Himansu Sekhar Nanda, Ph.D

Assistant Professor, Mechanical Engineering Discipline

Indian Institute of Information Technology, Design and Manufacturing (IIITDM)-Jabalpur

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Adjunct Assistant Professor, College of Materials Science and Engineering, Beijing University of Chemical Technology (BUCT), China

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Brief Introduction:

Dr. Nanda received his Ph.D in Materials Science and Engineering with research specialization in Biomaterials from international graduate school of prestigious National Institute for Materials Science, Japan (Ranked 12th among top 25 Global Innovators: Government lab by Clarivate Analytics (2017), Thomson Reuters based on several of its research platforms such as InCites, Web of Science, Derwent Innovations Index, Derwent World Patent Index and Patent Citation Index). He holds the subsequent post-doctoral experiences in nanomedicine from KAUST Saudi Arabia (Ranked 19th in the world among the fastest rising universities for high quality research output by Nature Index Rising Stars 2016) and was a research fellow (Bioadhesives or Medical Glue) at NTU Singapore (ranked 11th in the world and 1st in Asia in the latest 2018 QS World University Rankings). He is currently working as an Assistant Professor in discipline of Mechanical Engineering at Indian Institute of Information Technology Design and Manufacturing (IIITDM) Jabalpur (an institute of National Importance, Government of India), M.P. India and holds an adjunct appointment to College of Materials Science and Engineering, Beijing University of Chemical Technology (BUCT), China. He is also a visiting professor at State Key Laboratory of Molecular Engineering of Polymers at Fudan University, China.

A. Personal Details:

1. Name in Full

First Name	Middle Name	Last Name
HIMANSU	**SEKHAR**	**NANDA**

2. Address

Present (Address for Communication)	**Permanent**
Flat No-503, NR-II	**C/O-PRADIPTA KUMAR NANDA**
PDPM-IIITDM JABALPUR **DUMNA AIRPORT ROAD, DUMNA**	**AT/PO-BARADA, VIA-BALICHANDRAPUR,** **P.S.-BALICHANDRAPUR,**
JABALPUR-482005, MP, INDIA	**DIST-JAJPUR, ODISHA, PIN -754205, INDIA**
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Email: **binodinitifr@gmail.com**, **himansu@iiitdmj.ac.in**	Email: **himansu.nandasekhar@gmail.com**

3. Date of Birth (DD/MM/YYYY):01/05/1985

4. Nationality: Indian

5. **Sex:** Male

6. **Marital Status:** Married

7. **Category:** Gen

8. **Whether Differently Abled:** No

B. Educational Details:

9. **Academic Record**

i. From Matriculation(10th) up to Graduation Level:

Degree	Year	Board/Institution/ University	Subjects/Area of Specialization	% of Marks/Division/Grade	Remarks
Matric	2000	Board of Secondary Education (BSE), Odisha	NOT APPLICABLE	79.1(%)	NILL
10+2	2002	Council of Higher Secondary Education (CHSE), Odisha	Physics, Chemistry, Math, Biology (PCMB)	66.4(%)	NILL
B-Tech	2004-2008	Biju Patanaik University of Technology (BPUT), Odisha	Biotechnology	7.59 CGPA	NILL

ii. From Post-Graduation onwards

Degree	Year	Department	University /Institution	% of Marks/ Division/Grade	Name of Supervisor/ Advisor	Thesis Title
M-Tech	2010	Center of Nanotechnology	Indian Institute of Technology (IIT) Roorkee, Uttarakhand, India	8.09 CGPA (A)	Professor R Jayaganthan and Prof. Narayan Chandra Mishra	Controlled Release Of Amphotericin B From Electrospun Nanofiber Based On Gelatin: A New Insight To Drug Delivery Against Leshmaniasis
Ph.D	2014	Materials Science and Engineering	National Institute for Materials Science (NIMS) and University of Tsukuba, Japan	NOT APPLICABLE	Professor Guoping Chen	Preparation of Porous Scaffolds with Controlled Drug Release for Tissue Engineering

10. Broad Area of Specialization: Biomaterials

11. Current Area(s) of Research: Biomaterials and Medical devices, Biomechanics

C. Professional Details:

12. Present Employment Details:

Organization	Designation	From	To	Roles and responsibilities	Scale/Pay Band & Grade Pay/Pay Matrix Basic Pay (Pay in Pay Band + Grade Pay)	Emoluments/ Total Salary in hand
IIITDM Jabalpur	Assistant Professor in Discipline of Mechanical Engineering	Oct 2017	Till	Teaching and Research	Assistant Professor Grade-II (6th CPC, 7000 AGP)	85,904 INR

13. Previous Employment Details (in reverse chronological order):

Sl. No.	Organization	Designation	Roles and responsibilities	From	To	Reason of Leaving	Scale/Pay Band & Grade Pay/Pay Matrix Basic Pay (Pay in Pay Band + Grade Pay)	Emoluments/ Total Salary in hand at the time of leaving
1	Nanyang Technological University (NTU), Singapore	Research Fellow	Research in Materials Engineering (Biomaterials, Bioadhesives, and Medical devices)	Feb 2016	Sept 2017	New job at IIITDM	62,728 SGD/annum	5,144 SGD/Month
2	King Abdullah University of Science and Technology (KAUST), Saudi Arabia	Post-Doctoral Fellow	Research inn Materials Science and Engineering (Biomaterials and nanomedicine)	Oct 2014	Jan 2016	Professor's retirement from KASUT	52,000 USD/annum	4,333 USD/Month

D. Teaching and Research Details:

14. **Courses Taught:**

Sl. No.	Course Title	Level (UG/PG)	Sole Instructor or with others	Developer of course (Yes/No)
1	Biomaterials Science and Technology	UG and PG both	Sole instructor	Yes
2	MEMS:Microfabrication and Applications	UG and PG both	Sole instructor	No
3	Engineering Materials	UG	Sole instructor	No
4	Advance Manufacturing	UG	With others	No

15. **Post Graduate & Doctoral Thesis Supervision:**

(i) Master's Level:

Sl. No.	Name of the Student(s)	Year of completion or in Progress	Name of Institution	Title of Thesis	Guide or Co-guide
1	Mohammad Aftab Alam Ansari	in progress	IIITDM Jabalpur	Surface modification of 3D printed hydrophobic scaffolds for enhanced bioactivity	Guide
2	Ankit Kumar Sahu	in progress	IIITDM Jabalpur	Design and Biomechanics of hip implant prosthesis	Guide
3	Vicky Subhash Telang	in progress	IIITDM Jabalpur	3D printed hybrid scaffolds for bone tissue engineering.	Guide

(ii) Doctoral Level:

Sl. No.	Name of the Student(s)	Year of completion or in Progress	Name of Institution	Title of Thesis	Guide or Co-guide
1	Harbhajan Ahirwar	in Progress	IIITDM Jabalpur	Biomechanical studies at implant-tissue interface. (Bone plate Biomechanics for femur fracture models)	Guide

16. Details of Administrative Experience: (NILL)

Sl. No.	Organization	Designation	From	To	Roles and Responsibilities

17. Sponsored Projects:

Sl. No.	Period	Sponsoring Organization	Title of Project	Amount of Grant	Co-Investigator(s),if any
1	04/2019-	IIITDM Jabalpur	Electrospun Nanofibrous Scaffolds for	3,00,000 INR	NILL

	04/2022		Regenerative Medicine		
2	04/2019-12/2019	State Key Laboratory of Molecular Engineering, Fudan University China	Biomimetic Bone Scaffold of tailored radial porosity gradient using Fused Deposition Manufacturing (FDM).	30,000 RMB	NILL
3	NA (under review)	Imprint II-C (DST-SERB)	Development of technology for additive manufacturing of customized Medical implants with biocompatible Magnesium and other metal alloys	1,80,00,000 INR	Prof. Puneet Tandon as PI and I am the CO-PI (Department of Mechanical Engineering, IIIT Jabalpur)
4	NA (under review)	Startup Grant (DST-SERB)	Hybrid scaffold manufacturing using surface modification of 3D-Printed hydrophobic scaffolds.	30,00,000 INR	NILL

18. Consultancy: (NILL)

Sl. No.	Period	Organization	Nature of Work	Co-Investigator(s),if any

19. Patents: (NILL)

Sl. No.	Year	Title	International/National	Status

20. Publications: (*Corresponding author, IF: Impact factors as at the time (year) of Publication)

i. Complete list of Full Papers published in Journals (SCI and Non-SCI separately):

Sl. No.	Author (s)	Year	Title	Complete Reference of Journal	Impact Factor of Journal	Citation of paper
List of SCI Journals						
1	Shah, Ankur Harish, Oleksander Pokholenko, **Himanshu Sekhar Nanda**, and Terry WJ Steele*	2019	Non-aqueous, tissue compliant carbene-crosslinking bioadhesives	Shah, Ankur Harish, Oleksander Pokholenko, **Himanshu Sekhar Nanda**, and Terry WJ Steele*. "Non-aqueous, tissue compliant carbene-crosslinking	5.1	1

				bioadhesives" **Materials Science and Engineering: C** (2019).		
2	Manisha Singh, **Himansu Sekhar Nanda**, Richard O'Rorke, Adam E Jakus, Ankur Harish Shah, Ramille N. Shah, Richard D Webster and Terry W. J. Steele*.	2018	Voltaglue Bioadhesives Energized with Interdigitated 3D-graphene Electrodes	Manisha Singh, **Himansu Sekhar Nanda**, Richard O'Rorke, Adam E Jakus, Ankur Harish Shah, Ramille N. Shah, Richard D Webster and Terry W. J. Steele*. "Voltaglue Bioadhesives Energized with Interdigitated 3D-graphene Electrodes" **Advanced healthcare materials** 7, no. 21 (2018): 1800538	5.7	1
3	**Nanda, Himansu Sekhar**, Ankur Harish Shah, Gautama Wicaksono, Oleksandr Pokholenko, Feng Gao, Ivan Djordjevic, and Terry W J Steele*	2018	Nonthrombogenic hydrogel coatings with carbene-cross-linking bioadhesives	**Nanda, Himansu Sekhar**, Ankur Harish Shah, Gautama Wicaksono, Oleksandr Pokholenko, Feng Gao, Ivan Djordjevic, and Terry W J Steele*. "Nonthrombogenic hydrogel coatings with carbene-cross-linking bioadhesives." **Biomacromolecules** 19, no. 5 (2018): 1425-1434.	5.2	7
4	Nethi, Susheel Kumar, **Himansu Sekhar Nanda***, Terry WJ Steele, and Chitta Ranjan Patra*	2017	Functionalized nanoceria exhibit improved angiogenic properties	Nethi, Susheel Kumar, **Himansu Sekhar Nanda***, Terry WJ Steele, and Chitta Ranjan Patra*. "Functionalized nanoceria exhibit improved angiogenic properties." **Journal of Materials Chemistry B** 5, no. 47 (2017): 9371-9383.	4.54	2
5	**Nanda, Himansu Sekhar*.**	2016	Surface modification of promising cerium oxide nanoparticles for nanomedicine applications	**Nanda, Himansu Sekhar***. "Surface modification of promising cerium oxide nanoparticles for nanomedicine applications." **RSC Advances** 6, no. 113	3.2	5

				(2016): 111889-111894.		
6	**Nanda, Himansu Sekhar**, Tomoko Nakamoto, Shangwu Chen, Rong Cai, Naoki Kawazoe, and Guoping Chen*	2014	Collagen microgel-assisted dexamethasone release from PLLA-collagen hybrid scaffolds of controlled pore structure for osteogenic differentiation of mesenchymal stem cells	**Nanda, Himansu Sekhar**, Tomoko Nakamoto, Shangwu Chen, Rong Cai, Naoki Kawazoe, and Guoping Chen*. "Collagen microgel-assisted dexamethasone release from PLLA-collagen hybrid scaffolds of controlled pore structure for osteogenic differentiation of mesenchymal stem cells." **Journal of Biomaterials Science, Polymer Edition** 25, no. 13 (2014): 1374-1386.	1.6	9
7	**Nanda, Himansu Sekhar**, Naoki Kawazoe, Qin Zhang, Shangwu Chen, and Guoping Chen*.	2014	Preparation of collagen porous scaffolds with controlled and sustained release of bioactive insulin	**Nanda, Himansu Sekhar**, Naoki Kawazoe, Qin Zhang, Shangwu Chen, and Guoping Chen*. "Preparation of collagen porous scaffolds with controlled and sustained release of bioactive insulin." **Journal of Bioactive and Compatible Polymers** 29, no. 2 (2014): 95-109.	2.5	13
8	**Nanda, Himansu Sekhar**, Shangwu Chen, Qin Zhang, Naoki Kawazoe, and Guoping Chen*	2014	Collagen scaffolds with controlled insulin release and controlled pore structure for cartilage tissue engineering	**Nanda, Himansu Sekhar**, Shangwu Chen, Qin Zhang, Naoki Kawazoe, and Guoping Chen*. "Collagen scaffolds with controlled insulin release and controlled pore structure for cartilage tissue engineering." **BioMed research international** 2014 (2014).	2.9	22
9	**Sekhar Nanda, Himansu,** and Narayan Chandra Mishra*		Amphotericin B" Loaded Natural Biodegradable Nanofibers as a Potential Drug Delivery System	**Sekhar Nanda, Himansu,** and Narayan Chandra Mishra*. "Amphotericin B" Loaded Natural Biodegradable	1.9	3

			against Leishmaniasis	Nanofibers as a Potential Drug Delivery System against Leishmaniasis." **Current Nanoscience** 7, no. 6 (2011): 943-949.		
List of Non-SCI Journals						
1	**Nanda, Himansu Sekhar**, Manisha Singh, and Terry WJ Steele*	2017	Thrombogenic Responses from Electrocured Tissue Adhesives	**Nanda, Himansu Sekhar**, Manisha Singh, and Terry WJ Steele*. "Thrombogenic Responses from Electrocured Tissue Adhesives." **ECS Transactions** 77, no. 11 (2017): 547-555.	Pending	6
2	Nanda, Himansu Sekhar*	2016	Preparation and Biocompatible Surface Modification of Redox Altered Cerium Oxide Nanoparticle Promising for Nanobiology and Medicine	Nanda, Himansu Sekhar*. "Preparation and Biocompatible Surface Modification of Redox Altered Cerium Oxide Nanoparticle Promising for Nanobiology and Medicine." **Bioengineering** 3, no. 4 (2016): 28.	Pending	3
3	**Nanda, Himansu Sekhar**, Naoki Kawazoe, and Guoping Chen*	2016	Ionic salt induced morphology and drug release control of insulin incorporated biodegradable PLGA microsphere	**Nanda, Himansu Sekhar**, Naoki Kawazoe, and Guoping Chen*. "Ionic salt induced morphology and drug release control of insulin incorporated biodegradable PLGA microsphere." **Adv Mater Lett** 7 (2016): 866-871.	Pending	2

ii. Complete list of Full Papers published in Conference Proceedings: NILL

Sl. No.	Author (s)	Year	Title	Complete Reference of Conference

iii. Complete list of Papers presented in Conferences:

Sl. No.	Author (s)	Year	Title	Complete Reference of Conference
1	**Himansu Sekhar Nanda*** and C. Mohapatra	2018	Porous scaffolds for nanomedicine screening	**The 17th International Conference of Asia Pacific Association of Surgical Tissue Banks (APASTB2018)** at Bangi, Ptrajaya, Kuala Lumpur, Malaysia, 27th-31st August 2018
2	**Himansu Sekhar Nanda*** and C Mohapatra	2018	An engineered tumor model via sequential functionalization of	**International symposium on Functional Materials (ISFM 2018): Energy and Biomedical Applications** at Hotel Shivalikview,

			nanoceria, organosilane, biopolymer and porous scaffold	Sector 17 E, Chandigarh, India, 13th-15th April 2018
3	**Himansu Sekhar Nanda,** Manisha Singh, Ramille N Shah and Terry W. J. Steele*	2017	Carbene- based Tuneable on-demand Adhesives as Medical Glue for Fixation of Implantable Biomaterials	**4th International Conference on Advanced Nanomaterial and Nanotechnology (ICANN) 2017** at Indian Institute of Technology (IIT) Guwahati, India, 18th – 21st December 2017
4	**Himansu Sekhar Nanda,** Manisha Singh, Ankur Harish Shah, Ramile N Shah and Terry W. J. Steele*	2017	PAMAM Bioadhesives: A quest for blood compatible formulations	**6th Asian Biomaterials Congress (6th ABMC)** at Apollo Dimora Convention Centre, Thiruvananthapuram, India, 23rd - 27th October 2017
5	**Himansu Sekhar Nanda** and Terry W. J. Steele*	2017	On demand Tissue Adhesives for Emerging Medical Applications	**International Conference on Physics and Mechanics of New Materials and Their Applications (PHENMA 2017)** at PDPM-IIITDM Jabalpur, India, 14th -16th October 2017
6	**Himansu Sekhar Nanda,** Gao Feng, Ivan Djordjevic and Terry W. J. Steele*	2017	Surface Modified PAMAM-g-diazirine Bioadhesives for Blood Contacting Applications	**9th International Conference on Materials for Advanced Technologies 2017 (ICMAT 2017)** at Suntec, Singapore, 18th-23rd June 2017
7	**Himansu Sekhar Nanda,** Gao Feng, Ivan Djordjevic and Terry W. J. Steele*	2017	Preparation of platelet resistant PAMAM-g-diazirine bioadhesives for blood contacting applications	**The International conference on Surfaces, Coatings and Interfaces 2017** (**Surf Coat Korea 2017**) at Incheon, South Korea, 29th-31st March 2017
8	**Himansu Sekhar Nanda***, Naoki Kawazoe and Guoping Chen*	2016	Micro-and nano-therapuetics impregnated designer scaffolds for tissue engineering and nanomedicine screening	**3rd Indo-Austrian Symposium on Advances in Materials Engineering (AME 2016)** at Indian Institute of Technology (IIT) Mumbai, India, 19th-20th December 2016
9	**Himansu Sekhar Nanda***	2016	Cerium oxide nanoparticle impregnated-(PLGA-collagen) porous scaffold as an in vitro platform for nanomedicine screening	**International Conference on Functional Materials (ICFM-2016)** at Indian Institute of Technology (IIT) Kharagpur, India, 12th-14th December 2016
10	**Himansu Sekhar Nanda*,** Naoki Kawazoe and Guoping Chen*	2016	Modulation of protein release behaviour of PLGA microspheres using ionic salt	**International Symposium on Polymer Analysis and Characterization (ISPAC) 2016** at Nanyang Technological University (NTU), Singapore, 12th-15th June 2016
11	**Himansu Sekhar Nanda,** Nokamoto Tomoko, Shangwu Chen, Naoki	2015	Preparation of PLLA-collagen porous scaffold	**4th International Conference on Advanced Nanomaterial and Nanotechnology (ICANN) 2015** at

	Kawazoe and Guoping Chen*		with controlled pore structure for bone tissue engineering therapeutics	Indian Institute of Technology (IIT) Guwahati, India, 8th-11th December 2015
12	**Himansu Sekhar Nanda,** Naoki Kawazoe, Qin Zhang, Shangwu Chen and Guoping Chen*	2014	Preparation of a long term insulin releasing porous collagen scaffold for skin tissue regeneration	**2nd Hoffman family symposium: International Symposium on Smart Biomaterials** at National Institute for Materials Science, Japan, 24th-25th March 2014
13	**Himansu Sekhar Nanda**, Naoki Kawazoe and Guoping Chen*	2012	Preparation of protein incorporated biodegradable microbeads with controllable release profile	**International symposium on Biocompatibility and Applications of Nanocarbons jointly with 6th annual meeting of Nano-Biomedical society** at National Institute of Advanced Industrial Science and Technology (NAIST), Japan, 9th-10th July 2012
14	**Himansu Sekhar Nanda,** Naoki Kawazoe and Guoping Chen*	2012	Preparation of PLGA microbeads for controlled delivery of insulin	**9th World Biomaterials Congress** at Chengdu, China, 1st-5th June 2012
15	**Himansu Sekhar Nanda**, R Jayaganthan, Narayan Chandra Mishra*	2011	A Novel Process Optimization Strategy for Successful Encapsulation of 'Amphotericin B' in Gelatin based Nanofiber: A new Direction to Drug Delivery against Sever Fungal Infections	**4th Winter School on Nanotechnology in Advanced Drug Delivery** at National Institute of Pharmaceutical Education and Research (NIPER), Mohali, India, 28th march to 4th February 2011 (**Oral**, **Nominated for Budding Nanotechnologist Award competition**).
16	**Himansu Sekhar Nanda**, R Jayaganthan and Narayan Chandra Mishra*	2010	Amphotericin B loaded natural nanafiber as a potential drug delivery system against Leishmaniasis	**2010 International Symposium of Materials on Regenerative Medicine (2010 ISOMRM)** at National Health Research Institute (NHRI), Taiwan, November 3rd-5th 2010 (**Nominated for Young Investigator Award in materials and regenerative medicine competition**).

iii. Books:

Sl. No.	Name	Year of Publication	Title	Author or Co- author

21. Membership of Professional Bodies:

Sl. No.	Name of Body	Status of Membership: for Life / Annual
1	Tissue Engineering and Regenerative Medicine Society of Malaysia (TESMA)	5 Year
2	American Chemical Society (ACS)	Annual
3	International Society of Biomechanics	Annual
4	International Association of Advanced Materials (IAAM)	5 Year
5	Indian Peptide Society (IPS)	5 Years
6	Indian Immunology Society (IIS)	5 Years

22. Give details of Important Seminars/Workshops/Schools attended and not covered under 19 (iii) & 20 (iv) in the following format as Enclosure-IV:

Sl. No.	Year	Place	Seminars/Workshops/Schools	Title of paper read, if any
1	2017	Lee Kong Chian School of Medicine, Nanyang Technological University, Singapore	Next generation Confocal Microscope for Advanced Bio-imaging	NA
2	2014	National Institute for Materials Science, Japan	SWISS-Japanese International workshop on Nanosciences: Materials Phenomena at Small Scale	NA
3	2013	Tsukuba International Congress Center, Epochal, Tsukuba	MANA international symposium 2013	NA
4	2012	National Institute for Materials Science, Japan	Australian MANA workshop on Nanotechnology	NA
5	2012	Tsukuba International Congress Center, Epochal, Tsukuba	MANA International symposium 2012	NA
6	2009	Department of Electrical Engineering, IIT Bombay	International workshop cum Joint IIT Bombay-University of Alberta, Canada Meeting on "Development of Low-Cost Lab-on-a-Chip Medical Devices for Health Monitoring	NA
7	2009	Department of Electrical Engineering, IIT Bombay	2nd IEEE International workshop on "Electron Devices and Semiconductor Technology (IEDST)"	NA
8	2009	Department of Electrical Engineering, IIT Bombay	2nd INUP Workshop on "Nanofabrication Technologies"	NA
9	2009	Department of Humanities and Social Sciences, IIT Roorkee	International conference on "Knowledge Sharing and IP Management Evolving Strategies" in Asia Pacific (KIPASPA 2009)"	NA
10	2009	Department of Mechanical Engineering and Chemical Engineering, IIT Kharagpur	Indo-US Workshop on "Microfluidics and fabrionics (Microfabrication) IUWMF 09"	NA

11	2009	School of Biotechnology, Kalinga Institute of Industrial Technology (KIIT) University, Bhubaneswar	11th Orissa Bigyan Congress "Indian Science Congress: Bhubaneswar Chapter"	NA
12	2008	School of Biotechnology, Kalinga Institute of Industrial Technology (KIIT) University, Bhubaneswar	International conference on "Emerging Trends in Biological Sciences"	NA
13	2007	School of Physics, University of Hyderabad (UOH), Hyderabad	International workshop on "physics on biology: A synergy"	NA
14	2007	Center for Cellular and Molecular Biology (CCMB), Hyderabad	International symposium on "chromosome to genome"	NA
15	2007	Center for Cellular and Molecular Biology (CCMB), Hyderabad	11th ADNAT Convention on "Advances in structural Biology and structure predication"	NA
16	2007	University College of Engineering (UCE), Osmania University (OU), Hyderabad	Two days Intellectual Property Rights (IPR) workshop cum training program on "Inventing into future"	NA

E. Other Important Details:

23. Awards and Recognitions:

1. Gitanjali memorial award (Best student award at junior school level).
2. Junior research fellowship from Tata Institute of Fundamental Research, India.
3. Ranked among top 1.5% students in Graduate Aptitude Test in Engineering (GATE) conducted by Indian Institutes of Technologies and Indian Institute of Science, India.
4. Ministry of Human Resource and Development (MHRD), Government of India fellowship (2008-2010).
5. Selected among 50 Indian post graduates of Indian universities to attend a winter program on "Cell and Developmental Biology" jointly organized by IIT Kanpur and Temasek Life science Laboratory (TLL), Singapore.

6. Selected participant in “Indo-US workshop on micro-fluidics and fabrionics (Microfabrication) (IUWMF 09) by Indo-US Science and Technology Forum.
7. Selected participant in “2nd Indian Nanoelectronics Users Program (INUP) workshop on nanofabrication technologies” at IIT Bombay sponsored by INUP, Government of India
8. Selected as an international participant for “2nd International Winter school for Graduate students: IWSG 2009” by National Nanotechnology Infrastructure Network (NNIN), USA and IIT Bombay sponsored by INUP.
9. Selected as an international intern student in nanoscience and nanotechnology for summer internship program (SIP-2010) at Academia Sinica through Taiwan International Graduate Program (TIGP) intern fellowship.
10. Selected as a fellow of Summer Undergraduate Mentorship in Mechanical Engineering Research (SUMMER) at Department of Mechanical Engineering, Indian Institute of Science Bangalore for summer 2010.
11. Selected for Taiwan International Graduate Program (TIGP) in Nanoscience and Technology for 2010.
12. National institute for Materials Science (NIMS) travel award to visit NIMS for selection of NIMS Junior Researcher (Global competition for five awards per academic section for admission to joint doctoral program in Materials Sciences and Engineering).
13. Winner of NIMS graduate research assistantship for AY 2011.
14. Selected among 20 national participants to participate in “Application of Biomedical Informatics in Medical Science with Introduction of Next Generation Sequencing (SOLid)” at Indian Council of Medical Research (ICMR), India.
15. Singhania University international faculty travel grant for presenting the research paper in Young Investigator Award (YIA) competition in ISOMRM 2010 at National Health Research Institutes, Zuhnan, Taiwan.
16. Selected as an international participant for Joint IIT Bombay-University of Alberta, Canada meeting on “Development of Low-Cost Lab-on-a-Chip Medical Devices for Health Monitoring” at IIT Bombay sponsored by INUP, IIT Bombay and University of Alberta.
17. Selected among 25 best instructors in the field of biotechnology and life sciences to attend a refresher course on “Modern Biotechnological Techniques” held at Manipal Life Science Center (MLSc), Manipal University sponsored by Indian Academy of Sciences, National Academy of Sciences and Indian National Science Academy in collaboration with MLSc, Manipal.
18. National Institute for Materials Science international student travel award for research presentation in “World Biomaterials Congress-2012” at Chengdu, China.
19. Selected as “Belt and Road” visiting scholar for academic and research association with Beijing University of Chemical Technology China for summer 2018 and 2019
20. Competitive grant of 30,000 RMB to visit State Key Laboratory of Molecular Engineering of Polymers, Fudan University as Senior Visiting Scholar for summer 2019

24. Short term trainings and Certificate Courses:

1. International Traineeship on “The Belt and Road” Visiting Scholar program at Beijing University of Chemical Technology (BUCT) during 30th June to 25th July 2018 (Certified on 25th July 2018).
2. Certificate Training Course on “Research Integrity Course Module in Biomedical Sciences Track” at School of Materials Science and Engineering, Nanyang Technological University Singapore (Certified on 16th June 2016).
3. Certificate Training Course on “Responsible Care and Use of Laboratory Animal Course (RCULAC)” at Agency of Science, Technology and Research (A* STAR), Biological Resource Centre, Singapore. (Registered Certificate number: BRC/ACU/R/03/2017)
4. Short term training on “Protein crystallization and Biocomputing” at Centre of excellence in structural Biology and Biocomputing, Indian Institute of Science, Bangalore, India
5. Short term training on “Bioprocess Engineering” at Department of Biotechnology, Birla Institute of Technology (BIT)-Mesra, India (2007)

6. 2 weeks hands on training on "Modern instrumental method for pharmaceutical analysis" at Center of Environment, IST, JNTU, Hyderabad (Analysis of pharmaceutical samples by HPLC, GC, GC-MS, FTIR, UV-Vis spectrophotometer) (2006)

25. Visiting appointments:

1. Department of Materials Sciences and Engineering, Beijing University of Chemical Technology (BUCT), China (8th July -20th July 2018)
2. State Key Laboratory of Molecular Engineering of Polymers, Fudan University, China (16th May -7th July 2019)
3. Department of Materials Sciences and Engineering, Beijing University of Chemical Technology (BUCT), China (30th June 2018 -25th July 2018)

26. Long term research Partners (national and international):

a. International:

1. Prof. Terry W J Steele, Assistant Professor at School of Materials Science and Engineering, Nanyang Technological University Singapore.
2. Prof. Young Liu, Associate Professor at College of Materials Science and Engineering, Beijing University of Chemical Technology (BUCT), China
3. Prof. Seeram Ramakrishna, Professor at Department of Mechanical Engineering, National University of Singapore, Singapore
4. Prof. Jiandong Ding, Director at State Key Laboratory of Molecular Engineering of Polymers, Fudan University

b. National:

1. Dr. Chittaranjan Patra, Laboratory of Nanomedicine, CSIR-Indian Institute of Chemical Technology (IICT), Hyderabad.
2. Dr. Subhadeep Bodhak, Bioceramics and Coating Division, CSIR-Central Glass Ceramics and Research Institute (CGCRI), Kolkata

27. Details of Five Referees:

Referee-1 (PhD Supervisor, in case of Assistant Professor)	Name: Prof. Guoping Chen Address: Principal Investigator and Unit Director, Tissue Regeneration Materials Unit, Research Center for Functional Materials, National Institute for Materials Science, Japan Associate Editor, Journal of Materials Chemistry B (RSC) Contact Phone/Mobile No.: +81-29-860-4496 Fax No.: +81-29-860-4706 E-mail id.: Guoping.CHEN@nims.go.jp
Referee-2 (PDF Advisor)	Name: Prof. Terry W J Steele Address: School of Materials Science and Engineering, Nanyang Technological University Singapore Contact Phone/Mobile No. +65-6592-7594 (M), GMT+8h E-mail id.: wjsteele@ntu.edu.sg
Referee-3 (M-Tech thesis supervisor-1)	Name: Prof. R Jayaganthan Address: Department of Engineering Design, IIT Madras Contact Phone/Mobile No. +91 44 2257 4735 (Off), +91-7358048942 (M) E-mail id. edjay@iitm.ac.in, metarj@gmail.com
Referee-4 (M-Tech Thesis Supervisor-2)	Name: Prof. Narayan Chandra Mishra Address: Department of Polymer and Process Engineering, IIT Roorkee Contact Phone/Mobile No. +91-132-271 - 4352 (O)/4353 (R), +91-9897841351(M)

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I hereby declare that all entries in this form are true to the best of my knowledge and belief.

Himansu Sekhar Nanda

Place: Jabalpur (01.05.2019) **Signature**