

1. Personal Information

- **Name:** Dr. Sourabh Sadanand Jogee
- **Position:** Assistant Professor
- **Department:** Mechanical Engineering
- **Contact Information:** ssjogee@sggs.ac.in

2. Educational Background

- **Degrees:**
 - Ph.D : IIT Madras (Thermal Science)
 - M.Tech : NIT Rourkela (Thermal Science)
 - B.E. : Amravati University (Mechanical Engineering)
- **Postdoctoral Experience:**
 - Institute Post-doctoral Fellow : IIT Bombay, Department of Mechanical Engineering
 - Project Research Associate : IIT Bombay, Department of Chemical Engineering

3. Research Interests

- **Areas of Expertise:** Computational Fluid Dynamics (CFD), Large-eddy simulation (LES), Turbulence modeling, Turbulent heat transfer, Vortex dynamics, and Wake interaction.
- **Ongoing Projects:** Experimental studies on Heat Transfer Enhancement for flow through dimpled tubes.

4. Teaching Experience

- **Courses Taught:**
 - Elements of Mechanical Engineering and Mechanics (PCC-ME104)– Winter 2025.
 - Thermodynamics (PCC-ME201)– Summer 2024.
 - Theory of Machines (PCC-ME210)– Winter 2023.
 - Dynamics of Machines (PCC-ME302)– Summer 2023.

- Design of Machine Elements (PCC-ME303)– Summer 2023.
- Refrigeration and Air Conditioning (PCC-ME309)– Winter 2023, 2024.
- Power Plant Engineering (PEC-ME305)– Summer 2024.
- **Course Development:**
 - Elements of Mechanical Engineering and Mechanics
 - Mechanical Engineering Essentials
 - Thermofluid Science

5. Publications and Presentations (Plz provide Google scholar link)

- **Journal Articles:**
 - R. Bisoi, Sourabh Jogee and K. Anupindi, “Conjugate heat transfer analysis of flow over an array of cylinders placed in a parallel channel”, International Journal of Heat and Mass Transfer, 239, 126541, 2025, <https://doi.org/10.1016/j.ijheatmasstransfer.2024.126541>
 - P. Muramulla, Sourabh Jogee, S. Nagpal, P. S. Goswami, S. Gopireddy, T. Profitlich, N. Urbanetz, “Heat transfer studies in a rotating drum containing non-spherical particles”, Powder Technology, 438, 119607, 2024, 10.1016/j.powtec.2024.119607.
 - Sourabh Jogee, K. Anupindi, “Large-eddy simulation of non-isothermal flow over an array of cylinders placed inside a converging channel”, International Journal of Thermal Sciences, 193, 108507, 2023. 10.1016/j.ijthermalsci.2023.108507.
 - Sourabh Jogee, K. Anupindi, “Evaluation of flow and thermal characteristics for flow through a wall confined array of pin-fins using large-eddy simulation”, International Journal of Heat and Mass Transfer, 196, 123214, 2022. 10.1016/j.ijheatmasstransfer.2022.123214.
 - Sourabh Jogee, K. Anupindi, “Near-wake flow and thermal characteristics of three side-by-side circular cylinders for large temperature differences using large-eddy simulation”, International Journal of Heat and Mass Transfer, 184C, 122324, 2022. 10.1016/j.ijheatmasstransfer.2021.122324
 - Sourabh Jogee, B.V.S.S.S. Prasad, K. Anupindi, “Large-eddy simulation of non-isothermal flow over a circular cylinder”, International Journal of Heat

and Mass Transfer, 151, 119426, 2020.
10.1016/j.ijheatmasstransfer.2020.119426

- Dhaval Paghdar, Sourabh Jogee, K. Anupindi, “Large-eddy simulation of counter-rotating Taylor–Couette flow: The effects of angular velocity and eccentricity”, International Journal of Heat and Fluid Flow, 81, 108514, 2020.
10.1016/j.ijheatfluidflow.2019.108514.

- **Conference Papers:**

- Sourabh Jogee, K. Anupindi, B.V.S.S.S. Prasad, Large-eddy simulation of flow over three side-by-side circular cylinders, Proceedings of the 8th International and 47th National Conference on Fluid Mechanics and Fluid Power (FMFP), 9 – 11 December 2020, IIT Guwahati, Assam, India.
- Sourabh Jogee, K. Anupindi, B.V.S.S.S. Prasad, “Evaluation of turbulence models for flow over heated circular cylinder”, Proceedings of the 25th National and 3rd International ISHMT-ASTFE Heat and Mass Transfer Conference, 28 – 31 December 2019, IIT Roorkee, India. pages 1043–1048. DOI: 10.1615/IHMTC-2019.1750 PRESENTATIONS
- S. Nagpal, S. Jogee, P. Muramulla, P. S. Goswami, S. Gopireddy, “Heat transfer studies in a rotating drum containing non-spherical particles”, 10th International Granulation Workshop, held on 21st – 23rd June 2023, Sheffield, UK.
- Sourabh Jogee, K. Anupindi, B.V.S.S.S. Prasad, “Assessment of sub-grid scale models for flow over a heated circular cylinder”, 7th Asian Symposium on Computational Heat Transfer and Fluid Flow, 3 – 7 September 2019, Tokyo, Japan.
- Poster: Sourabh Jogee, A. K. Sahu, “Design of expansion wheel with backward swept blade for low temperature helium expansion turbine and CFD analysis results”, 26th International Cryogenic Engineering Conference, (ICEC26)”, 7 – 11 March 2016, New Delhi, India.

Google Scholar Link:

<https://scholar.google.com/citations?user=p9RCpwcAAAAJ&hl=en>

6. Awards and Honors

- **Fellowships:**

- “INSA Visiting Scientist Programme”, by Indian National Science Academy, Govt. of Bharat, 2024.
- Grant for attending international conference “Asian Symposium on Computational Heat Transfer and Fluid Flow” at Tokyo, Japan, MHRD, Govt. of Bharat, 2019.

7. Professional Experience

- **Administrative Roles:**

- Head of the Department, Department of Mechanical Engineering, SGGS Institute of Engineering and Technology, Nanded. Dec 2023– Till date.

- **Consulting Work:**

- Ekatmik Adivasi Vikas Prakaalp, Pusad. (Cost ₹17,30,000)
- District samanvay officer, women empowerment, Ahilyanagar. (Cost ₹10000/-)
- Shreesiddhi aggrotech pvt. Ltd, Narayangao, Pune. (Cost ₹ 10000/-)
- Saiprit industries, Jalna. (Cost ₹4,55,000/-)
- Bhumi Industries and Traders, Jalna. (Cost ₹21,70,000/-)
- Venkatesh Agro Engineering Works, Jalna. (Cost ₹12,85,000/-)

8. Miscellaneous

- **Software Packages:** OpenFOAM, Ansys CFX, Auto CAD, and FORTRAN
- **Visualisation and Plotting:** Paraview , GNU Plot, and LATEX.