



BIO-DATA

1. Name and full correspondence address: Dr.Manas Ranjan Majhi
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Indian Institute of Technology (BHU)
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: 9415570267(Mob.)
3. Institution: Indian Institute of Technology (BHU), Varanasi
4. Date of Birth: 01-06-1979
5. Gender(M/F/T) : Male
6. Academic Qualification

S.No.	Degree	Year	Subject	University/Institution
1.	B.Tech.	2001	Ceramic Engineering	NIT, Rourkela
2.	M.Tech	2006	Ceramic Engineering	IIT(BHU)
3.	PhD	2012	Ceramic Engineering	IIT(BHU)

7. PhD thesis title, Guide Name Institute/Organizations/University, Year of Awards:

PhD thesis title,	Guide Name	Institute/Organizations/University	Year of Awards
Studies on preparation and characterizations of phosphate based bio glass and bio glass ceramics	1.Prof. Ram Pyare, Ceramic Engineering., IIT(BHU)	Indian Institute of Technology (BHU), Varanasi	2012
	2.Prof. S.P.Singh Ceramic Engineering., IIT(BHU)		

8. Work experience(chronological order)

S.No.	Positions held	Name OF the Institute	From	To	Pay Scale
1.	Assistant professor	IIT(BHU)	30-10-2007	09-12-2015	37000+9000
2.	Associate Professor	IIT(BHU)	10-12-2015	Till date	158300

9. Professional Recognition/Awards/Certificates, Fellowship received by the applicants.

S.No.	Name of award	Awarding agency	year
1.	JRF	IMMT, Bhubaneswar	2003
2.	JRF	MHRD	2006
3.	SRF	MHRD	2007

10. Publications(List of paper published in SCI Journals ,year wise descending order)

S.	Authors	title	Name of the	Vol.	page	year
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No.			journals			
1.	N.Pandey , I Chakraborty and M. R. Majhi	effect of sintering temperature on microstructure and flexural strength of alumina borate whisker	journal of Material Research Express	6	1-10	2019
2.	N.Pandey ,S.C Ram , I Chakraborty and M.R. Majhi	microstructure and mechanical behavior of ABO _w reinforced aluminum matrix composite synthesized by powder metallurgy route	” Material sc. And engineering (IOP)	653	1-8	2019
3.	N.Pandey ,S.C Ram , I Chakraborty and M.R. Majhi	mechanical properties of coated and without coated aluminum boron based refractory castable for petrochemical industry application	Material today proceeding	-	IN PRESS	2020
4.	Niraj Singh Mehta, Praveen Kumar Sahu, Pankaj Tripathi, Ram Pyare, Manas R. Majhi,	Influence of alumina and silica addition on the Physico-Mechanical and dielectric behavior of ceramic porcelain insulator at the high sintering temperature	, Journal of the Spanish Ceramic and Glass Society,	57	151-159	2018
5.	Niraj Singh Mehta, Praveen Kumar Sahu, MdErshad, Vipul Saxena, Ram Pyare and Manas R Majhi	Effect of ZrO ₂ on the sintering behavior, strength and high-frequency dielectric properties of electrical ceramic porcelain insulator	Mater. Res. Express 5 (2018)	5 (015 202)	1-11	2018
6.	Niraj Singh Mehta1 , J C Pandey2 , Neeraj Pandey1 , Ram Pyare1 and Manas Ranjan Majhi1	Developing a high strength physico-mechanical and electrical properties of ceramic porcelain insulator using zirconia as an additive	Materials Research Express	5 0752 02	1-12	2018
7.	Niraj Singh Mehta, and Manas RanjanMajhi	Effect of sintering on physical, mechanical and electrical properties of alumina-based porcelains insulator using economic raw materials doped with zirconia	Journal of Australian ceramic society	55	987-997	2019

8.	A.Bharadwaj, SKS.Hission and MR Majhi	Preparation and characterization of clay bonded high strength silica refractory by utilizing agriculture waste	Journal of the Spanish Ceramic and Glass Society	56	256-262	2017
9.	SKS Hossien ,L.Mathur .P Singh and M.R.Majhi	of forsterite refractory using highly abundant amperphous rice husk silica for thermal insulation	journal of Asian ceramic society	5	82-87	2017
10.	L.Mathur, SKS Hossin , M.R.Majhi and PK Roy	synthesis of nano crystalline foresterite (MgSiO ₄) powder from bio-mass rich husk silica by solid state route	Journal of the Spanish Ceramic and Glass Society	57		2018
11.	Kumar Saurav, M.R.Majhiand and V.K.Singh	Singh “Heating and phyiso-mechanical characteristics of porous spinel developed by Starch	Journal of Ceramic Processing Research	17 (10)	1019- 1023	2016
12.	Sk. S. Hossain, L. Mathur, M. R. Majhi&P. K. Roy	Manufacturing of green building brick: recycling of waste for construction purpose	Journal of Material Cycles and Waste Management	539	281–292	2019
13.	Sandeep Kumar Yadav, Vikash Kumar Vyas, PravitaAnand, Manas RanjanMajhi and Ram Pyare	Destructive & non- destructive properties of cobalt oxide substituted 1393 bioactive glass	Rasayan Journal of Chemistry	3		2017
14.	Sandeep Kumar Yadav, Sarthak Ray, Md. Ershad, Vikash Kumar Vyas, Sunil Prasad, Akher Ali, Sushma Yadav, Manas RanjanMajhi And Ram Pyare	Development of Zirconia Substituted 1393 Bioactive Glass for Orthopedic Applicatio n	Oriental Journal Of Chemistry	33	2720-30	2017

13. Detail of patents

S. No.	Patents titles	Name of the applications	Patents no	Award date/Ap plication Date	Agency/ country	status
1.	“A Method for Preparing Tiles and omposition Thereof”,	Sk Saddam Hossain, LakshyaMathur, Preetam Singh& Manas RanjanMajhi,	201631039979	23.11.16	Patent wire Consultants Pvt. Ltd. Patent & Technology Consultants/ India	Under Review

2.	A Composition for Bricks From Waste Materials and Method of Manufacturing the same	SkSaddam Hossain, LakshyaMathur, &Manas RanjanMajhi	201631030744.	8.9.17	patent wire Consultants Pvt. Ltd. Patent & Technology Consultants/ India	Under Review
3.	A Biomass Composition for Thermal Insulation and Method of Manufacturing the same	Sk Saddam Hossain, Aman Bhardwaj& Manas RanjanMajhi	201611024361	7.7.17	patent wire Consultants Pvt. Ltd. Patent & Technology Consultants/ India	Under Review

14. Name and Place of Conference

1. Sk S Hossain, L. Mathur, Pradip K Roy, Manas R Majhi, 2017 Preparation and characterization of forsterite (Mg_2SiO_4) at low temperature by rice husk”, International Conference on Computer Communication Chemical Materials & Electronic Engineering University of Rajshahi, Bangladesh
2. Sk S Hossain, Aman Bhardwaj, Manas R Majhi, 2017 Preparation & characterization of light weight, high strength, insulating refractory by different wastes Jamshedpur
3. Vikashku. Vyas, M.R. Majhi & Ram Pyare, 2016, Bio-ceramics Bangkok, Thailand
4. Kumar Saurav, V.K. Singh, M.R. Majhi 2016 Mechanical characteristics of porous spinel developed by starch, Hyderabad
5. Rohit Gupta and M.R. Majhi 2015 Reticulated phenol formaldehyde polymer matrix doped with refractory material for aerospace application, Indian Cer. Society, at Jamshed Pur
6. P. Hemnta Kumar, A. Srivastav, V. Kumar, M.R. Majhi, and V.K. Singh 2014 Implementation of industrial waste ferrochrome slag in conventional and low cement castable: Effect of micro silica addition Indian Cer. Society, at Jamshed Pur
8. M.R. Majhi, R. Pyare and S.P. Singh 2012 Preparation and characterization of 45S5 bioglass ceramics substituted with Al_2O_3 , TiO_2 and ZrO_2 Indian Cer. Society, at AGRA
9. M.R. Majhi, R. Pyare and S.P. Singh 2011 Studies on Preparation and Characterization of Na_2O - CaO - P_2O_5 - ZrO_2 Bioglass-ceramics” Indian Cer. Society, at Kolkata
10. M.R. Majhi, R. Pyare and S.P. Singh 2009 Preparation and characterization of CaF_2 Doped Bioglass ceramics, Indian Cer. Society, at Jaipur
11. M.R. Majhi, R. Pyare and S.P. Singh 2008 Physico-chemical Properties and Characterization of CaO - Fe_2O_3 - P_2O_5 glass as a Bioactive Ceramic Material Indian Cer. Society, at

15. Any other information:

Thesis completed under my supervision 03(Ph.D.) and currently 06 Ph.D.ig undergoing

I supervised 25 M.tech thesis and 04 is M.tech thesis undergoing

Life member of Indian Ceramic Society

Life Member of Material Research Society of India
