

## CURRICULUM VITAE OF DR. NARESH D. BANSOD

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### Dr. Naresh D. Bansod

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<https://scholar.google.co.in/citations?hl=en&user=KMjGorMAAAAJ>



### EDUCATION

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<b>Ph. D</b>	(2012-2017)
Branch	Chemistry
Institute	Visvesvaraya National Institute of Technology, India
<b>Master of Science (M. Sc.)</b>	(2009-2011)
Area of Specialization	Organic Chemistry
Institute	RTMN University Nagpur, Maharashtra, India.

### PROFESSIONAL EXPERIENCE

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- Post-Doctoral Fellow (2018- 2020) at **Chulalongkorn University Bangkok, Thailand.**
- Research Fellow (July 2012-May 2017) at **Visvesvaraya National Institute of Technology, Nagpur**

### TEACHING EXPERIENCE

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- Teaching Assistant (July 2012-May 2017) at **Visvesvaraya National Institute of Technology, Nagpur**
- Work as Assistant Professor (Contributory) at **Dr. Ambedkar College Deekshabhoomi, Nagpur**, From May 2017 to Jan 2018.
- Work as **Faculty Assistant at IIT-POINT, Nagpur**, From Sep. 2011 to July 2012

## AREAS OF RESEARCH INTEREST

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- Rubber Composites
- Polymer Technology
- Polymer Degradation
- Fracture Mechanics
- Medicinal Chemistry

## IN REFEREED INTERNATIONAL JOURNALS

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1. [Compatibilization of natural rubber/nitrile rubber blends by sol–gel nano-silica generated by in situ method](#)  
**Naresh D. Bansod**, BP Kapgate, C Das, A Das, D Basu, SC Debnath  
Journal of Sol-Gel Science and Technology 80 (2), 548-559
2. [Controlled growth of in situ silica in a NR/CR blend by a solution sol–gel method and the studies of its composite properties](#)  
**Naresh D. Bansod**, BP Kapgate, C Das, D Basu, SC Debnath, K Roy, S Wiessner  
RSC Advances 5 (66), 53559-53568
3. [Mechanical properties of natural hydroxyapatite using low cold compaction pressure: Effect of sintering temperature](#)  
DO Obada, ET Dauda, JK Abifarin, D Dodoo-Arhin, **Naresh D. Bansod**  
Materials Chemistry and Physics 239, 122099
4. [Incorporation of titania nanoparticles in elastomer matrix to develop highly reinforced multifunctional solution styrene butadiene rubber composites](#)  
C Das, **Naresh D. Bansod**, BP Kapgate, K Rajkumar, A Das  
Polymer 162, 1-10
5. [Studies on mechanical, rheological, thermal and morphological properties of in situ silica-filled butadiene rubber composites](#)  
**Naresh D. Bansod**, C Das  
Plastics, Rubber and Composites 47 (8), 345-351
6. [Development of highly reinforced acrylonitrile butadiene rubber composites via controlled loading of sol-gel titania](#)  
C Das, **Naresh D. Bansod**, BP Kapgate, U Reuter, G Heinrich, A Das  
Polymer 109, 25-37
7. [Development and characterization of graphitic carbon nitride as nonblack filler in natural rubber composites](#)  
**Naresh D. Bansod**, K Roy, C Das, D Vidyasagar, P Potiyaraj  
Journal of Applied Polymer Science 136 (42), 48136

8. [Possible use of gypsum waste from ceramics industry as semi-reinforcing filler in epoxidized natural rubber composites](#)  
K Roy, SC Debnath, [Naresh D. Bansod](#), A Pongwisuthiruchte,  
Journal of Material Cycles and Waste Management 22 (1), 285-294
9. [Effect of Ball Milling Time on the Physical, Thermal and Fracture Behaviour of 2MgO. 2Al<sub>2</sub>O<sub>3</sub>. 5SiO<sub>2</sub> Precursors](#)  
BA Amlabu, S Umaru, M Dauda, DO Obada, S Csaki, [Naresh D. Bansod](#),  
Silicon, 1-14
10. [FUNCTIONALIZATION OF EPDM RUBBER TOWARD BETTER SILICA DISPERSION AND REINFORCEMENT](#)  
[Naresh D. Bansod](#), BP Kapgate, PK Maji, A Bandyopadhyay, C Das  
Rubber Chemistry and Technology 92 (2), 219-236
11. [Crack behaviour and mechanical properties of thermally treated kaolin based ceramics: The influence of pore generating agents](#)  
DO Obada, D Dodoo-Arhin, M Dauda, FO Anafi, AS Ahmed, OA Ajayi, [Naresh D. Bansod](#)  
Applied Clay Science 194, 105698
12. [Mechanical measurements of pure and kaolin reinforced hydroxyapatite-derived scaffolds: A comparative study](#)  
DO Obada, ET Dauda, JK Abifarin, [Naresh D. Bansod](#), D Dodoo-Arhin  
Materials Today: Proceedings
13. [Hydroxyapatite ceramics prepared from two natural sources by direct thermal conversion: From material processing to mechanical measurements](#)  
ES Akpan, M Dauda, LS Kuburi, DO Obada, [Naresh D. Bansod](#), D Dodoo-Arhin  
Materials Today: Proceedings
14. [The effect of acid aging on the mechanical and tribological properties of coir-coconut husk-reinforced low-density polyethylene composites](#)  
DO Obada, D Dodoo-Arhin, A Jimoh, A Abdullahi, [Naresh D. Bansod](#),  
Polymer Bulletin, 1-20
15. [Microstructural evolution and hardness properties of coir-coconut husk powder reinforced polymer composites subjected to an acidic environment](#)  
D Dodoo-Arhin, DO Obada, LS Kuburi, M Dauda, MJ Iorpenda, Y Hou, [Naresh D. Bansod](#)  
Science Direct
16. [In Situ Zirconia: A Superior Reinforcing Filler for High-Performance Nitrile Rubber Composites](#)  
SC Ambilkar, [Naresh D. Bansod](#), BP Kapgate, A Das, P Formanek, K Rajkumar,  
ACS omega 5 (14), 7751-7761

## PARTICIPATED CONFERENCES

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1. Impact of Epoxidized Natural rubber as Compatibilizer on the Properties of Polymeric Graphitic Carbon Nitride–Based Natural Rubber Composites **Naresh D. Bansod** and Pranut Potiyaraj. The International Polymer Conference of Thailand - PCT-9, (PCT-9; 2019)
2. Enhancement of mechanical properties of maleic anhydride grafted EPDM by solution sol-gel method. **Naresh D. Bansod**, Bharat P. Kapgate, Chayan Das; National Conference on Multifunctional Advanced Materials, (NCMAM-2017). KNM College Nagpur, India
3. Role of silane Coupling agent in dispersion of silica in elastomeric composites. Chayan Das, Bharat Kapgate and **Naresh D. Bansod**; National conference on new frontiers in chemistry from fundamentals to applications (NFCFA-15); Organized by: Department of Chemistry BITS PILANI KK Birla Goa Campus, Goa.
4. Thermal and Mechanical Properties of in situ silica filled NR/CR Blend composites. **Naresh D. Bansod**, Bharat P. Kapgate, Chayan Das ; 7 th National Symposium for Materials Research Scholars, MR-15. 22 th May 2015; Orginsed by: Indian Institute of Technology Bombay, Mumbai.
5. Effect of silica loading techniques on the mechanical properties of natural and chloroprene rubber blend composites; **Naresh D. Bansod**, Bharat P. Kapgate and Chayan Das; Research Scholars Day 20th Sept 2014; Orginsed by: Visvesvaraya National Institute of Technology, Nagpur-440010
6. Filler-Filler and Rubber-Filler Interaction in Nitrile Rubber/Silica Composite. ; Bharat P. Kapgate, **Naresh D. Bansod** and Chayan Das; National conference on ‘Advance Functional Materials (NCAFAM-2013) ; Department of Chemistry, VNIT, Nagpur

## WORKSHOPS /SEMINAR ATTENDED

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1. Participated in workshop on advance characterization Technique (20th May 2015); Orginsed by: Indian Institute of Technology Bombay, Mumbai.
2. Participated in International workshop on Advance in Disinfection Technologies; (WADIS 2K11) 9 Feb. 2011 Orginsed by: National Environmental Engineering Research Institute (NEERI)
3. Participated in the UGC recognized Certificate Course “Soil Testing and Irrigation Water Analysis” (Session 2010-2011); Orginsed by: Department of Chemistry Dr. Ambedkar College Deeksha Bhoomi, Nagpur
4. Participate in the university level seminar on Spectroscopy (Feb. 2017) Orginsed by: Chemistry and Physics Department of Institute of Science, Nagpur