1. Name : Sreetama Ghosh
2. Highest Qualification(s) : Ph.D.
3. Post-Doctoral Experience(s) :

i)	Chalmers University of Technology, Sweden
ii)	Dutch Institute for Fundamental Energy Research, the Netherlands

4. Google Scholar : https://scholar.google.com/citations?user=ve2XgCIAAAAJ&hl=en

5. Group Webpage : to be updated

6. Research fields : heterogeneous catalysis, CO_2 capture, electrochemical CO_2 reduction, thermocatalytic CO_2 hydrogenation, water splitting

7. Collaboration :

National	i)	Prof. Sundara Ramaprabhu, IIT Madras, India
International	i)	Prof. Louise Olsson, Chalmers University of Technology Sweden
	ii)	Prof. Derek Creaser, Chalmers University of Technology Sweden
	iii)	Prof. Mihalis Tsampas, DIFFER, Netherlands
	iv)	Prof. William Schneider, University of Notre Dame USA

8. Prize/Fellowships/Awards : Details

Prize	i)
Fellowships	i)
Awards	i) Institute Research Award 2019, IIT Madras

9. Membership : List out the membership in professional bodies.

i)	
ii)	

10. Invited Talk : Total number.

11. Funded Projects/Consultancy : Ongoing: Details Completed: Details.

Ongoing	i)
Completed	i)

12. Ph.D. students : Ongoing: Total number Completed: Total number.

13. Graduate projects : Ongoing: Total number Completed: Total number.

14. Selected publications : Top 10. In the form of **Title, Journal name complete form, DOI, Year. (In the order of Recent to old)**

i)	*Methanol mediated direct CO_2 hydrogenation to hydrocarbons: Experimental and kinetic modeling study*, **Chemical Engineering Journal**, 435 (2022) 135090. https://doi.org/10.1016/j.cej.2022.135090
ii)	*Experimental and kinetic modeling studies of methanol synthesis from CO_2 hydrogenation using In_2O_3 catalyst*, **Chemical Engineering Journal**, 416 (2021) 129120. https://doi.org/10.1016/j.cej.2021.129120
iii)	*Recent advances in direct hydrogenation of CO_2 into hydrocarbons via methanol intermediate over heterogeneous catalysts*, **Catalysis Science and Technology**, 11 (2021), 1665-1697. https://doi.org/10.1039/D0CY01913E
iv)	*Boron and nitrogen co-doped carbon nanosheets encapsulating nano iron as an efficient catalyst for electrochemical CO_2 reduction utilizing a Proton Exchange Membrane CO_2 conversion cell*, **Journal of Colloid and Interface Science** 559 (2020) 169-177. https://doi.org/10.1016/j.jcis.2019.10.030
v)	*Magnesium oxide modified nitrogen-doped porous carbon composite as an efficient candidate for high pressure carbon dioxide capture and methane storage*, **Journal of Colloid and Interface Science** 539 (2019) 245-256. https://doi.org/10.1016/j.jcis.2018.12.063
vi)	*Green synthesis of transition metal nanocrystals encapsulated into nitrogen-doped carbon nanotubes for efficient carbon dioxide capture*, **Carbon** 141 (2019) 692-703. https://doi.org/10.1016/j.carbon.2018.09.083
vii)	*Green synthesis of nitrogen-doped self-assembled porous carbon-metal oxide composite towards energy and environmental applications*, **Scientific Reports** 9 (2019) 5187. https://doi.org/10.1038/s41598-019-41700-5
viii)	*Nonprecious catalyst for three-phase contact in a Proton Exchange Membrane CO_2 Conversion Full Cell for efficient electrochemical reduction of Carbon Dioxide*, **ACS Applied Materials and Interfaces** 11 (2019) 40432-40442. https://doi.org/10.1021/acsami.9b11213
ix)	*High-pressure investigation of ionic functionalized graphitic carbon nitride nanostructures for CO_2 capture*, **Journal of CO_2 Utilization** 21 (2017) 89-99. http://dx.doi.org/10.1016/j.jcou.2017.06.022
x)	*Synthesis of titanium carbide nanoparticles by wire explosion process and its application in carbon dioxide adsorption*, **Journal of Alloys and Compounds** 794 (2019) 645 - 653. **(Impact factor: 6.375)** https://doi.org/10.1016/j.jallcom.2019.04.299

15. Other activities : Not exceedingly more than 5.

i)	
ii)	