Annexure 1

Sponsored Research Projects (Completed):

Title	Sponsored by	Duration & Status
Sonolytic removal of total solids from sewage treatment plant using low cost biosorbents at Dayalbagh, Agra	University Grants Commission, New Delhi AR. No. 81/Plan/Capital assets/2018/2019	2018 – 2021, Completed

Research Publications:

Title	Journal	Year, Volume & Page No.
Delamination of MXene using biomolecules: An effective strategy toward the utilization of delaminated MXene as fillers in polymer composites	Polymer Composites, John Wiley & Sons, Inc.	2024/10/17
Temperature of photoanode for photoelectrochemical water oxidation Authors: Neeraj Kumar Biswas, Anupam Srivastav, Sakshi Saxena, Anuradha Verma, Runjhun Dutta, Manju Srivastava, Sumant Upadhyay, Vibha Rani Satsangi, Rohit Shrivastav, Sahab Dass	Renewable Energy, Pergamon	2023/5/1 Volume - 208 Pages – (504-511)
The impact of electrolytic pH on photoelectrochemical water oxidation Authors: Neeraj Kumar Biswas, Anupam Srivastav, Sakshi Saxena, Anuradha Verma, Runjhun Dutta, Manju Srivastava, Sumant Upadhyay, Vibha Rani Satsangi, Rohit Shrivastav, Sahab Dass	RSC advances, Royal Society of Chemistry	2023 Volume -13 Issue-7 Pages – (4324-4330)
Role of varying ionic strength on the photoelectrochemical water splitting efficiency Authors: Neeraj Kumar Biswas, Anupam Srivastav, Sakshi Saxena, Anuradha Verma, Runjhun Dutta, Manju Srivastava, Sumant Upadhyay, Vibha Rani Satsangi, Rohit Shrivastav, Sahab Dass	Solar Energy, Pergamon	2022/11/15 Volume 247 Pages – (543-552)
N–TiO_2 crystal seeds incorporated in amorphous matrix for enhanced solar hydrogen generation: experimental & first-principles analysis Authors: Neeraj Kumar Biswas, Anupam Srivastav, Sakshi Saxena, Anuradha Verma, Runjhun Dutta, Manju Srivastava, Sumant Upadhyay, Vibha Rani Satsangi, Rohit Shrivastav, Sahab Dass	International Journal of Hydrogen Energy, Pergamon	2022/6/26 Volume - 47 Issue – 53 Pages - (22415-22429)
Nanocomposites: A Boon To Material Sciences (Book Chapter) Authors: Sachin Saxena, Nazia Siddiqui, Manju Srivastava	Nanocomposite Materials for Sensor, Bentham Science Publishers	2022/4/7 Pages - 15

MOFs in photoelectrochemical water splitting: New horizons and challenges Authors: Runjhun Dutta, Rohit Shrivastav, Manju Srivastava, Anuradha Verma, Sakshi Saxena, Neeraj Kumar Biswas, Vibha Rani Satsangi, Sahab Dass	International Journal of Hydrogen Energy Pergamon	2022/1/26, Volume 47, Issue 8, Pages 5192-5210
Role of electrolytic pH on the performance of nanostructured partially crystalline Nitrogen-doped Titanium Dioxide thin films in photoelectrochemical water splitting Authors: Neeraj Kumar Biswas, Runjhun Dutta, Anupam Srivastav, Sakshi Saxena, Anuradha Verma, Manju Srivastava, Sumant Upadhyay, Vibha Rani Satsangi, Rohit Shrivastav, Sahab Dass	Results in Chemistry Elsevier	2022/1/1Volume 4, Pages 100675
From molecules to materials: Structural landscape of zinc terephthalates grown from solution Authors: Manisha Jadon, Manju Srivastava, Prasun Kumar Roy, Arunachalam Ramanan	Journal of Chemical Sciences, Springer India	2021/9, Volume 133, Pages 1-20
Tungsten doped $LaFeO_3$: synthesis and photoelectrochemical measurements for water splitting Authors: Runjhun Dutta, Manju Srivastava, Rohit Shrivastav, Sahab Dass	Proceedings of the eight DAE-BRNS interdisciplinary symposium on materials chemistry	2021
Application of porous metal organic frameworks Authors: Manju Srivastava		2017
Metal-Organic Frameworks as curing accelerators for benzoxazines Authors: Pratibha Sharma, Manju Srivastava, Bimlesh Lochab, Devendra Kumar,Arunachalam Ramanan, Prasun Kumar Roy	Chemistry Select	2016/8/16, Volume 1, Issue 13, Pages 3924-3932
Hydrolytically stable ZIF-8@PDMS Core–Shell Microspheres for Gas-Solid Chromatographic separation Authors: Manju Srivastava, Prasun Kumar Roy, Arunachalam Ramanan	RSC advances, Royal Society of Chemistry	2016, Volume 6, Issue 16, Pages 13426-13432
Toughening of epoxy resin using Zn_4O (1,4-benzenedicarboxylate)$_3$ metal organic framework Authors: Manju, Prasun Kumar Roy, Arunachalam Ramanan,	RSC Advances, Royal Society of Chemistry	2014,Volume 4, Issue 94, Pages 52338-52345
Core–shell polysiloxane–MOF5 microspheres as a stationary phase for gas–solid chromatographic separation Authors: Manju, Prasun Kumar Roy, Arunachalam Ramanan, Chitra Rajagopal	RSC Advances, Royal Society of Chemistry	2014, Volume 4, Issue 34, Pages 17429-17433

Post-consumer PET waste as potential feedstock for metal organic frameworks Authors: Manju, Prasun Kumar Roy, Arunachalam	Materials Letters, North-Holland	2013/9/1,Volume 106, Pages 390-392

Awards & Patents:

Patent Title	Name of the Applicant(s)	Patent No	Award year	Country	Status
Coreshell Microspheres for Chromatographic separations	Roy, P. K.; Manju S, Rajagopal, C. Ramanan, A	2766/DEL/2013	2013	India	Awarded