

wear and corrosion associated with hardness, surface roughness and contact angle measurements which are useful properties for bioimplants grade.

Bachelor's Project:

Title	Effect of Plasma Nitriding on properties of EN steel (Department of Metallurgical Engineering, MNIT, Jaipur, India)
Guide	Dr. R.P. Dahiya (Director MNIT Jaipur), Prof. in Physics department) Dr. Ashok Sharma (HOD, Metallurgical Engg Department MNIT Jaipur) & Dr. S.K. Gupta (Reader, Metallurgical Engg department MNIT Jaipur)
Scope	The Project was an attempt to analyze experimentally “ the effect of plasma nitriding treatments on mechanical properties” of 19MnCr5 steel such as Hardness, Micro hardness, UTS, Ductility and Toughness in comparison with without plasma nitriding treatment on same steel. Hardness, Micro hardness, & wear resistance improved significantly with the comparison of the same non treated steel grade.

International Journal Publication

S.No.	Title of paper	Author(s)	Name of the Journal	Vol. & Year	Pages	ISSN NO
1	<i>Structural and phase analysis of multi-ion doped hydroxyapatite for biomedical applications</i>	Nimu Chand Reger, Anil Kumar Bhargava, Itishree Ratha, Biswanath Kundu, Vamsi Krishna Balla	Ceramics International	45 (2019)	252-263	0272-8842
2	<i>Wear and corrosion properties of in-situ grown zirconium nitride layers for implant applications</i>	Nimu Chand Reger, Vamsi Krishna Balla, Mitun Das, Anil Kumar Bhargava,	Surface & Coatings Technology	334 (2018)	357–364	0257-8972
3	In vitro cytotoxicity and ion release of multi- ion doped hydroxyapatite	Nimu Chand Reger, Biswanath Kundu, Vamsi Krishna Balla, Anil Kumar Bhargava	International Journal of Applied Ceramic Technology 16 (2), 503-516	1(2018)	1-14	1744-7402

Conferences / Proceedings/ Publications

NATIONAL CONFERENCES

1. **Nimu Chand Reger**, A. K. Bhargava, Vamsi Krishna Balla, “Wear Behaviour of *In-situ* grown ceramic film on Zirconium for orthopadeic implants” National Conference on Advanced Materials & Processing, held on December 2-4, 2015, MNIT Jaipur
2. **Nimu Chand Reger**, Bhawna jarwal, A K Bhargava, Techniques for Hydroxyapatite synthesis” National Conference on Advanced Materials & Processing, held on December 2-4, 2015, MNIT Jaipur
3. **Nimu Chand Reger**, Bhawna Jarwal, A. K. Bhargava, “ Synthesis Techniques for Hydroxyapatite :an overview” National Confrence on “Advanced functional Materials & their application (AFMA), Dec,11-12, 2015 held at Govt Women Engineering College Ajmer.
4. Joy Dutta, Dr. M. Mazumdar, K. K. Sinha, P. K. Mishra, **Nimu Chand Reger**, P.K. Guin, N. Dharnidhar Reddy, R. K. Saini, S. Ghosh, ” A journey for remedial measures of fish crack on hot rolled plate surface at JSPL, Raigarh” a technical poster presented at 65th annual technical meeting (49th conference National metallurgical Day) held at Hyderabad(13-16 Nov2012) .

SHORT-TERM COURSES

1. Attended successfully a 5 days short term course on “**Applied Statistics for Experiments**” sponsored by TEQIP-III organized by department of Chemical Engineering and Mechanical Engineering, **MNIT Jaipur during October 9-13, 2017.**
2. Attended successfully a 5 days Training program on “**Field Emission Scanning Electron Microscopy**” organized by department of Material Research Centre, **MNIT Jaipur during March 28-April-1, 2017.**
3. Successfully completed a 5 days short term course on “**Biomaterials and its Applications**” organized by department of Materials Science and Engineering, **Indian Institute of Technology Kanpur, from December 7-11, 2015**
4. Successfully attended a 5 days short term course on “**Structure, Properties and Applications of Engineering Materials**” organized by department of Metallurgical and Materials Engineering, **MNIT Jaipur, from July 1-5, 2013.**
5. Attended successfully a one week short term course on “**Computational Techniques in Engineering and Sciences**” organized by department of Metallurgical and Materials Engineering, **MNIT Jaipur during April 1-5, 2013.**
6. Successfully completed a two weeks short term training program on “**Recent Trends in Stainless Steel**” Jointly organized by Electrotherm (India) Ltd (ET) and Indian Stainless Steel Development Organization (ISDO) held at **Indus Institute of Technology and Engineering, Ahmadabad, Gujrat during Dec2009-January 2010.**

WORKSHOPS

1. Successfully participated in 2 days workshop on “**Foundry Aspects of Melting and Casting of Aluminum Alloys**” organized by department of Metallurgical and Materials Engineering in association with IIF Jaipur chapter, **MNIT Jaipur from October 21-22, 2016.**
2. Successfully attended in 2 days training cum workshop on “**Metallurgical Analysis by Chemical Method**” organized by department of Metallurgical and Materials Engineering, **MNIT Jaipur from October 1-2, 2016.**
3. Successfully contributed as an active volunteer for 5 days “**ASM Materials Camp**” organized by ASM International Society held at department of Metallurgical and Materials Engineering, **MNIT Jaipur during May 04-08, 2013.**
4. Successfully participated in one day workshop on “**Scanning and Transmission Electron Microscopy: Sample Preparation and Studies**” organized by department of Metallurgical and Materials Engineering in association with MRC, **MNIT Jaipur on Dec 18, 2012.**
5. Successfully participated and presented work in Two days workshop cum seminar on “**Advanced Functional Materials**” jointly organized by department of Metallurgical and Materials Engineering and MRC Jaipur during Dec 8-9, 2012.
6. Successfully participated and presented work in Two days workshop cum Seminar on” Steel forum” **Nimu Chand Reger, M K Banerjee, “Recent trends in clean steel making practices”,** organized by department of Metallurgical and Materials Engineering, **MNIT Jaipur during September 11-12, 2012.**
7. Successfully participated and contributed as an active volunteer in the **International Conference on “Technology Trends in Aluminum Cast Components & Process**” organized by department of Metallurgical and Materials Engineering, **MNIT Jaipur during December 21-22, 2008.**
8. Successfully participated and contributed as an active volunteer in the 21st national symposium on “**PLASMA Science & Technology**”, held by Physics & Metallurgical Engineering Department of **MNIT Jaipur, during Dec 15-16, 2006.**

Professional Trainings

- ☒ Completed the training on **Basic Fire Safety and Emergency Preparedness** (Theory & Practical) from Safety department JSPL Raigarh, Chhattisgarh on 24th September 2010.
- ☒ Completed training on **Basic Life Support and First Aid Skills** (Theory & Practical) from safety department at JSPL Raigarh on 11th Nov 2010.
- ☒ Professional Short Term Course on “**Electric arc furnace steel making**” by **Mr. Vishavbandhu at JSPL Raigarh.**
- ☒ **Training program attend on “MBTI” by Mr. R. S. Dabas at JSPL Raigarh.**
- ☒ Professional Short Term Course on **Advanced Power Point Presentation -2007.**

Extra Co-Curriculum Activities

- ☒ Organized Education and Science fairs as a chief organizer at Govt School Footolav to promote the value and need of education during 2013-2015.
- ☒ Agile member of NCC Air Wing Junior division at Government DARBAR Sr. Sec. School Jaipur during 2002-2003
- ☒ Participated in various dance competition at MNIT Jaipur during 2004-2008.
- ☒ Participated in various cultural activities such as Rangmanch, Mimes, at MNIT Jaipur during 2004-2008.
- ☒ Active Member of NSS team of MNIT Jaipur during 2004-2008.
- ☒ Worked as active volunteer in various programs such as AIEEE admission counseling 2005-2008, Convocation 2006 & 2007, National & International conferences (2006-2008) held at Malviya National Institute of Technology, Jaipur.

Name and address of two References:

1 st Referee		2 nd Referee	
Name	Dr. Anil Kumar Bhargava	Name	Dr. Vamsi Krishna Balla
Position	Professor and ex HOD	Position	Senior Principal scientist and Ex HOD
Address	Prof A K Bhargava, Professor and ex HOD Department of Metallurgical and Materials Engineering, JLN Marg Malaviya nagar Jaipur Rajasthan. 302017	Address	Vamsi Krishna balla, Senior Principal Scientist, Bioceramics and coating division, CSIR- Central Glass and Ceramic Research Institute, 196 Raja S C Mullick Road Kolkata -700032, India
E-mail	akbhmt@gmail.com	E-Mail	vamsi.balla@gmail.com
Phone No.	9414052177	Phone No.	9088011776

Short Term plan:

(a) Teaching

- (1) To provide good quality knowledge of Metallurgical and Materials Engineering to both UG and PG students
- (2) In addition to regular classes, to conduct extra theory classes, tutorials, and practical sessions to the students who want to pursue their career in core industries.
- (3) To develop curriculum structure /syllabus of both UG and PG upto level of IIT/IISC/foreign universities

(b) Research

- (1) To motivate both UG and PG students for conducting research projects or experiments in cutting edge of research areas such as automotive, defense, biomaterials sectors, etc.
- (2) To fetch research funding by submitting research proposals to national agencies such as MSME/DST/DRDO/PCB/BRNS/MHRD.
- (3) To conduct short term courses/seminars/conferences/workshops for improvements of our academic s well as research understandings.

Long Term plan:

(a) Teaching

- (1) To take regular transparent feedback from both UG and PG students for our continuous improvement in teaching methods.
- (2) To conduct industrial visits and collaborate with industries for hands on training to both UG and PG students.

(b) Research

- (1) To develop International level labs where UG and PG/Ph.D./Research fellows can perform experiments to enhance their knowledge in thirst areas of research
- (2) To conduct original research and try to get patents and publish good quality research works in reputed international/national Journals (SCI).

Computer/IT Expertise

Basic Computer Knowledge	: Microsoft office (XP 2003 & 2007, Vista)
Software	: Industrial SAP system version –
Languages	: Basics of C programming

Personal Dossier

Age as of July 2017	33Years and 11months
Languages Known	English, Hindi
Passport	Valid Passport (Valid till 2028)
Marital status	Married
Permanent address	D-483, Vidyadhar Nagar, Jaipur, Rajasthan India-302023