

BIO-DATA



1. **Name** Abdul Najim
2. **Designation** Assistant Professor
3. **Residential Address** A-8, plot-16, Happy House CHS, sector 9A, Vashi, Navi
Mumbai, Maharashtra, India
4. **Date of birth** May, 15, 1987
5. **Total Experience** 5 years
 - i. **Teaching** Nil
 - ii. **Research** 5 years

6. **Qualifications**

Exam Passed	Year	Institution/ University	Branch/Specialization	Percentage/CGPA
PhD	July 2022	IIT Bombay	Thermal and Fluid Engineering	7.6
M.Tech	2012-2014	Government College of Engineering, Karad	Heat Power Engineering	73.6
B.Tech	2006-2010	Government College of Engineering, Amravati	Mechanical Engineering	6.97

7. **Employment Record - NA**

8. **List of Papers Published Journal**

- I. **A. Najim**, A review of advances in freeze desalination and future prospects, NPJ Clean Water, 5(2022), 15.
- II. **A. Najim**, S. Krishnan, Experimental and theoretical investigation of a novel system for progressive freeze-concentration based desalination process, Chem. Eng. Process. - Process Intensif., 173(2022), 108821.
- III. **A. Najim**, S. Krishnan, A similarity solution for heat transfer analysis during progressive freeze-concentration based desalination, Int. J. Therm. Sci., 172(2022), 107328.

- IV. **A. Najim**, S. Krishnan, Heat transfer during diffusion-controlled unidirectional solidification of binary mixtures: effect of material advection, *Sadhana*, 46(2021), 212.
- V. **A. Najim**, Discussion on “B. Kalista, H. Shin, J. Cho, A. Jang, Current development and future prospect review of freeze desalination, *Desalination*, 447(2018), 167–181” and “A. Eghtesad, M. Salakhi, H. Afshin, S. Hannani, Numerical investigation and optimization of indirect freeze desalination, *Desalination*, 481(2020), 114378”, *Desalination*, 504(2021), 114958.
- VI. P. Pawar, **A. Najim**, A. Acharya, A. Pise, Pool boiling heat transfer augmentation in a novel aqueous binary mixture of surfactants, *J. Heat Transfer*, 143(2021), 044501.
- VII. **A. Najim**, V. More, A. Thorat, S. Patil, S. Savale, Enhancement of pool boiling heat transfer using innovative non-ionic surfactant on a wire heater, *Expt. Thermal Fluid Science*, 82(2017), 375-380.
- VIII. **A. Najim**, S. Pise, Boiling heat transfer enhancement with surfactant on the tip of a submerged hypodermic needle as nucleation site, *Appl. Thermal Engg.*, 103(2016), 989-995.

9. **Book - NA**

10. **Invited Lectures in FDP/ STTP - NA**

11. **International Conference Technical Program Committee Member / Reviewer - NA**

12. **Patent – 01**

S. Krishnan, **A. Najim**, Progressive freeze-concentration systems with reduced energy consumption and methods thereof, **20/09/2021**, 202121042446, Mumbai, India.