Name of Faculty	Dr. Ashutosh Sahu
Designation	Assistant Professor
Nature of Job/Appointment	Regular
Date of Joining	07-03-2022
E-mail	ashutosh_mech@cbit.ac.in

Education Qualifications	**Name of the Degree**	**Class**
Ph. D	Doctor of Philosophy (Metallurgical and materials engineering), IIT Kharagpur.	Awarded
PG	M. Tech (Metallurgical Engineering) IIT-BHU Varanasi.	First
UG	B. Tech (Mechanical Engineering) GIET Gunupur under BPUT Odisha.	First

Work Experience

Teaching	2 years and 4 months
Research	2 years and 6 months
Industry	1 year and 10 months
Others	--

Area of Specialization	Powder metallurgy, physical metallurgy, metal forming, foundry
Professional Memberships	--
Responsibilities held at Institution Level	--
Responsibilities held at Department Level	--
Research Guidance	--
Awards Received	--
Courses Handled at Under Graduate / Post Graduate Level.	--
No. of Papers Published	National Journals – 00 International Journals – 12 National Conference – 00 International Conference – 02
Projects Carried out	--
Patents	--
Technology Transfer	--
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)**

4 Attended

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

International Journal

1. A. Sahu, R.S. Maurya, L.K. Singh, T. Laha, Analyzing the effects of milling and sintering parameters on crystalline phase evolution and mechanical properties of Al86Ni8Y6 and Al86Ni6Y4.5Co2La1.5 amorphous ribbons, https://doi.org/10.1007/s40195-021-01341-y.
2. A. Sahu, R.S. Maurya, S. Dinda, T. Laha, Phase evolution-dependent nanomechanical properties of Al86Ni8Y6 and Al86Ni6Y4.5Co2La1.5 spark plasma-sintered bulk amorphous composites, Metallurgical and Materials Transactions A 51A (2020) 5110-5119.
3. R.S. Maurya, A. Sahu, T. Laha, Nanoindentation study on Al86Ni8Y6 glassy alloy synthesized via mechanical alloying and spark plasma sintering, International Journal of Materials Research 111 (2020) 1-8.
4. A. Sahu, R.S. Maurya, T. Laha, Non-isothermal crystallization behavior of Al86Ni8Y6 and Al86Ni6Y4.5Co2La1.5 melt-spun ribbons, milled ribbon particles and bulk samples consolidated by spark plasma sintering, Thermochimica Acta 684 (2020) 1-11.
5. A. Sahu, R.S. Maurya, T. Laha, Comparative study on sintering behavior of Al86Ni6Y4.5Co2La1.5 mechanically alloyed amorphous powder and melt-spun ribbon, Advanced Powder Technology 30 (2019) 691-699.
6. A. Sahu, R.S. Maurya, T. Laha, Effect of sintering temperature on phase evolution of Al86Ni6Y4.5Co2La1.5 bulk amorphous composites synthesized via mechanical alloying and spark plasma sintering, Progress in Natural Science: Materials International 29 (2019) 32-40.
7. T. Thomas, C. Zhang, A. Sahu, P. Nautiyal, A. Loganathana, T. Laha, B. Boesl, A. Agarwal, Effect of graphene reinforcement on the mechanical properties of Ti2AlC ceramic fabricated by spark plasma sintering, Materials Science and Engineering A 728 (2018) 45-53.
8. A. Loganathan, A. Sahu, C. Rudolf, C. Zhang, S. Rengifo, T. Laha, B. Boesla, A. Agarwal, Multi-scale tribological and nanomechanical behavior of cold sprayed Ti2AlC MAX phase coating, Surface and Coatings Technology 334 (2018) 384-393.
9. R.S. Maurya, A. Sahu, T. Laha, Effect of sintering temperature on phase transformation during consolidation of mechanically alloyed Al86Ni6Y6Co2 amorphous powders by spark plasma sintering, Journal of Non-Crystalline Solids 453 (2016) 1-7.
10. R.S. Maurya, A. Sahu, T. Laha, Microstructural and phase analysis of Al based bulk metallic glass synthesized by mechanical alloying and consecutive spark plasma sintering with varying consolidation pressure, Advanced Materials Letters 7 (2016) 187-191.
11. R.S. Maurya, A. Sahu, T. Laha, Quantitative phase analysis in Al86Ni8Y6 bulk glassy alloy synthesized by consolidating mechanically alloyed amorphous powder via spark plasma sintering, Materials and Design 93 (2016) 96-103.
12. R.S. Maurya, A. Sahu, T. Laha, Effect of consolidation pressure on phase evolution during sintering of mechanically alloyed Al86Ni8Y6 amorphous powders via spark plasma sintering, Materials Science and Engineering A 649 (2016) 48-56.

International Conferences

1. A. Sahu, A. Behera, Semi-solid processing and tribological characteristics of Al-Cu Alloy, Materials Today: Proceedings 2 (2015) 1175-1182.
2. A. Behera, S. Aich, a. Behera, A. Sahu, processing and characterization of magnetron sputtered Ni/Ti thin film and their annealing behaviour to induce shape memory effect, Materials today: proceedings 2 (2015) 1183-1192.