



1. Name : Shanmugam R

2. Highest Qualification(s) : Ph.D.,

3. Post-Doctoral Experience(s) :

i)	Post-Doctoral Research Fellow, Sep. 02, 2019 – Feb. 28, 2022, Department of Chemical Engineering, Konkuk University, Seoul, South Korea.
ii)	Institute Post-Doctoral Fellow, Dec. 01, 2017 – Aug.30, 2019, Department of Chemistry, Indian Institute of Technology Madras, Chennai, India.

4. Google Scholar : <https://bit.ly/3qCUgCh>

5. Group Webpage :

6. Research fields : Computational heterogenous catalysis

7. Collaboration :

National	i) IIT Madras
International	i) South Korea

8. Prize/Fellowships/Awards : Details

Prize	i) Second prize intercollegiate seminar.
Fellowships	i)SRF-CSIR-India, NRF-Korea.
Awards	i) Best poster award -1 and Paper presentation - 1

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

i)	Life member in Catalysis Society of India
ii)	

10. Invited Talk : 1

11. Funded Projects/Consultancy :

Ongoing	i) 1
Completed	i)

12. Ph.D. students : Ongoing: 6 Completed: 0

13. Graduate projects : Ongoing: 0 Completed: 0

14. Selected publications :

i)	Investigating the role of metals loaded on nitrogen-doped carbon-nanotube electrodes in electroenzymatic alcohol dehydrogenation, Applied Catalysis B: Environmental, DOI: 10.1016/j.apcatb.2022.121195 , 2022.
ii)	Promoting Effect of Gd ₂ O ₃ in Pt-Gd ₂ O ₃ /C Electrocatalyst for Methanol Oxidation Reaction, Journal of The Electrochemical Society, DOI: 10.1149/1945-7111/ac58ca, 2022.
iii)	Sitedirected lysine modification of xylanase for oriented immobilisation onto silicon dioxidenanoparticles, Bioresource Technology, DOI: 10.1016/j.biortech.2021.125063, 2021.
iv)	The corrosion inhibition of stainless steel by ferrocene–polyoxometalate hybrid molecular materials–experimental and first principles studies, Physical Chemistry Chemical Physics, DOI: 10.1039/C9CP06284J, 2020.
v)	Extending the π -electron conjugation in 2D planar graphitic carbon nitride: efficient charge separation for overall water splitting, Journal of Materials Chemistry A, DOI: 10.1039/C8TA10580D, 2019.

15. Other activities :

i)	
ii)	