

Name of Faculty
Designation
Nature of Job/Appointment

Dr. Y. S. Kannan
Assistant Professor
Regular



Date of Joining 20-09-2021

E-mail yskannan_mech@cbit.ac.in

Education Qualifications

Ph. D

Name of the Degree
Doctor of Philosophy (Fluid Power Systems),
IIT-Hyderabad

Class

Awarded

PG

M. Tech (Thermal Power Engineering)
NIT-Tiruchirappalli

First with
Distinction

UG

B. E (Mechanical Engineering)
CBIT

First with
Distinction

Work Experience

Teaching

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Research

09 years

Industry

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Others

Area of Specialization

Experimental Fluid Dynamics, Heat Transfer

Professional Memberships

Responsibilities held at Institution Level

Responsibilities held at Department Level

Research Guidance

Awards Received

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Courses Handled at Under Graduate / Post
Graduate Level.

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No. of Papers Published

National Journals – 00
National Conference – 00

International Journals – 02
International Conference – 03

Projects Carried out

Patents

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Technology Transfer

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Invited Speaker

No. of Books/Chapter Published with
details

Details of Short-Term Training
Programs/Faculty Development
Programs/Seminars/Workshops. Other
Trainings (**Attended and/or Organized**).

Details of Journal Publications/
Conferences (**National and International**)

International Journal

- Y. S. Kannan, B. Karri, K. C. Sahu, "Entrapment and interaction of an air bubble with and oscillating cavitation bubble", Physics of Fluids vol. 30 (4), 041701, 2018, American Institute of Physics (AIP) publications.
- Y. S. Kannan, S. Balusamy, B. Karri, K. C. Sahu, "Effect of viscosity on the volumetric oscillations of a non-equilibrium bubble in free-field and near a free-surface", Experimental Thermal and Fluid Science. 116, 110113, 2020.

International Conferences:

- Y. S. Kannan, S. Balusamy, B. Karri, "Laser diagnostics for characterization of sprays formed by a collapsing non-equilibrium bubble", 9th International symposium on Cavitation (CAV2015), Journal of Physics: Conference Series, IOP Publishing, December 6-10, 2015, EPFL, Switzerland (Scopus indexed).
- D. Vamshidhar Reddy, Y. S. Kannan, Badarinath Karri and K. C. Sahu, "Dynamics of water and glycerol drops sliding down an inclined plane", Proceedings of the 7th International and

45th National Conference on Fluid Mechanics and Fluid Power (FMFP), December 10-12, 2018, IIT-Bombay, Mumbai, India.

- R. Kamatchi, Y. S. Kannan, S. Venkatachalapathy, "Effect of Surface Modifications on the Enhancement of Critical Heat Flux in Saturated Pool Boiling" Proceedings of International Conference on Advances Research in Mechanical, Aeronautical and Civil, International Innovative Scientific Research and Organisation (IISRO)- 5th to 8th September, 2013, Thailand, pp 75-79.