

BIO - SKETCH

	Name : Dr. Pawan Kumar Chauhan
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	Total Experience : 07
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Specialization	Material Science & Engineering
Academic Qualification	Doctorate of Philosophy (PhD) in Mechanical Engineering
	Master of Technology (M.Tech) in Mechanical Engineering with specialization, Manufacturing & Precision Engineering
	B.E. Mechanical Engineering
Total Teaching Experience	2.5 years
Publication Details	International Journals:
	1. P. K. Chauhan , R. Parameshwaran, P. Kannan, R. Madhavaram, R. Sujith, Hydrogen Storage in Porous Polymer Derived Silicon Oxycarbide Ceramics: Outcomes and Perspectives, Ceramics International, 47[2], 2591-2599 (2021), SCI (Elsevier, IF-4.52).
	2. P. K. Chauhan , R. Sujith, R. Parameshwaran, A.V.S. Siva Prasad, Role of polysiloxanes in the synthesis of aligned porous silicon oxycarbide ceramics, Ceramics International, 45[7], 8150-8156 (2019), SCI (Elsevier, IF-4.52).
	3. P. K. Chauhan , V. Vidhukiran, R. Sujith, R. Parameshwaran, Experimental- investigation of hydrogen storage in multilayered graphene, Materials Research Express, 6 (2019), SCIE (IOP Science, IF- 1.6).
	4. R. Sujith, P. K. Chauhan , J. Gangadhar, A. Maheshwari, Graphene nanoplatelets dispersed silicon oxycarbide polymer derived nanocomposites, Scientific Reports, 8[1], 1-9 (2018), SCI (Nature, IF-4.4).
	5. K. Archana, N. G. Pillai, K. V. Srinivasan, P. K. Chauhan , K. Rhee, A. A. Azeez, R. Sujith, Enhanced isosteric heat of adsorption and gravimetric storage density of hydrogen in GNP incorporated Cu based core-shell metal-organic framework, International Journal of Hydrogen Energy, 45 [58], 33818-33831, SCI (Elsevier, IF-5.8)

Awards & Honours	
	DST Research Fellowship, SERB, Govt. of India
	GATE Fellowship from MHRD
	Defense Fellowship for UG studies.
Workshops / Seminars / Conferences / Training Programs Attended	1. P. K. Chauhan , R Sujith, R Parameshwaran, Role of polysiloxanes in synthesis of hierarchical aligned mesoporous silicon oxycarbide ceramics, Indian Institute of Metals, NMD-ATM, 71 ST Annual Technical meeting, November 11-14 th 2017, BITS-Pilani, Goa
	2. V. Vidhu Kiran ,V Bhuvanesh, P. K. Chauhan , Piyush Lalwani, Vaibhav Sharma, Siva Prasad AVS, Ravindran Sujith, Hydrogen adsorption in graphene sheets: Experimental investigation and numerical simulations, International Conference on Ceramic Materials and Components for Energy and Environmental Applications (CMCEE 2018), 22-27 th July 2018, NUS Singapore.
	3. FDPs on Solid works, Industry 4.0
Workshops / Seminars / Conferences / Training Programs Conducted	