

## List of Publications

1. **Sunil Prasad\***, Vikas Kumar Vyas, Kumari Deepa Mani, Ershad and Ram Pyare, “Study of In vitro bioactivity and characterization of HA-TiO<sub>2</sub> based 45S5 biocomposites,” International Journal of Recent Scientific Research, Vol. 7, Issue 5, May 2016, pp. 10808-10814.
2. **Sunil Prasad\***, Vikas Kumar Vyas, Kumari Deepa Mani and Ram Pyare, “Study of Physical and Mechanical properties of BG/HA/TiO<sub>2</sub> biocomposite for bone implantation,” International Journal of Advanced Research, Volume 4, Issue 6, 2016, 268-279. DOI: 10.21474/IJAR01.
3. **Sunil Prasad\***, Vikas Kumar Vyas, Ershad and Ram Pyare, “In vitro bioactivity and Physical- Mechanical properties of HA based 45S5 biocomposites,” Key Engineering Materials, Vol. 702, 2016, pp 83-90. DOI:10.4028/www.scientific.net/KEM.702.83.
4. **Sunil Prasad\***, Vikas Kumar Vyas, Kumari Deepa Mani, Md. Ershad and Ram Pyare, “Preparation, In-Vitro Bioactivity and Mechanical Properties of Reinforced 45S5 Bioglass Composite With HA-ZrO<sub>2</sub> Powders,” Orient J Chem, 33(3)2017.
5. **Sunil Prasad\***, Vikas Kumar Vyas, Md. Ershad and Ram Pyare, “Crystallization and Mechanical Properties of (45S5-HA) Biocomposite for Biomedical Implantation,” Ceramics-Silikáty, 61 (4), (2017), 378-384.
6. **Sunil Prasad\***, Vikas Kumar Vyas, Pappu Kumar Harijan, Md. Ershad and Ram Pyare, “Investigating in vitro bioactivity, magnetic and mechanical properties of iron and cobalt oxide reinforced (45S5-HA) biocomposite,” Journal of the Australian Ceramic Society, 1-11(December 2017). DOI 10.1007/s41779-017-0167-y (**Springer**)

## List of Conferences

1. **Sunil Prasad**, Vikas Kumar Vyas, Ershad and Ram Pyare, “In vitro bioactivity and Physical- Mechanical properties of HA based 45S5 biocomposites” published in the proceedings of the **ICG Annual Meeting, Bangkok (Thailand)** Sept 20-23, 2015.
2. **Sunil Prasad**, Vikas Kumar Vyas, Ershad, Akher Ali and Ram Pyare, “Crystallization, Mechanical Properties and In vitro Bioactivity Assessment of (45S5-HA) Biocomposite” published in proceedings of **The 9<sup>th</sup> International Conference on Material Science and Technology, Bangkok (Thailand)** December 14-15, 2016.
3. **Sunil Prasad**, Vikas Kumar Vyas, Ershad, Akher Ali and Ram Pyare, “Bioactivity and physical mechanical effect on (45S5-HA-ZrO<sub>2</sub>) biocomposites for bone tissue implantation” published in the proceedings of the **Advances in biological system and material science in nanoworld, IIT (BHU), Varanasi** Feb 19-23,2017.

## Workshops and Symposiums

1. Attended a “**National Symposium on Miniature Manufacturing in 21<sup>st</sup> Century**”, Jointly organized by Dept. of Mechanical Engg., I.I.T.(B.H.U.) and BARC, Mumbai, from 16-18 August 2013.
2. Attended a “**Workshop on Total Quality Management**”, organized by Dept. of Mechanical Engg., I.I.T.(B.H.U.), Varanasi from 12-14 January 2014.
3. Attended a “**National Symposium on Organic Synthesis and Advanced Materials**”, organized by Dept. of Chemistry, B.H.U., Varanasi from 01-02 March 2014.
4. Participated in “**Workshop on Research Methodology for Future Researchers**”, Organized by Mechanical Engineering Department, IIT BHU, Varanasi.
5. Participated in National Workshop on “**National Workshop on Advanced Ceramics in the field of Nanotechnology for Electro Ceramics**” from 27-28 March, 2015, Organized by Department of Ceramic Engineering, Indian Institute of Technology, BHU, Varanasi.