

Faculty Profile



Dr. S. BASKARAN, Ph. D.,
Assistant Professor (OG) - Chemistry

HIGHLIGHTS:

- Number of Journal Publications: 44
- H-Index: 14
- Project Funding Received: NIL
- Patents Published: NIL
- Patents Granted: NIL

PROFESSIONAL LINKS:

- Scopus ID: 36624846900
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=36624846900>
- Google Scholar ID: <https://scholar.google.co.in/citations?hl=en&user=TkTC8uIAAAAJ>
- Anna University Faculty ID: 311914
- AICTE Faculty ID: 1-44788444662
- Anna University Supervisor ID: Applied
- LinkedIn: <https://www.linkedin.com/in/sambath-baskaran-b8324089/>

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: NIL
- Industrial Experience: NIL

INTERNATIONAL EXPOSURE:

Total: 6.5 Years

- Postdoctoral Fellow, Department of Materials Science & Engineering, Korea Advanced Institute of Science and Technology (KAIST), Daejeon, 34141, Republic of Korea – January 2023 to December 2023
- Postdoctoral Fellow, Department of Chemistry, University of Ulsan, Ulsan, 44610, Republic of Korea - July 2021 to December 2022
- Postdoctoral Fellow, Department of Chemistry, Southern University of Science and Technology, Shenzhen, 518055, P. R. China - April 2019 to March 2021
- Postdoctoral Fellow, Department of Chemistry, Tsinghua University, Beijing-100084, P. R. China - June 2016 to May 2018

ADDITIONAL INTERNATIONAL EXPOSURE

NIL

AREA OF SPECIALIZATION:

- Computational Materials Science
- Computational Catalysis
- Electrocatalysis (ORR, HER, OER, CO₂RR, N₂RR)

Ph.Ds AWARDED WITH DETAILS: NIL

S:No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time

Ph.Ds GUIDING: NIL

- **Full Time Scholars:** NIL
- **Part Time Scholars:** NIL

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY: NIL**PATENTS PUBLISHED/GRANTED: NIL****COURSES CERTIFIED: NIL****ACHIEVEMENTS AND AWARDS:**

- Received Encouragement Award in 2020 by Center for Computational Science and Engineering at Southern University of Science and Technology (**SUSTech**).
- Awarded Postdoctoral Fellowship by Department of Chemistry, Southern University of Science and Technology, Shenzhen, 518055, P. R. China. During 2019-2021.
- Awarded Postdoctoral Fellowship by Department of Chemistry, Tsinghua University, Beijing, P. R. China. During 2016-2018.
- Awarded CSIR-SRF Fellowship by Council of Scientific and Industrial Research (**CSIR**), Government of India. During 2012-2015

SPECIAL SESSIONS DELIVERED:

Session Chair/Key Note Speaker: NIL

Invited Talks/Resource Person: NIL

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:***International Conferences/Seminars:***

- Density Functional Theory Study on the Catalytic CO₂ Reduction of SACs Embedded in S-Terminated Mo₂C-Mxene
129th General Meeting of the Korean Chemical Society
April 13~15, 2022 ICC Jeju, Korea.

- Catalytic Mechanism and Bonding Analyses of Au-Pd Single Atom Alloy (SAA): CO Oxidation Reaction
The 19th National Congress on Catalysis of China (Chongqing) October 13-17, 2019, Chongqing, P. R. China,

National Conferences/Seminars:

- A New Strategy for Hydrogenation of N_2 to NH_3 and N_2H_4 Symposium on Modern Trends in Inorganic Chemistry (MTIC-XV) December 13-16, 2013, Department of Chemistry, IIT-Roorkee, Roorkee-247667
- A New Strategy for the Hydrogenation of N_2 to NH_3 and N_2H_4 in Schrock Catalyst using H_2
Chemical Research Society of India South Zonal Meeting (CRSI-2011) December 16-17, 2011
Department of Chemistry, Pondicherry University, Puducherry-605014
- Understanding the Selectivity of 1,3 Dipolar Cycloaddition Reactions (DCR): DFT Studies
National Conference on “Recent Trends in Organic Synthesis-2011” (RTOS-2011)
February 24-26, 2011
School of Chemistry, Bhrathidasan University, Tiruchirappalli-620024, Tamil Nadu,
- Functionalization of Dinitrogen Using a Historically Significant Ru Complex: A New Life for an Old Complex,
March 30, 2011
National Symposium on Renaissance in Chemistry (NSRC-2011) Department of Chemistry, Pondicherry University, Puducherry-605014
- Understanding the Electronic Structure and Bonding Analysis of Transition Metal Azide Complexes
December 22, 2011
National Conference on Frontier Areas in Chemistry (NCFAC-2011) Pondicherry University, Puducherry-60501

PROFESSIONAL MEMBERSHIPS: NIL

OTHER DETAILS (If any): NIL