

SUMIT SAGAR HOTA

Citizenship: Indian DOB: 02-04-1997 PhD in Thermal and Fluid Engineering Indian Institute of Technology Palakkad, Kerala, India Web : https://sites.google.com/smail.iitpkd.ac.in/sumit-sagar-hota Specializations: Combustion, Heat Transfer, Composite materials

Academic Profile	9		
Degree	Institute	CGPA	Year
PhD	Indian Institute of Technology Palakkad,	9.0 CGPA	2021-Till
	Kerala, India		now*
M.Tech	Odisha University of Technology and Research	9.49 CGPA	2019-2021
	(formerly College of Engineering And		
	Technology), Bhubaneswar, Odisha, India		
B. Tech		9.64 CGPA	2014-2018
	Inistitute of Technical Education and		
	Research, Bhubaneswar, Odisha, India		

Couse works in PhD (IIT PALAKKAD)				
SI.NO.	COURSE NAME	GRADES(Gra de points out of 10)	CREDITS(Total 12 credits)	
1	Fluid Dynamics(ME5621)	A (9)	3	
2	Computational Fluid Dynamics(ME5614)	B (8)	3	
3	Mathematics for Engineers (ME5011)	A (9)	3	
4	Combustion(ME5619)	S (10)	3	
5	Research Methodology(GN6001)	P(NA)	0(zero credit course)	

Academic achievements

- i. Dean's list of meritorious student in B.Tech in Mechanical engineering for securing highest CGPA.
- ii. CET MERIT SCHOLARSHIP twice in first and second year, M.Tech in Thermal Engineering for securing highest CGPA.
- iii. University (OUTR, BBSR, ODISHA formerly CET, BBSR, ODISHA) topper in M.Tech- 2021.
- iv. Awarded prestigious PMRF(cycle 9 May 2022) fellowship

Programming and Simulation Proficiency Technical Software: Open FOAM, ANSYS, SOLIDWORKS, CATIA, MATLAB etc.

Patent	s
1.	AN INSULATIVE BULLETPROOF COMPOSITE BRICK FOR BUNKER filed in India (Secured 1 st
	rank under confidential patent for defence 2021) (1 st inventor) Patent application
	Number: 202131027196, Date of Applying: Jun 2021
2.	EARTHQUAKE RESISTANT AND ENERGY EFFICIENT COMPOSITE BRICK AND METHOD OF
	PREPARATION THEREOF filed in India (AWARDED & GRANTED) (1 st inventor)
	Patent application Number: 202231010295, Patent number: 406468, Date of applying: Feb 2022,
	Publication Date: 11/03/2022, Journal No.:10/2022, Part: 1, Page number:444,
	https://search.ipindia.gov.in/IPOJournal/Journal/Patent
3.	COMPOSITE SOLAR PANEL COVER AND METHOD OF FORMATION THEREOF filed in India
	(AWARDED & GRANTED) (1 st inventor)Patent application Number: 202231030402, Patent Grant
	Number: 415426, Date of applying: May 2022, Publication Date: 24/06/2022, Journal No. 25/2022, Part:
	1, Page number: 364, https://search.ipindia.gov.in/IPOJournal/Journal/Patent
4.	BULLET PROOF, ENERGY EFFICIENT, COST-EFFECTIVE COMPOSITE GLASS AND
	PREPARATION THEREOF filed in India (accepted by NRDC India (National Research Development
	Corporation) organization) (1 st inventor)Patent application Number: 202231040081
	Date of applying: Jul 2022. (N.B. The above patent is the cheapest bulletproof glass against 0.50 BMG
	bullet at 928-1500 m/s muzzle speed and energy efficient glass till date invented by NRDC report 2022.)
5.	PROTECTIVE DUST GUARD FRAME FOR SOLAR PANEL filed in India (AWARDED AND
	GRANTED) (2nd Inventor) Patent application Number/ Design Patent Grant Number: 374212-001, Date
	of applying: 15/11/2022, Class: 13-04, Published and Granted date: 03/02/2023, Journal No. 06/2023,
	Dated 10/02/2023, Part: 3 (Designs), Page number: 44,
	https://search.ipindia.gov.in/IPOJournal/Journal/Patent

I, hereby declare that the above-mentioned information is true to the best of my knowledge.

Zumit Zaeger Hose

Name : Sumit Sagar Hota

Date : 15/06/2023

References

 Dr. Krishna Sesha Giri Assistant Professor Department: Mechanical Engineering IIT Palakkad, Kerala-678623, India. Email: <u>krishna.s@iitpkd.ac.in</u> 2. Dr. Sudhansu Sekhar Sahoo Associate Professor Department: Mechanical Engineering OUTR(formerly CET),Bhubaneswar,Odisha-751029,India Email: <u>sudhansu@cet.edu.in</u>