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List of Publications

International Journals:

1. **Sushma Yadav**, Singh P, Pyare R. Synthesis, characterization, mechanical and biological properties of biocomposite based on zirconia containing 1393 bioactive glass with hydroxyapatite. *Ceramics International*. 2020 Jun 1;46(8):10442-51.
2. **Sushma Yadav**, Ali A, Krishnamurthy S, Singh P, Pyare R. In-vitro analysis of bioactivity, hemolysis, and mechanical properties of Zn substituted Calcium Zirconium silicate (baghdadite). *Ceramics International*. 2021 Jun 1;47(11):16037-53.
3. Hossain SS, **Sushma Yadav**, Majumdar S, Krishnamurthy S, Pyare R, Roy PK. A comparative study of physico-mechanical, bioactivity and hemolysis properties of pseudo-wollastonite and wollastonite glass-ceramic synthesized from solid wastes. *Ceramics International*. 2020 Jan 1;46(1):833-43.
4. Yadav SK, Ray S, Ershad MD, Vyas VK, Prasad S, Ali A, **Sushma Yadav**, Majhi MR, Pyare R. Development of zirconia substituted 1393 bioactive glass for orthopaedic application.
5. Ali A, Singh BN, **Sushma Yadav**, Ershad M, Singh SK, Mallick SP, Pyare R. CuO assisted borate 1393B3 glass scaffold with enhanced mechanical performance and cytocompatibility: An In vitro study. *Journal of the Mechanical Behavior of Biomedical Materials*. 2021 Feb 1;114:104231.
6. Ali A, Singh BN, **Sushma Yadav**, Ershad M, Singh SK, Mallick SP, Pyare R. CuO assisted borate 1393B3 glass scaffold with enhanced mechanical performance and cytocompatibility: An In vitro study. *Journal of the Mechanical Behavior of Biomedical Materials*. 2021 Feb 1;114:104231.

National/International Conferences/Workshops Attended:

1. Third International Conference on Material Science (ICMS2020) 04 – 06 March 2020|
Department of Physics, Tripura University (A Central University) India.
2. 10th International Conference on Materials for Advanced Technologies (ICMAT -
MRS 2019) 23 – 28 June 2019 | **Marina Bay Sands, Singapore.**
3. International Conference on Nanotechnology for Better Living (NBL 2019) 07 – 11
April 2019 | **NIT Srinagar.**
4. 6th International Conference on Recent Advances in Composite Materials (ICRACM-
2019) 25 -28 February 2019 | **IIT BHU, Varanasi.**
5. National Conference on Advanced Nanomaterials and their Applications (ANA-2018)
21-23 December 2018 | **MNNIT Allahabad, Praygraj.**
6. International Conference on Expanding Horizons of Technological Applications of
Ceramics and Glasses (EH-TACAG 17) 14-16 December 2017 | **College of
Engineering Pune, Pune.**