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Academic Profile

Ph.D. - Kongju National University, Kongju-Si, South Korea

Thesis title- Development of Biomimetic Microstructured Scaffold for Tissue Engineering applications.

M.Sc (Toxicology) - Jamia Hamdard, Hamdard University, New Delhi

Research Experience:

1. Kongju National University, Kongju-Si, South Korea.
2. Institute of Nuclear Medicine and Allied Science (D.R.D.O) Delhi.
3. Torrent Pharmaceutical LTD.

Area of Research:

1. Nanobiotechnology
2. Tissue Engineering
3. Development of Biomimetic Microstructured Scaffolds
4. Nanotoxicology
5. Biomicrofluidics

List of publications (in peer reviewed Journals)

1. Experimental Studies on Mechanical Properties of Metal Matrix Composites Reinforced with Natural Fibres Ashes, SAE Technical Paper, doi:10.4271/2019-01-1123,(2019), Ravi Butola, Aahan Malhotra, Mukesh Yadav, Ranganath Singari, Qasim Murtaza, Prakash Chandra
2. Growth and Migration of BALB/3T3 Fibroblast Cells on Nano-engineered Silica Beads Surface, Bull. Korean Chem. Soc. 2013, Vol. 34, No. 12, 3715, Jihee Kim, Prakash Chandra, Jiyeon Yang, and Seog Woo Rhee
3. Enhanced Upconversion Luminescence in NaGdF₄:Yb,Er Nanocrystals by Fe³⁺ Doping and their Application for Bioimaging, Nanoscale. 2013, 5, 8711, Parthiban

Ramasamy, Prakash Chandra, Seog Woo Rhee and Jinkwon Kim.

4. Quantitative Analysis of Growth of Cells on Physicochemically Modified Surfaces, Bull. Korean Chem. Soc. 2013, Vol. 34, No. 2, 524, Prakash Chandra, Jihee Kim, and Seog Woo Rhee.
5. *In vitro* Models, Endpoints and Assessment Methods for the Measurement of Cytotoxicity, Toxicol. Environ. Health. Sci. 2010, Vol. 2(2), 87, Sanjeev Kumar Mahto, Prakash Chandra & Seog Woo Rhee.

Proceedings

1. Ramasamy, P.; Chandra, P.; Rhee, Seog Woo; Kim, Jinkwon “Synthesis and bioimaging of highly luminescent upconversion nanocrystals of Fe³⁺ doped NaGdF₄:Yb,Er”, 4th International Conference on Colloid Chemistry and Physicochemical Mechanics, Moscow, Russia, 2013.06.30-2013.07.05
2. PRAKASH CHANDRA, Seog Woo Rhee, “Synergistic effects of biomimetic micropatterns of AgNP-gelatin biocomposites on epidermal wound healing”, Proceedings of the 111th Annual Meeting of the Korean Chemical Society KINTEX (Korea International Exhibition Center), Goyang, South Korea, 2013.04.17.
3. PRAKASH CHANDRA, Kang Mie Seon, Seog Woo Rhee, “Cell –Surface Interaction and Cell Behavioral Study on Topologically Modified Surfaces”, Proceedings of the 108th Annual Meeting of the Korean Chemical Society, Daejeon Convention Center, Daejeon, South Korea, 2011.09.29.
4. P. Chandra, S. K. Mahto, S.W. Rhee, “Assessment of Cell-Surface Interaction on Physicochemically Modified Surfaces”, Proceedings of the 106th Annual Meeting of the Korean Chemical Society, Daegu, South Korea, 2010.10.14.