

Bio Data

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DOB: 21st September 1983

Qualification:

M. Tech (Met. & Mat. Engg.), NIT, Rourkela

Experience:

SLNo	Duration		Designation	Organisation
	From	To		
1	28th Feb 2009	till date	Assistant Professor	MME Dept., IGIT Sarang
2	20th Sept. 2005	19th Jul. 2008	Guest Lecturer (Consolidated).	MME Dept., IGIT Sarang

Short term Course/ Training programme

SLNo	Duration		Short term Course/ Training programme	Organisation
	From	To		
1	12 th March 2018	16 th March 2018	Short Term Programme on Nanomaterials Science and Technology	MME Dept., IGIT Sarang
2	6 th March 2018	7 th March 2018	Workshop on Outcome based Accreditation for UG PG Engineering Program	NPIU (TEQIP-III), IGIT Sarang
3	27 th March 2017	31 st March 2017	Short Term Course on Recent Trends in Advance Materials, Mechanical Design and its Applications (RTAMMDA-2017)	Mechanical Engineering Dept., IGIT Sarang
4	19 th December 2016	24 th December 2016	Short Term Course on Principles of Steel Making	IIT Bombay
5	11 th July 2016	16 th July 2016	Short Term Training Programme on Emerging Trends in Energy Management & Their Applications (ETEMA-2016)	Mechanical Engineering Dept., IGIT Sarang
6	19 th March 2016	21 st March 2016	National Workshop on Technical Document Writing Using LaTeX	Dept. of CSE&A and Dept. of Physics, IGIT, Sarang
7	17 th March 2014	29 th March 2014	Short Term Course on Statistics for Experimentalists	Dept. of Chemical Engg., IIT Madras
8	20 th Oct 2012	29 th Oct 2012	Training in DRI Plant	Narberham Power and Steel Pvt. Ltd., Dhenkanal

Publications:

Year	SL No	Author(s)	Topic	Publisher
Journals				
2018	1	S. K. Sahoo, J. Majhi, A.B. Pattnaik, J.K. Sahoo, & S. Das	Mechanical properties enhancement and microstructure study of Al-Si-TiB ₂ in situ composites.	IOP Conf. Series: Materials Science and Engineering 338 (2018) 012060 doi:10.1088/1757-899X/338/1/012060
2018	2	J. Majhi, S.K. Sahoo, S.C. Pattnaik, B Sarangi, & N.K. Sachan	Effect of alumina on grain refinement of Al-Si hypereutectic alloys.	IOP Conf. Series: Materials Science and Engineering 338 (2018) 012048 doi:10.1088/1757-899X/338/1/012048
2018	3	S. K. Sahoo, J. Majhi, J. K. Sahoo, A. K., Bairagi, S. Sahoo, & B.P.Sahoo.	Dry Sliding Wear Behaviour of Al-Si-TiB ₂ In-Situ Composites	International Journal of Advanced Mechanical Engineering, ISSN 2250-3234 Volume 8, Number 1 (2018), pp. 27-36.
	4	J. Majhi, S.K. Sahoo, S.C. Pattnaik, B Sarangi, & R. Mohanty	Oxidation Behavior of Mo-Si-W Ternary Alloys in the Temperature Range of 400 C-900 C, 5.	International Journal of Advanced Mechanical Engineering, ISSN 2250-3234 Volume 8, Number 1 (2018), pp. 237-244
2017	5	S.K. Sahoo, J. Majhi, S.C. Pattnaik, A. Behera, J.K. Sahoo, & B.P. Sahoo	Characterisation of Al-Si-TiB ₂ In-situ Composite Synthesised by Stir Casting Method.	Elixir Materials Science 113, 49066-49069
2017	6	J.K.Sahoo, S.K.Sahoo, H.Sutar and B.Sarangi	Wear behavior of Al-Si alloy based metal matrix composite reinforced with TiB ₂	IOP Conf. Series: Materials Science and Engineering 178 (2017) 012025 doi:10.1088/1757-899X/178/1/012025
2014	7	S. C. Pattnaik, P. K. Swain, P. K. Mallik, S. K. Sahoo	Wear Characteristics of Aluminium-Graphite Composites Produced by Stir Casting Technique	Journal of Materials and Metallurgical Engineering ISSN: 2231-3818 (online), ISSN: 2321-4236 (print) Volume 4, Issue 3 (2014)
2013	8	S. K. Sahoo, S. C. Pattnaik, S. Sen, J. Majhi	An Austempering Study of Ductile Iron and the Effect of Copper Addition on the Tensile Properties of Austempered Ductile Iron	Journal of Materials and Metallurgical Engineering, Volume 3, Issue 2, ISSN: 2231 – 3818 (2013)
International Conference				
2012	1	Ajit Behera, S. K. Sahoo and S. C. Mishra	Coating Material Interaction on Metal Substrate by Application of Plasma Spraying	3 rd Asian Conference on Mechanics of Functional Materials & Structures, IIT Delhi, Dec 5-8, 2012

National Conference				
2014	1	Suresh Chandra Patnaik, Pravat K. Swain, Prafulla Kumar Mallik, Sandeep Kumar Sahoo	Production of Aluminium-Graphite Composites Using Stir Casting Method and their Mechanical Characterization	National Seminar on Recent Advancement in Material Sciences (RAIMS-14), VSSUT, Burla, August 23-24, 2014.
2013	2	P.K.Mallik, S.C.Patnaik, S.K.Sahoo, J.Majhi	A comparative Study on the densification of Spark Plasma Sintered with microwave and conventional sintered Zirconia Ceramics, National Conference on	National Conference on Modern Trends in Engineering Solutions, (NCMTES-2013), 21-22 Dec 2013, IGIT, Sarang.
2013	3	S.K.Sahoo, S.C.Patnaik, J.Majhi	Mechanical Properties Enhancement of Ductile Iron by Austempering and Copper Addition	MOMAVEA, March 30-31, 2013, IGIT, Sarang.
2013	4	J.Majhi, S.C.Patnaik, S.K.Sahoo	Isothermal Oxidation Behavior of MoSi ₂	MOMVEA-2013, March 30-31, 2013, IGIT, Sarang.
2011	5	S.K.Sahoo, S.C.Patnaik, S.Sen,	A Study on the Effect of Austempering Temperature, Time and Copper Addition on the Tensile Properties of Austempered Ductile Iron	National Conference on Emerging Trends and its Application in Engineering, IGIT, Sarang, December 26-28, 2011.