

RESUME

Name : **Sagram Hembrom**

Father's Name : Sri Madhu Sudan Hembrom

Date of birth : 03/02/1976

Date of Joining : 07/09/2006

Address : Assistant Professor
Department of Metallurgical Engineering
P.O- Sindri Institute, B.I.T. Sindri, District.-Dhanbad, PIN-828123,
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Nationality : Indian

Experiences : Presently, I am working as a Assistant Professor in the department of Metallurgical Engineering since 07 September 2006 at B.I.T, Sindri Dhanbad, Jharkhand(Higher, Technical Education and Skill Development Department, Govt. of Jharkhand).

Title of the Ph.D. Thesis : "Studies on Mechanical properties of Aluminium based Nanocomposite".

Educational Qualification :

Sl.No.	Exam. passed	Name of Board/Univ.	Class/ Division	Year
1	B Sc. Engg. (Metallurgy)	Ranchi Univ. Ranchi	I	2000
2	M.Tech.(Physical Metallurgy)	V.B.U.Hazaribag	I	2011
3	Ph.D	V.B.U.Hazaribag	Awarded	2017

Name of the Short term courses attended:

Sl.No.	Name of the courses	Name of the Institute	Duration of the course	No. of Weeks
1	Developing personal & Professional effectiveness.	XLRI, Jamshedpur	16.12.2006 To 24.12.2006	02
2	Processing of Iron Ores	NML, Jamshedpur	28.11.2007 To 1.12.2007	01
3	National workshop on Industry Institute Interaction	B.I.T.Sindri	13.7.07 -14.7.2007	2 Days
4	Non Destructive Testing & its applications in Industry	IIT, Roorkee	2.6.2008 -6.6.08	01
5	Leadership skills for Technical Teachers	NITTTR, Kolkata	20.10.2008-24.10.08	01
6	Agglomeration & Characterization of Iron bearing raw materials	NML, Jamshedpur	16.04.08 -18.4.2008	3 Days
7	Indian property rights	B.I.T, Sindri	13.9.2008 -14.9.2008	2 Days
8	Recent advances in materials & processing Technologies	NIT, Tiruchirappalli	1.06.09-12.06.2009	02
9	Mission 10X Workshop	B.I.T. Mesra Ranchi	22.11.10 - 26.11.2010	01
10	Exposure on MAT LAB	NITTTR, Kolkata	4.6.2012-15.6.2012	02
11	Performance Enhancement Skills.	B.I.T. Sindri	23.7.2012-3.7.2012	02
12	Application of Renewable Energy Sources.	IIT, Delhi	11.12.13-17.12.2013	
13	Advanced Aerospace materials: processing characterization and applications.	IIT, Roorkee	06.06.2015-5.6.2015	01
14	Personality Development	B.I.T. Sindri	26.10.15- 06.11.15	02
15	Polymer Composites and Nanocomposites	NITTTR, Kolkata	12.06.17 to 16.06.17	01
16	ICT Skills for Teachers	B.I.T. Sindri	19.6.17 to 24.6.17	01
17	Mineral Processing: Principles, Processes & Practice	IIT (ISM) Dhanbad	26.6.17 to 01.7.17	01
18	Understanding Metallurgy of steel for its effective utilization	BIT Sindri, Dhanbad	27.10.18 to 28.10.18	2 days
19	Advanced Industrial Automation using PLC and SCDA	BIT Sindri, Dhanbad	1.11.18 to 5.11.18	01
20	Deep Learning and applications	BIT Sindri, Dhanbad	9.10.19 to 13.10.19	01
21	Nano-Scale surface characterization by STM and PQMS analysis	BIT Sindri, Dhanbad	8.1.20 to 12.1.2020	01
22	Digital Transformation in Teaching Learning Process (SWAYAM)	IIT Bombay	06/4/20 to 22/4/2020	02
23	Basic Metallurgy	Tata Steel Jamshedpur	27/4/2020	1 day
24	Research methodology Tools and Techniques(RMTT)	Priyadarshini College of Engg, Nagpur	29/5/20 to 2/6/2020	01
25	Art of online teaching Research Paper writing & Patent Registration	SSBES Nanded(MS)	18/5/20 to 20/5/2020	3 days

26	Quality Concept (QC,Kaizen,5S,SPC & Six Sigma)	BIT Sindri with QCFI Rourkela	5/6/20 to 9/6/2020	01
27	Green Energy Technology for Sustainable Development	NIT Kurukshetra and GEC Bikaner	11/6/20 to 20/6/2020	02
28	Entrepreneurship	BIT Sindri with BITSANA North America	6/5/20 to 24/6/2020	01 Month
29	Challenges in Grid Integration with Renewable energy Sources	NIT Kurukshetra & GEC Bikaner	22/6/20 to 26/6/2020	01
30	Faculty Development programme for Engineering colleges on Virtual Labs	Jharkhand University of Technology and BIT Sindri with NIT Surathkal	29/6/2020	01 day
31	Environmental Crisis and Sustainable Development	NIT Kurukshetra and GEC Bikaner	1/7/20 to 5/7/2020	01
32	Research and practices in Civil Engg.	IGIT Sarang, Odisha	3/8/20 to 7/8/2020	01
33	Indigenous Instrumentation for nano Technology	B.I.T. Sindri Dhanbad	11/9/2020	01 day
34	Open die forging of Metal Matrix composite –FEM Simulation	B.I.T. Sindri, Dhanbad	12/9/2020	01 day
35	Ground Improvement using Geosynthetics	B.I.T. Sindri,Dhanbad	12/9/2020	01 day
36	Machine Learning and its applications to Big data	GIET Jodhpur	14/9/20 to 19/9/2020	01
37	Current Industrial Alacrity and Career Opportunity in the field of Mechanical engineering	B.I.T. Sindri, Dhanbad,Jharkhand	02/11/2020 to 06/11/2020	01
38	Advances surface Engineering: Special Process & Practices	B.I.T. Sindri,Dhanbad	28/12/2020 to 1/1/2021	01
39	Professional Development Training Programme on Research Methods	IIM BODH GAYA	18/1/21 to 23/1/2021	01
40	E-Awareness workshop (NPTEL)	B.I.T. Sindri,Dhanbad	05/5/2021	01 day
41	Policies and Practices for sustainable Environment (International Webinar)	B.I.T. Sindri (Chemistry deptt.)	05/6/2021	01 day
42	Advances in Manufacturing (TEQIP-III)	BIT Sindri	15/6/21 to 19/6/21	01

PUBLICATIONS IN INTERNATIONAL JOURNAL PAPER:

- S.Hembrom**, B.N.Roy, N. Khobragade, D.Roy, “Studies on Amorphous Alloy Dispersed Aluminium Matrix Composite Prepared by High Pressure Torsion. Journal of Materials Science Research; Vol. 5, No. 1; December 29, 2015.
- S.Hembrom**, B.N.Roy, D.Roy, Studies on mechanical properties of Al base nanocomposite, International Journal of Scientific & Engineering Research, Volume 7, Issue 2, February-2016.

3. **S.Hembrom**, B.N.Roy, G.Kumar "Comparative Study of Conventional and Hybrid Microwave Sintering of Aluminum and Magnesium based Nanocomposites". International Journal of Engineering Technology, Management and Applied Sciences. August 2015, Volume 3, Issue 8, ISSN 2349-4476.
4. B.N.Roy and S.Hembrom "Effect of Al₂O₃ on Mechanical Properties of Al–Matrix Nano Composite" International Journal of Trend in Research and Development, Volume 3(3), May-June 2016, ISSN: 2394-9333.
5. **S. Hembrom**, Dr. B.N.Roy and Dr. D. Roy "Mechanical Properties of Al base Metal Matrix Composites: A Review", International Journal of Trend in Research and Development, Volume 3(6), Nov-Dec 2016, ISSN: 2394-9333.
6. **S. Hembrom**, Dr. B.N.Roy and Dr. D. Roy " Life Cycle Assessment in Charcoal and Steelmaking Processes: Review" International Journal of Trend in Research and Development, Volume 3(6), Nov-Dec 2016 , ISSN: 2394-9333.
7. **Sagram Hembrom** and N.Kisku "A Review: Engineering Sustainability- (Exergy Concept)" International Journal of Trend in Research and Development, Volume 3(6), Nov-Dec 2016, ISSN: 2394-9333.
8. **S.Hembrom** "Effect of green inhibitors in high carbon steel at different temperatures" International Journal for Research in Engineering Application & Management (IJREAM) Vol-04, Issue-10, Jan 2019, ISSN : 2454-9150 .
9. **S.Hembrom** "A Review:Engineering application of Metal Matrix Composites. " International Journal of Scientific Research and Reviews, IJSRR, Vol. 8, Issue 1, Jan. –March, Issue 2019. 8(1), P-1160-1167, ISSN: 2279–0543.
10. **Sagram Hembrom** "Study on mechanical properties of different reinforcement on aluminium matrix composite", Journal of Engineering Sciences, Vol 11, Issue 5,May/ 2020,P-92-96, ISSN NO: 0377-9254 .
11. **Sagram Hembrom** "Study on the application of iron and steel making slag in agriculture ", Journal of Engineering Sciences, Vol 11, Issue 5,May/ 2020,P-362-370, ISSN NO: 0377-9254 .
12. . **Sagram Hembrom** "Study on recycling and treatment of automotive aluminium scrap and their applications " Compliance Engineering Journal, Volume 11, Issue 6, June-2020, Page No: 387-399, ISSN NO: 0898-3577.
13. **Sagram Hembrom** "Study on aluminium based metal matrix composite and their applications" Compliance Engineering Journal, Volume 11, Issue 11, November-2020, Page No: 11-21, ISSN NO: 0898-3577.

INTERNATIONAL AND NATIONAL CONFERENCE/SEMINAR / WORKSHOP

PRESENTATIONS:

- 1 S.Hembrom, B.Mardi, B.N.Roy, D.Roy "Studies on Amorphous Alloy Dispersed Aluminium Matrix Composite Prepared by High Pressure Torsion".NMD-ATM-2013, IIT, BHU, Varanasi, November 12-15.
- 2.Dr B.N.Roy, S.Hembrom " Present status of refractory industries in our country" (IEI) & CSIR, Central Institute of Mining and Fuel Research, Digwadih, Campus,Dhnabad,Jharkhand,March,10,2014
- 3.N.Kisku,S.Hembrom,R.Murmu"Green Building-A New Approach" B.I.T. Sindri,Dhanbad,EES,2013.

Declaration: I hereby declare that the above mentioned information is correct to the best of my knowledge & belief.

SAGRAM HEMBROM