

# **BIODATA**

## **PERSONAL DETAILS**

**NAME:-** JOGENDRA MAJHI

**FATHER'S NAME:-** LATE GIPINATH MAJHI.

**CATEGORY:-** ST

**DATE OF BIRTH:-** 24.05.1977

**NATIONALITY:-** INDIAN

**PERMANENT ADDRESS:-** AT- KULDIHI, PO- BALIBANDYA, VIA- JHUMPURA,  
DIST- KEONJHAR, ORISSA, PIN – 758031.

**CORRESPONDENCE ADDRESS:-** QUARTER NO:-DR-16, IGIT SARANG, DIST-  
DHENKANAL, ODISHA-759146.

**EMAIL ID:-** jogia7924@gmailcom.



## **EDUCATIONAL QUALIFICATION:**

SL.NO	NAME OF EXAM	NAME OF SCHOOL / COLLEGE	YEAR OF PASSING	BRANCH	DIVISION	%AGE OF MARKS
1	10 <sup>TH</sup>	Balibandha high school	1993	General (Oriya medium)	2 <sup>nd</sup>	47.6
2	+2 SC.	AVM College Sirigida	1997	Science	2 <sup>nd</sup>	57.33
3	B.E	IGIT Sarang	2002	Metallurgy	1 <sup>st</sup>	63.6
4	M.TECH	IIT Kharagpur	2007	Metallurgy	1 <sup>st</sup>	69.9
5	PhD	IGIT Sarang		Metallurgy	Continuing	

## **WORKING EXPERIENCE:-**

SL. NO	PLACE OF WORKING	DESGINATION	WORKING PERIOD	NATURE OF WORK
1	IGIT SARANG	LECTURER	19.03.2012 to Till Date	Teaching
3	HAL Koraput	Engineer	26.07.11 - 15.03.2012	Methods in-charge for one and half year.
2	HAL Koraput	Asst. Engineer	20.01.07 - 25.02.10	1. In-charge of precious engine investment castings for 1 year. 2. Melting in-charge of blade as well as other investment castings for one and half year. 3. Fettling in-charge for 1 year.
1	IGIT SARANG	GUEST LECTURER	June'05- Dec,06	Teaching

**PUBLICATIONS/CONFERENCES:-**

Sl.No.	Year	Conference/Journal Name	Authers	Title
1	2019	Journal of Materials & Metallurgical Engineering. ISSN: 2231-3818 (Online), ISSN: 2321-4236 (Print) Volume 9, Issue 2	<i>S.K. Sahoo, S.C.Mishra, B. Sarangi, S.C. Patnaik, J. Majhi</i>	A Literature Review on Al-Si-TiB <sub>2</sub> In situ Metal Matrix Composites
2	2018	IOP Conf. Series: Materials Science and Engineering 338 (2018) 012060 doi:10.1088/1757-899X/338/1/012060	S. K. Sahoo, J. Majhi, A.B. Pattnaik, J.K. Sahoo, & S. Das	Mechanical properties enhancement and microstructure study of Al-Si-TiB <sub>2</sub> in situ composites
3	2018	International Journal for Scientific Research & Development  Vol. 6, Issue 07, 2018   ISSN (online): 2321- 0613	J. Majhi S. K. Sahoo, S. C. Patnaik, B. Sarangi, A. Behera	Effect of Pouring Temperature in Al-16Si-1Al <sub>2</sub> O <sub>3</sub> Hypereutectic Alloys
4	2018	International Journal of Scientific & Engineering Research Volume 9, Issue 4, April-2018, ISSN 2229-5518	J.Majhi, J.K.Sahoo, S.C. Patnaik, B. Sarangi, S.K.Sahu	Effect of addition of 2%Al <sub>2</sub> O <sub>3</sub> for grain refinement of Al-16Si Hypereutectic Alloys at 770°C
5	2018	International Journal of Scientific & Engineering Research Volume 9, Issue 4, April-2018, ISSN 2229-5518	S.K. Sahoo, J. Majhi, B. Sarangi, S.C. Patnaik, J.K. Sahoo	Processing and characterization of in-situ Al-Si-2TiB <sub>2</sub> Composites
6	2018	IOP Conf. Series: Materials Science and Engineering 338 (2018) 012048 doi:10.1088/1757-899X/338/1/012048	J. Majhi, S.K. Sahoo, S.C. Patnaik, B Sarangi, & N.K.Sachan	Effect of alumina on grain refinement of Al-Si hypereutectic alloys.
7	2018	International Journal of Advanced Mechanical Engineering, ISSN 2250-3234 Volume 8, Number 1 (2018), pp. 27-36.	S. K. Sahoo, J. Majhi, J. K. Sahoo, A. K., Bairagi, S. Sahoo, & B.P.Sahoo.	Dry Sliding Wear Behaviour of Al-Si-TiB <sub>2</sub> In-Situ Composites
8	2018	International Journal of Advanced Mechanical Engineering, ISSN 2250-3234 Volume 8, Number 1 (2018), pp. 237-244	J. Majhi, S.K. Sahoo, S.C. Patnaik, B Sarangi, & R.Mohanty	Oxidation Behavior of Mo-Si-W Ternary Alloys in the Temperature Range of 400 C-900 °C, 5
9	2017	Elixir Materials Science 113, 49066-49069	S.K. Sahoo, J. Majhi, S.C. Patnaik, A. Behera, J.K.Sahoo, & B.P. Sahoo	Characterisation of Al-Si-TiB <sub>2</sub> In-situ Composite Synthesised by Stir Casting Method

10	30-31 March -2013	Multi-Objective Optimization using Metaheuristic Approaches in Various Engineering Applications (MOMAVEA-2013) I G I T, Sarang, Orissa, India	J.Majhi, S.C.Patnaik & S.K.Sahoo	Isothermal Oxidation Behavior of MoSi <sub>2</sub> .
11	30-31 March -2013	Multi-Objective Optimization using Metaheuristic Approaches in Various Engineering Applications (MOMAVEA-2013) I G I T, Sarang, Orissa, India	S.K.Sahoo, S.C.Patnaik & J.Majhi	Mechanical Properties Enhancement of Ductile Iron by Austempering and Copper Addition.
12	2013	Journal of Materials and Metallurgical Engineering ISSN 2231 - 3818, Vol 3 No 2	S.K.Sahoo, S.C.Patnaik, S.Sen, & J.Majhi	An Austempering Study of Ductile Iron and the Effect of Copper Addition on the Tensile Properties of Austempered Ductile Iron
13	21-22 Dec- 2013	National Conference On Modern Trends in Engineering solutions (NCMTES-2013) I G I T, Sarang, Orissa, India	P.K.Mallik, S.K.Sahoo, S.C.Patnaik & J.Majhi	A comparative study on the densification of spark plasma sintered with microwave and conventional sintered zirconia ceramics.

#### Short Term Course/ Training Programme

Sl.No.	Duration		Details of Short term Courses/ Training Programme	Organisation
	From	To		
1	2 <sup>nd</sup> August 2018	3 <sup>rd</sup> August 2018	Workshop on MOOCs- A Tool for Efficient Academic Management	IGIT Sarang in collaboration with Calcutta University, Kolkata
2	28 <sup>th</sup> May 2018	1 <sup>st</sup> June 2018	Workshop on Active learning, Autonomy, Academic Governance and R & D	Dept. of Management Studies IIT Roorkee
3	12 <sup>th</sup> March 2018	16 <sup>th</sup> March 2018	Short Term Programme on Nanomaterials Science and Technology	MME Dept., IGIT Sarang
4	6 <sup>th</sup> March 2018	7 <sup>th</sup> March 2018	Workshop on Outcome based Accreditation for UG PG Engineering Program	NPIU (TEQIP-III), IGIT Sarang
5	27 <sup>th</sup> March 2017	31 <sup>st</sup> March 2017	Short Term Course on Recent Trends in Advance Materials, Mechanical Design and its Applications (RTAMMDA-2017)	Mechanical Engineering Dept., IGIT Sarang
6	19 <sup>th</sup> Dec 2016	24 <sup>th</sup> Dec 2016	QIP Short Term Course on Principles of Steel Making	IIT Bombay
7	11 <sup>th</sup> July 2016	16 <sup>th</sup> July 2016	Short Term Training Programme on Emerging	Mechanical Engineering Dept., IGIT Sarang

			Trends in Energy Management & Their Applications (ETEMA-2016)	
8	17 <sup>th</sup> March 2014	29 <sup>th</sup> March 2014	Short Term Course on Statistics for Experimentalists	Dept. of Chemical Engg., IIT Madras
9	20 <sup>th</sup> Oct 2012	29 <sup>th</sup> Oct 2012	Training in DRI Plant	Narbheram Power and Steel Pvt. Ltd., Dhenkanal

### **Memberships/Involvement**

1. Life Member of Indian Institute of Metals.
2. VP-SPER, IGIT Sarang.
3. Member of T&P, IGIT Sarang.

### **HIGH LIGHTED AREAS:-**

#### **1. In-charge of Investment castings for Aero Engines:-**

- Pattern making of around 250 types of investment parts with preferable gating system.
- Shell making of 250 types Engine parts of Aircraft.

#### **2. Melting in-charge:-**

- Melting and pouring of 300 types of investment castings in VACUUM as well as OPEN pouring for fighter planes and aircrafts in HAL and other organizations like VSSC, ISRO, BHEL etc.
- Melting and pouring of different types of typical blades used in SU-30MKI and other engine parts.

#### **3. Fettling In-charge:-**

- Cutting, Blasting, Leveling as per technology.

#### **4. Methods in-charge:-**

- Test schedule preparation of new alloys:-
  - a) Ni-base
  - b) Al-base
  - c) Fe-base
- Test schedule preparation for different type of parts of different alloys.
- Preparation of Technology of different types of parts of Investment, Sand and Die castings.

Jogendra Majhi

Place:- IGIT Sarang  
Date:-12-02-2019