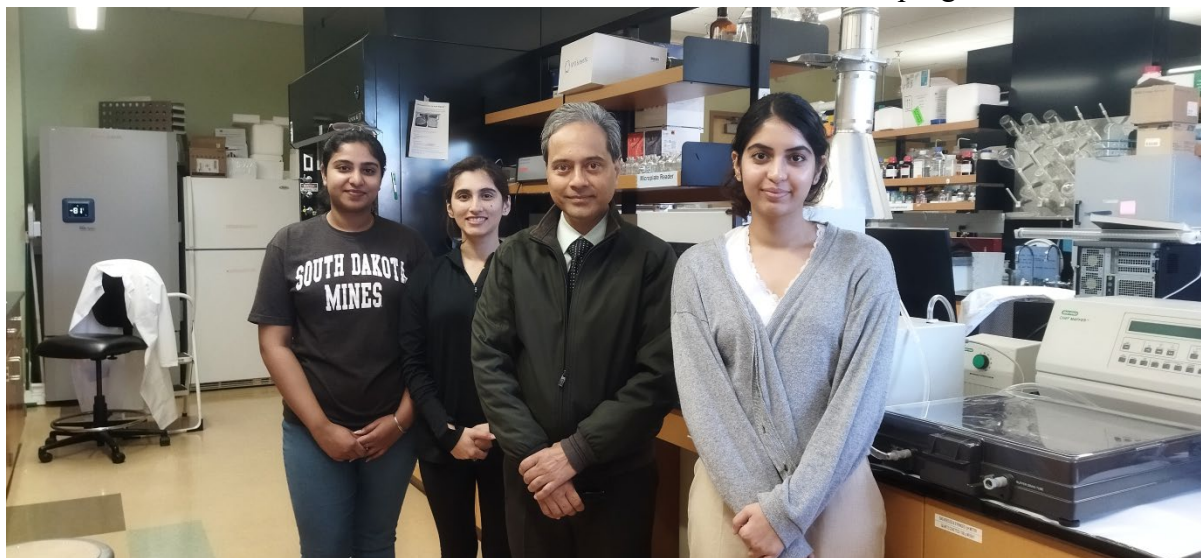


Visit to SDSMT, USA (18 October-25 October, 2023)

Prof. Sudhir Kumar visited South Dakota School of Mines & Technologies, USA from 18 October to 25 October, 2023. During his visit he attended multiple meetings with various coordinators to begin with 4+1 programme for UG students of Jaypee University of Information Technology (JUIT), Wanknaghat, Solan, HP, India. The discussion included course mapping, fee structure, scholarships, duration and selection process etc. Various meetings were held during the including one with Provost Dr. Lance A. Roberts. The MoU between JUIT and SDSMT was renewed for the duration of 05 years till 17th October, 2028. Prof. Rajesh Sani was instrumental in arranging various meetings which included discussion with Dr. James Rankin, Dr. Zhingtao, Dr. Maribeth, Dr. James, Dr. Travis Walker, Ms. Suzi Aadland, Ms Riley Beth.

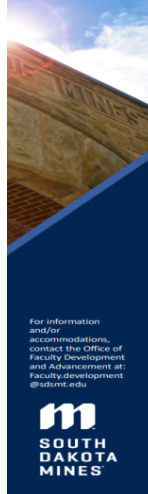
Prof. Sudhir Kumar also met JUIT alumni who are enrolled in Ph.D. program at SDSMT.



Prof. Sudhir with JUIT Alumni – Priya Saxena, Payal Thakur, Jasmeet Kaur

Prof. Sudhir visited various lab facilities of SDSMT and also saw Nano IR facility, and CAPE Lab facility.

He delivered a seminar on “Joy of Teaching” which was arranged by Dr. Andrea Surovek who was looking after the Faculty Development and Advancement activities at SDSMT. In this talk, best practices and philosophy of teaching was shared with participants.



Talking About Teaching @ Mines

THE JOY OF TEACHING

Dr. Sudhir Kumar
Visiting Professor
Jaypee University of Information Technology

MONDAY, OCTOBER 23
3:00 pm
CBEC 3305

Abstract

Teaching is an integral part of our lives, though it happens in a formal way in schools, colleges, and universities. This seminar will focus on sharing a few skill sets and best practices in teaching. In this era of information technology, the scope and challenges of teaching are limitless. The seminar will summarize the philosophy of various teaching practices, passions, and attributes of good teachers. The joy of teaching is to educate, inspire, and infuse creativity in the students. Let us believe that creativity is as important as literacy.

Advancing the frontier of innovation

Another seminar- Karen M. Swindler Seminar was held on his work on Community Engagement and Sustainable Biofuels for Rural Population. The purpose of this seminar was to share JUIT research activities of biofuels with SDSMT faculty and students.

South Dakota Mines banner for Karen M. Swindler Seminar. Title: Community Engagement and Sustainable Biofuels for Rural Population. Speaker: Dr. Sudhir Kumar, Professor and Head, Department of Microbiology and Biotechnology, Jaypee University of Information Technology, Noida, India. Abstract: Rural life is a resource rich with abundance of agricultural and forestry biomass. Through this presentation, I would like to share our work on designing and fabrication of house-hold level biogas digesters and partial utilization towards energy and heating applications working in a rural area. The efficiency of digesters under ever changing environmental conditions, production of biogas, microbial profiling and community engagement in these projects will be discussed. Finally, the development of these modular biogas and its proximate analysis and comparison to hard coal and mining coal will be discussed, the bottleneck issues and our experience in community engagement in these projects will be focus of this seminar. Biographic: Sudhir Kumar is Professor and Head in the Department of Microbiology and Biotechnology at Jaypee University of Information Technology, Noida, India. He received his Ph.D. degree in Biotechnology from Thapar University, Patiala, India. He worked as a professor in the Department of Chemical and Biological Engineering, SOA, OD, in the late of Prof. Rajesh Ranil. His research work is in biobanking of precious metals like gold, silver from a waste and assessing the impact assessment of e-waste on human health and environment. His research group is also involved in development of biofuels (Biogas and Ethanol) from food and agricultural biomass. He imparts training and technology assistance in biotech to students and society. He received research funding from various Indian Govt. funded agencies. Date: TUESDAY, OCTOBER 24, 4:00 PM MT. ROOM: MEETING ROOM 111, 6034-0891.