

PRAVEEN KUMAR S

ASSISTANT PROFESSOR



CONTACT

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Erode - 638455
TamilNadu, India

ACTIVITIES

- Received Seminar Grant of Rs.50000 as CO PI from SERB
- No of Journals : 7
- No of patents Published : 3
- Completed Certified Training Course in Coursera - "Data Analytics".
- pursuing training course in Industrial Automation

TOOLS

- MS Word, Excel & PPT
90%
- Creo Software
75%
- Ansys Software
70%
- Photoshop
85%
- Website developement
75%

PERSONAL INFO

I am a passionate in teaching profession having expertise of 6+ years. I work closely with my research activities and create an innovative projects. I have published 6 journal publications in the field of fuel cell. I am working towards greener environment to the society by implementing the zero emission products.

EDUCATION

- PhD - Mechanical Engineering (PEM Fuel cell)** 2023
Anna University
- M.E. (Engineering Design)** 2015
Nandha Engineering College (Autonomous) - Erode
- B.E (Mechanical Engineering)** 2013
Thanthai Periyar Government Institute of technology, Vellore

EXPERIENCE

- Assistant professor** 2018-Present
S.A. Engineering College (Autonomous), Chennai - 77
 - Handling Classes and Labs
 - College Website management in charge
 - ERP Software in charge
 - Grievance Redressal Portal in charge
 - Social media (Facebook, Instagram etc)
 - NBA CO PO Mapping (Criteria 3)
 - ISO file management
- Assistant Professor** 2015-2018
Shree Venkateshwara Hi Tech Engineering College, Erode
 - Handling Classes and Labs
 - Class Advisor Role
 - In charge for Co Curricular and Extra curricular Activities and Banner designing

REFERENCE

- Dr. Baskar S - Professor, S.A. Engineering College**
baskars@saec.ac.in +91 9003390602
- Dr. Muthukumar M - Professor, Nandha Engineering College**
muthupsgtech@gmail.com +91 9865923333

JOURNAL PUBLICATIONS

1. "Numerical Studies on PEM Fuel Cell with Different Landing to Channel Width of Flow Channel",

M.Muthukumar, P.Karthikeyan, M.Vairavel, C.Loganathan, **S.Praveenkumar**,
Vol: 97 (2014), pp: 1534-1542.

Journal name: Procedia engineering (science direct).

2. "Effects of Flow Channel Geometry on the Performance of PEM Fuel Cell"

S.Praveenkumar, M.Muthukumar, S.Muruganantham,
Vol: 13, No: 1 (2015), pp: 152-156.

Journal name: International Journal of Innovation and Scientific Research.

3. "Influence of pressure and temperature on the performance of PEM fuel cell with taper flow channel designs",

S.Praveenkumar, S.Muruganantham, M.Premkumar, M.Muthukumar, A.Vetrivel,
Vol:11, No.4 (2015), pp:505-513

Journal name: International Journal of Applied Chemistry,

4. "Design and Analysis of Flow Field Geometry Designs of Proton Exchange Membrane (Pem) Fuel Cell",

S.Sathishkumar, **S.Praveenkumar**, A.Vetrivel, E.Vidhyasri,
Vol: 42, No.3 (2016), pp: 114-125

Journal name: International Journal of Engineering Trends and Technology.

5. "An optimization and analysis of Flow field geometry designs in Proton exchange membrane (pem) Fuel cell",

Sathishkumar.S, Balamurali.S, Prakash.T, **Praveenkumar.S**
Vol: 2, No.6 (2016), pp: 1471-1478

Journal name: International Journal of Advance Research and Innovative Ideas in
Education.

6. "Performance Studies of Proton Exchange Membrane Fuel Cells with Different Flow Field Designs - Review",

Muthukumar Marappan, Karthikeyan Palaniswamy, Thiagarajan Velumani, Kim Byung
Chul, Rajavel Velayutham, **Praveenkumar Shivakumar**, Senthilarasu Sundaram
Vol: 21, (2021), pp: 1-53

Journal name: The Chemical Record

7. "Intensification of proton conductivity through polymer electrolytic membrane using novel electrode pattern",

S Praveenkumar, S Baskar, M Muthukumar
Vol: 99 (3), (2022), pp: 100383

Journal name: Journal of the Indian Chemical Society

SCI Journals : 03

PATENT PUBLICATIONS

1. Novel X Electrode Flow Channel to Improve the Performance of PEMFC (Patent Application Number: 202241008128), 2022
2. Cross Diagonal Up Right Serpentine Electrode Pattern for PEMFC (Patent Application Number: 202241066082), 2022
3. Cross Flow Square Section Electrode Anode Pattern for PEMFC (Patent Application Number: 202241069224), 2022

FDP, WORKSHOPS AND SEMINARS ATTENDED/ORGANIZED

No of Workshops/seminars attended : 50+

No of Workshops/seminars organized : 02

No of FDP Attended : 7

No of Conferences attended : 7

PROJECTS

PG Project:

Performance Improvement on Proton Exchange Membrane Fuel Cell with Taper flow Channel Designs

PhD Thesis Title:

Numerical and Experimental Investigation on the Performance of PEMFC Using X Flow Field Pattern

Research IDs:

Google_Scholar_ID : <https://scholar.google.com/citations?user=f76e4UAAAAAJ&hl=en>

ORCID_ID : <https://orcid.org/my-orcid?orcid=0000-0002-8594-1429>

Scopus_ID : <https://www.scopus.com/authid/detail.uri?authorId=57385164900>

Declaration:

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Place: Chennai

Date:


S.PRAVEENKUMAR