

# Profile

<b>Name of the Faculty</b>	A. RAMESH
<b>Designation</b>	Assistant Professor
<b>Department</b>	Freshman Engineering
<b>Area of Interest</b>	Computational Fluid dynamics
<b>Subjects Taught</b>	BEM, M-II, TCV, P&S,CM,CM-LAB
<b>JNTUH Registration Id</b>	07150401-141908
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## Educational Qualifications:

<b>S. No.</b>	<b>Degree</b>	<b>Specialization</b>	<b>University/College</b>	<b>Year</b>
1.	M.Phil.	Mathematics	Madurai Kamaraj University	2008
2.	M.Sc.	Mathematics	Osmania University	2006
3.	B.Ed.	Mathematics	Osmania University	2005
4.	B.Sc.	M.St.Cs.	Kakatiya University	2002

## Research Publications:

<b>S. No.</b>	<b>Publication details</b>
1.	Balla Chandra Shekar, Alluguvelli Ramesh, and Naikoti Kishan. "Effects of variable viscosity and thermal conductivity on MHD boundary layer flow of nanofluid with thermal radiation." <i>Journal of Nanofluids</i> 6, no. 1 (2017): 59-70.
2.	Balla Chandra Shekar, Alluguvelli Ramesh, Naikoti Kishan, A. M. Rashad, and Z. M. A. Abdelrahman. "Bioconvection in oxytactic microorganism-saturated porous square enclosure with thermal radiation impact." <i>Journal of Thermal Analysis and Calorimetry</i> 140, no. 5 (2020): 2387-2395.

3.	Balla Chandra Shekar, Ramesh Alluguvelli, Kishan Naikoti, and Oluwole Daniel Makinde. "Effect of chemical reaction on bioconvective flow in oxytactic microorganisms suspended porous cavity." <i>Journal of Applied and Computational Mechanics</i> 6, no. 3 (2020): 653-664.
4.	Alluguvelli Ramesh, Chandra Shekar Balla, Lavanya Bandari, and Kishan Naikoti. "Investigation on natural convective flow of ethylene glycol nanofluid containing nanoparticles Fe <sub>3</sub> O <sub>4</sub> in a porous cavity with radiation." In <i>AIP Conference Proceedings</i> , vol. 2269, no. 1, p. 060004. AIP Publishing LLC, 2020.
5.	Balla Chandra Shekar, Alluguvelli Ramesh, Naikoti Kishan, and Ahmed Mohamed Rashad. "Impact of Soret and Dufour on bioconvective flow of nanofluid in porous square cavity." <i>Heat Transfer</i> 50, no. 5 (2021): 5123-5147.
6.	Alluguvelli, Ramesh, Chandra Shekar Balla, Kishan Naikoti, and Oluwole Daniel Makinde. "Nanofluid Bioconvection in Porous Enclosure with Viscous Dissipation." <i>Indian Journal of Pure &amp; Applied Physics (IJPAP)</i> 60, no. 1 (2022): 78-89.

### **Books/Book Chapters Published:**

S. No.	Publication details

### **Experience:**

<b>Teaching</b>	16 Years
<b>Industry</b>	-
<b>Research</b>	4 Years
<b>Total Experience</b>	16 Years