

## Biographical Sketch of Prof. Amit Kumar Dinda

Name: Dr. Amit Kumar Dinda  
Designation: Professor  
Department/Institute: Department of Pathology, All India Institute of Medical Sciences, New Delhi -110029  
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Date of Birth: 08.10.1955 Sex (M/F): Male

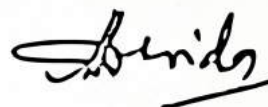
### Professional Experience / Honors/Awards

He is officer in-charge of Division of Renal & he has keen interest in experimental pathology with interdisciplinary research in immunopathology, tissue engineering, cancer biology and Nanomedicine. He is actively working in the area of application of Nanotechnology in Medicine and Nanotoxicology. His laboratory has developed nanoparticle based oral gene delivery system and nanoadjuvant for developing single shot booster free vaccine, development of novel nanocarriers for Amphotericin B, technology for delivering 4 anti-tubercular drugs in one nanoparticle, macrophage targeted siRNA delivery system for reversal of Atherosclerosis plaque, combined chemo and photothermal therapy for superficial bladder cancer and study of long term fate and toxicity of gold nanoparticle. Visiting Professor in Albert Einstein Institute of Medical Sciences, New York 2004 -5, Visiting Professor University of New South Wales, Australia 2008. He is Founder Secretary of Indian Society of Nanomedicine, Ex-President of Indian Society of Renal & Transplant Pathology, Ex-Vice President of Society for Tissue Engineering and Regenerative Medicine (India) (SABOI), Ex-Vice President, Electron Microscopy Society of India (EMSI), Fellow, Electron Microscopy Society of India (EMSI)

Projects & funding (Since 2000): International projects - 1  
National projects - 8,  
Total Publication in indexed journal: 329, Indian Patent filed- 6

### Selected peer-reviewed publications in the related area:

- *Fabrication and characterization of novel nano-biocomposite scaffold of chitosan-gelatin-alginate-hydroxyapatite for bone tissue engineering.* Sharma C, **Dinda AK**, Potdar PD, Chou CF, Mishra NC. Mater Sci Eng C Mater Biol Appl. 2016 Jul 1;64:416-27.
- *Fabrication and characterization of novel nano-biocomposite scaffold of chitosan-gelatin-alginate-hydroxyapatite for bone tissue engineering.* Sharma C, **Dinda AK**, Potdar PD, Chou CF, Mishra NC. Mater Sci Eng C Mater Biol Appl. 2016 Jul 1;64:416-27. doi: 10.1016/j.msec.2016.03.060. Epub 2016 Mar 22
- *An investigation study of gelatin release from semi-interpenetrating polymeric network hydrogel patch for excision wound healing on Wistar rat model.* Maneesh Jaiswal, Asheesh Gupta, **Dinda AK**, Veena Koul. Journal of Applied Polymer Science, Volume 132, Issue 25, July 5, 2015 DOI: 10.1002/app.42120
- *Surface modification of nanofibrous polycaprolactone/gelatin composite scaffold by collagen type I grafting for skin tissue engineering.* Gautam S, Chou CF, **Dinda AK**, Potdar PD, Mishra NC. Mater Sci Eng C Mater Biol Appl. 2014 Jan 1;34:402-9. doi: 10.1016/j.msec.2013.09.043. Epub 2013 Oct 5.
- *Fabrication and characterization of scaffold from cadaver goat-lung tissue for skin tissue engineering applications.* Gupta SK, **Dinda AK**, Potdar PD, Mishra NC. Mater Sci Eng C Mater Biol Appl. 2013 Oct;33(7):4032-8. doi: 10.1016/j.msec.2013.05.045. Epub 2013 May 29.
- *Modification of decellularized goat-lung scaffold with chitosan/nanohydroxyapatite composite for bone tissue engineering applications.* Gupta SK, **Dinda AK**, Potdar PD, Mishra NC. Biomed Res Int. 2013;2013:651945. doi: 10.1155/2013/651945. Epub 2013 Jun 13.
- *Fabrication and characterization of PCL/gelatin composite nanofibrous scaffold for tissue engineering applications by electrospinning method.* Gautam S, **Dinda AK**, Mishra NC. Mater Sci Eng C Mater Biol Appl. 2013 Apr 1;33(3):1228-35. doi: 10.1016/j.msec.2012.12.015. Epub 2012 Dec 8.



Place : AIIMS, Delhi  
Date : 26.12.2017

Signature of Investigator