### **2020**

7. Suthar, S., Das, S., Nagpure, A., Madhurantakam, C., Tiwari, S. B., Gahlot, P., & Tyagi, V. K. (2020). Epidemiology and diagnosis, environmental resources quality and socio-economic perspectives for COVID-19 pandemic. *Journal of environmental management*, 111700.
8. Dutta, A., & Das, S. (2020). Adoption of grid-connected solar rooftop systems in the state of Jammu and Kashmir: A stakeholder analysis. *Energy Policy*, 140, 111382.

### **2019**

9. Das S., Radhakrishnan K(2019): Multicriteria decision making model of wastewater reuse: a stakeholders' perspective in the context of India, *Desalination and Water Treatment* Vol 165, pp-17-25
10. Chopra, V., & Das, S. (2019). Estimating Willingness to Pay for Wastewater Treatment in

New Delhi: Contingent Valuation Approach., INSEE Journal, Vol 2(2), pp 75-108

11. Gupta S., Das S., Murty M.N.(2019): *Quantifying Air Pollution Vulnerability and its Distributional Consequences: Some Perspectives.*, INSEE Journal., Vol 2(1), pp93-125
12. Radhakrishnan, K., & Das, S. (2019). Application of Stochastic Frontier Production Function in Sugarcane Industry-treated Wastewater Reuse in Agriculture: Case Study of a Coastal District in Tamil Nadu, India. *Arthaniti: Journal of Economic Theory and Practice*, 0976747918825019.

## 2018

13. Bouzit, M, Das S., Cary L., 2018. "Valuing Treated Wastewater and Reuse: Preliminary Implications From a Meta-Analysis." *Water Economics and Policy* 4.02 ; 1650044.
14. Starkl, M., Anthony, J., Aymerich, E., Brunner, N., Chubilleau, C., Das, S., Ghangrekar, M.M., Kazmi, A.A., Philip, L. and Singh, A., 2018. *Interpreting best available technologies more flexibly: A policy perspective for municipal wastewater management in India and other developing countries.* *Environmental Impact Assessment Review*, 71, pp.132-141.
15. Alley K.D., Maurya N., Das S., 2018. *Parameters of Successful Wastewater Reuse in Urban India.* *Indian Politics and Policy Journal*, Vol 1 (2) <https://www.ipsonet.org/publications/open-access/inpp/indian-politics-policy-journal-volume-1-number-2-fall-2018>

## Other years

16. Rahut D.B., Das S., De Groote H., Behara B (2014): *Determinants of Household Energy use in Bhutan*, *Energy*, Volume 69(1), pp 661-672 .
17. Prabhakaran T. R, Das S, S. Bala Ravi B.S., and Oliver King E.D (2012): *Use of Contingent Valuation to Assess Farmer reference for On-farm Conservation of Minor Millets: Case from South India* *Ind. Jn. of Agri. Econ.* Vol.67, No.3, July-Sept. 2012 [http://mpra.ub.uni-muenchen.de/43348/1/MPRA\\_paper\\_43348.pdf](http://mpra.ub.uni-muenchen.de/43348/1/MPRA_paper_43348.pdf)
18. Birol E, Das S (2012): *Valuing the environment in developing countries: Modeling the impact of distrust in public authorities' ability to deliver on the citizens' willingness to pay for improved environmental quality*, *Urban Water Journal* Volume 9, Issue 4, August 2012, pages 249-258
19. Birol E, Das S (2010): 'Estimating the value of improved wastewater treatment: The case of River Ganga, India', *Journal of Environmental Management*, Elsevier vol 91, pp 2163- 2171.
20. Birol E, Das S (2010): *Valuing the environment in developing countries: Modeling the impact of distrust in public authorities' ability to deliver on the citizens' willingness to pay for improved environmental quality*, IFPRI Discussion paper 01043
21. Birol E, Das Sand Bhattacharya R N (2009): 'Estimating the value of improved wastewater treatment: The case of River Ganga, India', Cambridge University Discussion paper series Number 43. <http://ideas.repec.org/s/lnl/wpaper.html>

22. Das S, Birol E and Bhattacharya R.N(2008): *'Informing Efficient and Effective Solid Waste Management in West Bengal, India: The Role of the Choice Experiment Method in Improving Public Health'* Cambridge University Discussion Paper Number 33, <http://ideas.repec.org/s/lnd/wpaper.html>
23. Das S (2005):“*Feasibility of Municipal Wastewater Treatment: An Economic Evaluation*” Artha Beekshan, Vol. 14 (1), pp 78-86.

## Book Chapters

### 2021

1. Das S(forthcoming): Ocean as a repository for waste: An economic assessment of ChennaiCity. In Hazra S (ed) *Blue Economy: South-Asian Perspective*, Springer Nature.
2. Budhiraja, S., Das, S., & Krishnan, B. N. G. (2021). Water Footprint and Virtual Water Tradeof Cash Crops. In *Examining the Intersection of Circular Economy, Forestry, and International Trade* (pp. 174-194). IGI Global.

### 2018

3. Begum Z., Das S. (2018): *Global and Indian Supply Chain of Textiles*. In: Kumar K. (eds) *A Study of India's Textile Exports and Environmental Regulations*. Springer, Singapore
4. Kavi Kumar K.S., Begum Z., Das S. (2018):*Non-tariff Barriers in Textiles: Incidence and Perceptions*. In: Kumar K. (eds) *A Study of India's Textile Exports and Environmental Regulations*. Springer, Singapore.

### Other years

5. Sahu S.K., Das S(2016): *Impact of Agricultural Related Technology Adoption on Poverty: A Study of Select Households in Rural India*, in *Technology- Corporate and Social Dimensions*,pp 141-156, Springer International Publishing Ltd.
6. Das S (2015): *Health impact of water related diseases in developing countries on account of climate change: A systematic review –A study in regard to south Asian countries*, in *Handbook of Research on Climate Change Impact on Health and Environmental Sustainability*, IGI Global, USA.  
<http://www.igi-global.com/book/handbook-research-climate-change-impact/129596>
7. Das S, Prabhakaran T.R., Oliver King E.D (2015): *Assessing Farmer's Willingness to*

*Participate in on-farm conservation of Minor Millets: A case study of Tamil Nadu*, in 'Environment and Development: Essays in Honor of Dr. U. Sankar', Sage Publications, India.

8. Das S and Prasad N(2014) : *An initiative towards curbing the usage of plastic bags in supermarkets: a case study in Chennai* , in Handbook of Waste Management edited by Kinnamann T and K Takeuchi, Edward Elgar Publishing Ltd.[http://www.e-elgar.co.uk/bookentry\\_main.lasso?currency=US&id=14571](http://www.e-elgar.co.uk/bookentry_main.lasso?currency=US&id=14571)
9. Das S, Birol E and Bhattacharya R.(2010): '*Efficient and Effective Solid Waste Management in West Bengal, India: The Role of the Choice Experiment Method in Improving Public Health*' as a book chapter in "*Choice Experiments in Developing Countries: Implementation, Challenges and Policy Implications*" edited by Prof Jeff Bennett and Dr Ekin Birol(Edward Elgar Publishing Ltd).

### **Working Papers**

- i. Chakravarty S; Das; Das S(2021). *Unreliable Public Water Supply and Coping Mechanisms of Low-Income Households in Delhi*, IEG Working paper No: 448,November, 2021.

[doc-221121\\_120848WP448.pdf \(iegindia.in\)](#)

- ii. Sahu S.K., Das S(2015): Impact of Agricultural Related Technology Adoption on Poverty:A Study of Select Households in Rural India, MSE working paper 131
- iii. Balakumar S.,Das S(2015): *Investigating Household Preferences for restoringPallikaranai Marsh*, MSE Working paper 126.
- iv. Prabhakaran T. R, Das S, S. Bala Ravi B.S., and Oliver King E.D (2012):*Assessing Farmer's Willingness to Participate in the On-farm Conservation of Minor Millet usingDirect Compensation Payment*, MSE Working Paper no 73.
- v. Birol E, Das S (2010): "*The Value of Improved Public Services: An application of the Choice Experiment Method to Estimate the Value of Improved Wastewater Treatment Infrastructure in India*" MSE working paper series No 32.

### **Dissemination papers**

1. Das S(2013): *Travel Cost Method for environmental valuation*, Centre for Excellence in Environmental Economics, Madras School of Economics.
2. Das S(2012): *Choice experiments*, Centre for Excellence in Environmental Economics, Madras School of Economics

## News Articles

Dutta A., Das S(2021): Transition Of Solar Power In Jammu And Kashmir, <https://www.indiatimes.com/news/india/transition-of-solar-power-in-jammu-and-kashmir-534658.html>

## Conference Publications/Presentations:

### 2021

1. Dutta A., Das S(2021): “*Energy Transition in Ladakh: A Road Towards Green Hydrogen*”, 6th AIEE Energy Symposium on Energy Security - 2021, in cooperation with the SDA Bocconi School of Management, of Milan, programmed on 14 -16 December 2021 and accepted in World Wind Energy Conference WWEC2021, Powering the World with the Wind and Sun, 24<sup>th</sup>-26<sup>th</sup> November, New Delhi, 2021.
2. Dutta A., Das S(2021): “*Climate Change and its impact on human development*”, 6<sup>th</sup> Northeastern Green Summit, November 2021
3. Jain, D., Sarangi, G., & Das, S. (2021, June). Effects of climate change on electricity demand in India: Case of three climate zones. In *Energy, COVID, and Climate Change, 1st IAEE Online Conference, June 7-9, 2021*. International Association for Energy Economics.
4. Prabhakaran T R., Veettill P.C., Das S(2021): “*Smallholder adaptation to flood risks: Adoption and impact of Swarna-Sub1 in eastern India*”, 31<sup>st</sup> Triennial International Conference of Agricultural Economists (ICAE 2021) organised by the International Association of Agricultural Economics (IAAE) during 17-31 August 2021. DOI: 10.22004/ag.econ.315867

### 2019

5. Dutta A., Das S (2019): “*Adaption of Grid Connected Solar Aaina Dutta and Sukanya Das Rooftop Systems in the State of Jammu and Kashmir: A Stakeholder Analysis*”, 10th INSEE Biennial Conference 6-8 Nov 2019.
6. Das S., Radhakrishnan K. and Bouzit M 2018. “*Assessing the economic viability of alternative option for water management: a case of study of Coimbatore District, Tamil Nadu in Nandan Nawn ., Joy Elamon edited INSEE Sustainability, Institutions, Alternatives; Voices, Policies and Commitments: Conference Proceedings, Delhi, Indian Society for Ecological Economics(INSEE)*”

### 2018

7. Das S(2018): Energy, Environment and Sustainable agriculture, 26<sup>th</sup> November, 2018, National Workshop on Sustainability of Indian Agriculture: Biodiversity, Environmental and Climate Change Perspectives, NASC Complex, New Delhi.
8. Das S(2018): Economic valuation of wastewater treatment, 12<sup>th</sup> March 2018, Department of Land Economy, TU Berlin.
9. Das S(2018): Quantifying Air Pollution Vulnerability and its Distributional Consequences: A Delhi Perspective, March, 2018, 15<sup>th</sup> March IASS Potsdam
10. Das S(2018): Economic Value of Water & Water Pricing (tools and techniques) WAPCOS training programme, 16-22 January, TERI School of Advanced Studies.

## 2017

11. Das S., Radhakrishnan K. and Bouzit M. (2017) Assessing the economic viability of alternative option for water management: a case of study of Coimbatore District, Tamil Nadu. 4<sup>th</sup> Water Research Conference 10-13 September 2017, Waterloo, Ontario Canada.  
<https://www.elsevier.com/events/conferences/water-research-conference/program>
12. Chopra V., Das S(2017): Wastewater Treatment and Community Participation: Contingent Valuation approach, 4<sup>th</sup> Water Research Conference 10-13 September 2017, Waterloo, Ontario Canada. <https://www.elsevier.com/events/conferences/water-research-conference/program>
13. Das S(2017): Health Impact of Water Related Diseases in the context of India and road ahead., IAEA Technical meeting on “Water scarcity, Pollution and Vector Disease in Urban areas” 6-8 June 2017
14. Das S and Karthick R(2017): *Communities preferences for wastewater and reuse in Noyyal river basin* International Conference on the Status and Future of the World's Large Rivers, April 18-21, 2017, New Delhi
15. Das S., Radhakrishnan K(2017): Assessment of Stakeholders' preference on alternative methods in reuse water using Analytical Hierarchy Process (AHP): a case study of Coimbatore district, India, ANZSEE (Australia and New Zealand Society for Ecological Economics) Conference at the University of South Australia, City East Campus, Adelaide, SA from 9 – 13<sup>th</sup> January 2017.
16. Chopra V., Das S(2016): *Addressing the issue of water demand in Delhi: Some alternative options*, IFLA-URBIO 25-27 October, 2016, Panama City, Panama.

## 2016

17. Das S., Madjid B., Cary L(2016): *Evaluating consumer's preference for wastewater treatment: A case study of Tamil Nadu* INSEE 8<sup>th</sup> Biennial Conference on 'Urbanisation and Environment', 4<sup>th</sup>-6<sup>th</sup> Jan 2016.



## 2015

18. Das S(2015): *“Implementation and challenges of applying choice experiment for environmental valuation in Indian context”* in short term course on Sustainable Development Policy and Management, Department of Humanities and Social Sciences, IIT Kanpur, 30<sup>th</sup> Nov-5<sup>th</sup> Dec 2015.
19. Sahu S.K., Das S(2015):*Impact of Agricultural Related Technology Adoption on Poverty and Inequality: A Study of Select Households in Rural India*, presented in the workshop on *“Harnessing Technology for Challenging Inequality”* at Tata Institute of Social Sciences, Mumbai jointly organized with Forum for Global Knowledge Sharing- 7<sup>th</sup> March, 2015
20. Madjid B., Das S., Cary L(2015): *Valuing treated wastewater: A review of applications and issues for further actions*, accepted for International Seminar on Natural Resource and National Accounts in South Asia, 5<sup>th</sup>-6<sup>th</sup> February, 2015, Institute for Social and Economic Change, Bangalore.
21. Vadivelu A., Das S(2015): *"Groundwater Depletion in India –Is the Anarchy being tamed in Punjab and Tamil Nadu?"* accepted for 15<sup>th</sup> Biannual Conference International Association for the Study of the Commons(IASC), 25<sup>th</sup>- 29<sup>th</sup> May, 2015, Edmonton, Alberta.

## 2014

22. Das S(2014): *Economic Dimensions of Environmental Degradation in India* in Training Program on Environmental Fiscal Reforms: International Experience and Relevance for India, , 30<sup>th</sup> Oct-1<sup>st</sup> Nov, 2014, Global Change Programme, Jadavpur University.
23. Das S., Vadivelu A(2014): *Options for Groundwater management in Tamil Nadu: A review of the existing system and way forward*, accepted for IAAE Inter-Conference Symposium, October 12<sup>th</sup> -13<sup>th</sup> , 2014, Hyderabad, India.

## 2013

24. Das S(2013): *Status of Environmental Degradation in India*, Training Program on Environmental Fiscal Reforms: International Experience and Relevance for India, Department of Commerce, Tripura University, Agartala, 6, 7 and 8<sup>th</sup> November 2013
25. Starkl M., Brunner N ., Das S(2013): *A model for matching beneficiaries and financiers: the case of cooperation for wastewater infrastructure provision in India*, accepted for Stockholm World Water Week , September, 2013
26. Das S(2013):*Methodology adopted and results for air pollution in regard to the study - Economy-wide Impacts of Pollution in India: Meta Analysis*, Review Workshop, Madras School of Economics, Chennai 2<sup>nd</sup> March 2013
27. Das S., Rahut D.B and Behera B(2013): *Determinants of Household Energy Use in Bhutan* , MSE seminar series, 23<sup>rd</sup>-24<sup>th</sup> January 2013.

## 2012

28. Prabhakaran T.R, Das S, Bala Ravi S , Oliver King E.D., Drucker A.G(2012): *Use of contingent valuation to determine farmer preference for on-farm conservation of minor millets: A case study from the Kolli Hills, Tamil Nadu, India*, accepted for 72<sup>nd</sup> ISAE conference, Nov 17<sup>th</sup>-19<sup>th</sup> 2012.
29. Das S(2012): *Valuation of Water Resources.*,The Science and Economics of the Environment Issues; The Twain Shall Meet Madras School of Economics, Nov 19th-20th , 2012
30. Birol E, Das S (2012): *Valuing the environment in developing countries: Modeling the impact of distrust in public authorities' ability to deliver on the citizens' willingness to pay for improved environmental quality*, Presented at URBIO 2012 , Oct 9<sup>th</sup> -11<sup>th</sup> , IIT Bombay, India.
31. Prabhakaran T.R, Das S, Bala Ravi S , Oliver King E.D., Drucker A.G(2012): *Assessing Farmer Willingness to Participate in the On-farm Conservation of Minor Millet using Direct Compensation Payment*, MSE seminar series, Pondicherry, March 2012.

## 2011

32. Birol E, Das S (2011): *Valuing the environment in developing countries: Modeling the impact of distrust in public authorities' ability to deliver on the citizens' willingness to pay for improved environmental quality*, accepted for 20th Annual Conference on Contemporary Issues in Development Economics at Jadavpur University, 20<sup>th</sup>-21<sup>st</sup> Dec, 2010 and International Conference on the Status and Future of the World's Large Rivers April 11 – 14, 2011, Vienna, Austria

## 2010

33. Birol E, Das S (2010): *Valuing the environment in developing countries: Modeling the impact of distrust in public authorities' ability to deliver on the citizens' willingness to pay for improved environmental quality*, accepted for the Workshop on Cooperation on the Ganges: Barriers, Myths and Opportunities 13 November 2010, Singapore.
34. Sindhu M and Das S(2010): *GATS and Environmental Services in India*, Programme on trade and environment, Seminar organized by Ministry of Environment and Forests, Government of India and Madras School of Economics, Chennai October 26-27, 2010
35. Das S(2010): *GATS, Technology Transfer and its Impact on Waste Water Treatment Options in India: An Overview*, Programme on trade and environment, Seminar organized by Ministry of Environment and Forests, Government of India and Madras School of Economics, Chennai October 26-27, 2010.
36. Birol E, Das S (2010): *Valuing the environment in developing countries: Modeling the impact of distrust in public authorities' ability to deliver on the citizens' willingness to pay for improved environmental quality*, MSE seminar , 21<sup>st</sup>-22<sup>nd</sup> Aug 2010
37. Das S, Birol E and Bhattacharya R.N(2010): *An Economic analysis of Municipal waste*

*management in West Bengal* , paper accepted for Development Convention, ISEC, Jan, 2010.

**2009**

38. Das S and Höllander R(2009):'*A comparative analysis of the application of economic instruments in wastewater treatment between Germany and India*', paper accepted for the EWRA(European Water Resource Association) Conference, Cyprus, June 2009

**2008**

39. Birol E, Das Sand Bhattacharya R N (2008): '*Using a choice experiment to estimate the value of improved wastewater treatment: The case of River Ganga in India*' accepted for September 2008 IWA World Water Congress Conference, Vienna, Austria.
40. Das S, Birol E and Bhattacharya R.N(2008):'*Informing Efficient Solid Waste Management to Improve Local Environmental Quality and Public Health in West Bengal, India*' accepted for The 45<sup>th</sup> Annual Conference of the Indian Econometric Society (TIES)to be held at the Gauhati University, Guwahati during 8-10 January, 2009

**Bibliographic note**

Bibliographic note on 'Air Pollution Impacts'(2013) COE, Madras School of Economics

**Study material**

Writing units for IGNOU M.A Economics course on the topic- Society and Environment, Pillars for sustainable development

**Books Reviews**

- Review of the 3<sup>rd</sup> edition **Introduction to Econometrics**, by Stock .J.H and Watson M.W, Pearson ,USA(2014).
- Book Review: **Essays on Economic Development-Theory, Institutions and Policies** by V.V Bhatt

**Membership of Committees and Associations**

From year	To year	Name of Committee/ Association	URL, if any	Role/Type of affiliation
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2018	Till Date	Ecosystem Services Partnership(ESP)	<a href="https://www.es-partnership.org/">https://www.es-partnership.org/</a>	Member
2014	Till date	European Association for Environment and Resource economics(EAERE)	<a href="http://www.eaere.org/">http://www.eaere.org/</a>	Member
2017	Till Date	International Water Association(IWA)	<a href="http://www.iwa-network.org/">http://www.iwa-network.org/</a>	Executive Committee Member, IWA, India Division
2013	Till Date	International Water Resource Economics Consortium(IWREC), Water Science and Policy Center, University of California, Riverside	<a href="http://iwrec.ok.ubc.ca/">http://iwrec.ok.ubc.ca/</a>	Member
2012	Till date	Indian Society for Ecological Economics( INSEE),	<a href="http://ecoinsee.org/">http://ecoinsee.org/</a>	Member
2010	Till date	South Asian Network for Development and Environmental Economics (SANDEE)	<a href="http://www.sandeeonline.org/">http://www.sandeeonline.org/</a>	Member

## Students under supervision

### Phd Supervision

- 6 Ph.D. students ongoing research in the area of Renewable energy, Climate change and agriculture, coastal ecosystem services, climate change and impact on electricity sector, health.
  - a. Ms Aaina Dutta-Investigating households' preferences for grid connected solar rooftop systems: A case study of Jammu and Kashmir.
  - b. Mr T.R Prabhakaran-Analysis of climate impact on rice productivity and its adaptation strategies
  - c. Mr Karthick Radhakrishnan-Estimation of economic value of a coastal wetland ecosystem: A Case study of Kailveli Wetland
  - d. Ms Divya Jain(Co-Supervisor)-An assessment of climate change effects on household electricity consumption and consequent adaptation choices in India
  - e. Ms Srishti Minocha- Analyzing the effects of energy transition in the coal mining sector of India
  - f. Mrs Megha Jacob(Pre-Comprehensive stage)-The Role of Local Government Institutions in Capacity Building of Public Health Institutions in India

## **Master's Thesis Supervision**

More than 60 Master's Thesis supervised till date at TERI School of Advanced Studies and Madras School of Economics.

### ***Thesis supervision at TERI School of Advanced Studies (2016-till date)***

Ms Shivani Gupta-Quantifying air pollution vulnerability and its distributional consequences: a Delhi perspective

Ms Shobhna Jha-Green accounting of exhaustible mineral resources in India: a case-study of bauxite sector

Ms Gurleen Kaur Chadha-The effectiveness of reverse logistics in the pharmaceutical industry

Ms Manika Malhotra-E waste management: a micro perspective

Ms Priyanka Sarna-Value of statistical life in Indian labor market

Ms Shonali Varma-Vulnerability of climate induced diseases: analyzing Indian scenario

Ms Srishti Dixit-Determining factors affecting defecation and health & economic impact of sanitation practices: case study of urban slums in Delhi

Ms Meghana Yellaru-Understanding barriers to climate change adaptation: a case of Mahbubnagar farmers

Mr Sarthak Ashri-Economic valuation of seagrass in palk bay region

Ms Satarupa Chakravarty-Unreliable public water supply and household coping mechanisms

Ms Sunakshi Budhiraja-Water footprint and virtual water trade of cash crops in India

Ms Garima Jasuja-Resilience of Rishikesh's social-ecological system towards tourism: a case study of beach camping ban

Ms Radhika Malik-Analyzing compensating wage differential for occupational health risks of agricultural laborers

Ms Shreya Bedia-Economics of grid connected solar powered irrigation pumps in Dhundhi: a case study through the lens of energy-water nexus

Ms Shubham Aggarwal-Measuring value of statistical life of construction workers

Ms Sumedha Tayal-Economic feasibility of marketing cooking fuel obtained from sewage

Mr Vaibhav Sohla-Rooftop rainwater harvesting as an intervention for water scarcity: the case of Dehradun

Ms Debanjali Dagupta-Drivers of adoption of environment management practices in Indian Cement Industry

Ms Gopalika Arora-Bellandur lake rejuvenation: an institutional analysis of options

Ms Mrigakshi Tandon-Local's willingness to contribute towards the improved water quality of river Yamuna

Ms Sristi Bagadia-Ken Betwa River Interlinking Project: identifying its costs and benefits

Ms Abhipsha Chakraborty-Looking into the relationship between fish biodiversity and profitability of the fishery

Ms Ritika Goenka-Material Well-Being or Quality of life: The case of Talcher coal region

Ms Simran Kapoor-Access to Improved Drinking Water: A Study Based on Rural Households of Boudh

Ms Vibhuta Chitkara-Analyzing the Impact of Construction of Metro Rail in Neighborhood Surroundings

Mr Thanancheyan Devendran-Analyzing the Compensating Wage Differential for occupational hazards of Rag pickers in Chennai city

Ms Diljot Kaur-Households' perceptions regarding choice of policy instruments to reduce household solid waste generated in Delhi

- Served as Resource person for the project entitled, "A study on factors determining choice and mode of employment in rural non-farm workers" by Dr S.Jagadees Pandi, Assistant Professor of Economics, Government Arts College (Autonomous), Karur . Funding agency Malcolm & Elizabeth Adiseshiah trust (MEAT), Chennai.
- Served as Resource person for the project entitled, "Willingness to pay for rural health insurance and exploratory study in Cuddalore District." by Dr. K Ramu, Assistant Professor, Dept of Economics, Annamalai University. Funding agency Malcolm & Elizabeth Adiseshiah trust (MEAT), Chennai

### **Administrative Responsibilities at TERI School of Advanced Studies**

1. Head of the Department of Policy and Management Studies- Oct 2021- till date
2. Head of the Department of Policy Studies- July 2020 – October 2021.
3. Member, Academic Council
4. Chairperson, Department Academic Integrity Panel
5. Member, Policy on Equality, Diversity and Inclusion
6. Member, Standing Committee for Policy and Processes
7. Member, Institutional Ethics Committee
8. Doctoral Research Committee Member, Centre for Postgraduate Legal Studies
9. Served as Program Coordinator MSc Economics- June 2018- July 2020
10. Served as Placement Coordinator-2015-16
11. Served as Seminar Coordinator, Lunch and Learn Committee

## Training Programme and Workshops conducted

- Short term Training programme on *Data Analytics using R and Hadoop*, 8<sup>th</sup>-10<sup>th</sup> October, 2018, TERI School of Advanced Studies. (with Dr Neeti- Department of Natural Resources, TERI SAS)
- Short Term Training Programme on *Data science and Sustainability*, 10-12<sup>th</sup> July, 2017, TERI School of Advanced Studies. Received partial financial support from DST-SERB. (with Dr Neeti, Department of Natural Resources, TERI SAS)
- Short term training Programme on *Applied Economic Tools and Techniques for Managing Environmental Resources*, 3-5 October 2016, TERI School of Advanced Studies. Received partial financial support from DST-SERB.(with Dr Gopal Sarangi, Department of Policy Studies, TERI SAS)

## Honors/Awards and Fellowships

- Member, Expert Panel on Environmental Damage Assessment (2019-2021), Central Pollution Control Board, India
- Nominated as Executive Committee Member, International Water Association, India Division.
- Associate Editor, *Arthaniti: Journal of Economic Theory and Practice* Review Editor, *Frontiers in Sustainable Cities*, Specialty section-Climate Change and Cities
- Core-member for the Center of Excellence (CoE) and the ENVIS Centre of Environmental Economics, Madras School of Economics. Sponsored by the Ministry of Environment and Forests, Government of India. (June 2008-July 2015)
- University Grants Commission (UGC) NET for Lectureship qualified in Dec, 2000.

## Invitations

- Invitation to deliver webinar talk in the Department of Humanities and Social Sciences is organizing a Webinar on "**Implementation and challenges for applying stated preference techniques specifically in the context of developing countries**" December 2<sup>nd</sup> 2021.
- Invitation to deliver lecture on, "*Economic Tools and Techniques for Valuing Environmental Resources.*" -**5<sup>th</sup> Refresher Course in Environmental Studies (IDC)**, September 28, 2021,UGC-Human Resource Development Centre, Jawaharlal Nehru University, New Delhi
- Invitation to deliver a lecture to the 2018 batch of Indian Economic Service Officer-trainees on "Economics of Health in energy and power sector: costs of illness and other issues' Dec 2019, TERI School of Advanced Studies.
- Invitation to attend the writeshop of the WASIACLIVAR Project in Kathmandu, Nepal, 17-20 April 2018
- Received invitation from IAEA, Vienna to serve as an expert for IAEA Technical Meeting

on “Water Scarcity, Pollution and Vector Disease in Urban Areas”, 6-8th June 2017. Received nomination from Department of Atomic Energy, Government of India.

- Received Invitation to deliver a lecture in “**choice experiment**” in Short term course on Sustainable Development Policy and Management, Department of Humanities and Social Sciences, IIT Kanpur, 30<sup>th</sup> Nov-5<sup>th</sup> Dec 2015.
- External examiner for Ms. Devleena Chakravarty (Research Scholar) under the supervision of Dr Sabuj Mandal, Department of Humanities and Social Sciences, IIT Madras.
- Received Invitation to be an expert for the international seminar on “Natural Resource and National Accounts in South Asia” held at Institute for Social and Economic Change, Bangalore, February 5<sup>th</sup>- 6<sup>th</sup> 2015.
- Resource Person for the Training Programme on Environmental Fiscal Reforms: International Experience and Relevance for India, 30<sup>th</sup> Oct-1<sup>st</sup> November, 2014, Global Change Programme, Jadavpur University.
- Received invitation to attend Scoping Consultation workshop on “Delineation of Coastal Ecological sensitive areas (ESA) and Critically Vulnerable coastal areas (CVCAs) in India” by NCSCM, 28<sup>th</sup> June 2014
- Received invitation to attend the two days National Consultation Meeting on “Economic Valuation of Bio-resources for Access and Benefit Sharing (ABS)” organized by NBA(National Biodiversity Authority) from 9<sup>th</sup> – 10<sup>th</sup> December, 2013 at Chennai, Tamil Nadu
- Resource Person for the Training Programme on Environmental Fiscal Reforms: International Experience and Relevance for India, Department of Commerce, Tripura University, Agartala, 6, 7 and 8<sup>th</sup> November 2013
- Received invitation to deliver three lectures in **Valuing environment** to the under-graduate students in Department of Civil Engineering, IIT Madras, Oct 2013
- Received invitation to deliver two lectures in **Applied Econometrics** to the post graduate students of M.Sc in Economics in Department of Humanities and Social Sciences, IIT Madras, Sep 2013
- Received invitation to deliver lecture in the UGC Refresher Course on Environmental Economics, Madras University, November 2009