



| S.No. | Name of the Project/ Endowments, Chairs | Name of the Principal Investigator/ Co Investigator | Name of the Funding agency | Type (Government/Non-Government) | Department of Principal Investigator/ Co Investigator | Faculty Wise | Year of Award | Sanctioned Funds (INR in lakhs) | Remarks |
|-------|---|--|--|----------------------------------|---|--------------|---------------|---------------------------------|-----------|
| 1 | DESIGN AND DEVELOPMENT OF ORTHO MODE TRANSDUCER AND DIELECTRIC HORN ANTENNA FOR X-BAND FREQUENCY | Dr V N Tiwari | DST, New Delhi | Government | ECE Deptt | FOE | 2013-14 | 26.61 | Completed |
| 2 | METAL/HETERO MENTAL OXIDES NANOSTRUCTURES FOR MARINE COATINGS: SYNTHESIS AND CHARACTERIZATION | Dr D C Agarwal | Office of Naval Research Global (ONRG), Singapore | Non-Government | MECHANICAL | FOE | 2013-14 | 135.47 | Completed |
| 3 | ELECTRONIC PROPERTIES AND COMPTON SPECTROSCOPY OF SOME MAGNETIC ALLOYS & COMPOUNDS | Dr Jagrati Sahariya | Science Engg. Research Board, New Delhi (SERB) | Government | Physics Deptt | FOS | 2014-15 | 9.22 | Completed |
| 4 | HARNESSING CYANOBACTERIAL DIVERSITY OF EXTREME ENVIRONMENTS OF RAJASTHAN FOR SCREENING OF UV PROTECTANT MOLECULES. | Dr. Shikha Jain (PI), Dr. Lalita Ledwani (Co-PI) | BCIL, Department of Biotechnology, Govt. of India | Government | Chemistry | FOS | 2015-16 | 8.00 | Completed |
| 5 | TEXTILE INDUSTRIES AND GROUND WATER CONTAMINATION AROUND JAIPUR, INDIA | Prof Lalita Ledwani | Kurita Water Environment Fund, Japan | Non-Government | Chemistry Deptt | FOS | 2015-16 | 1.63 | Completed |
| 6 | PRODUCTION OF CYCLOSPORINE LIKE AMINO (MAAS) FROM CYANOBACTERIA ISOLATED FROM THE HYPER SALINE ENVIRONMENTS | Dr Shikha Jain (PI) Women Scientist Under DST (WOSA) Prof. Lalita Ledwani Mentor | Department of Science and Technology, GOI | Government | Chemistry | FOS | 2016-17 | 32.03 | Completed |
| 7 | IN- SITU EXCHANGE BIAS STUDY OF MAGNETIC NAN CAPS DEPOSITED ONTO SELF-ASSEMBLED POLYSTYRENE NANO SPHERES | Dr Anupam Sharma | UGC-DAE Consortium for Scientific Research, Indore | Government | Physics Deptt | FOS | 2016-17 | 7.69 | Completed |
| 8 | TARGETED DELIVERY OF DEXAMETHASONE- ENCAPSULATING PLGA NANOPARTICLES TO TREAT NEURONAL INFLAMMATIONS: A HALLMARK OF NEURODEGENERATIVE DISORDERS. | Dr Abhijeet Singh | Department of Science and Technology, Rajasthan | Government | Biosciences | FOS | 2016-17 | 16.06 | Completed |
| 9 | SCREENING, ISOLATION AND IDENTIFICATION OF CAROTENOID PRODUCING BACTERIA ALONG WITH BIOMIMETIC SYNTHESIS OF SILVER NANOPARTICLES BY OPTIMIZING PHYSIC CULTURAL CONDITIONS AND THEIR BIOMEDICAL APPLICATIONS | Dr Abhijeet Singh, Mr. Ankit Chokriwal | ICMR for award of SRF | Government | Biosciences | FOS | 2016-17 | 12.69 | Completed |
| 10 | SCREENING, ISOLATION AND IDENTIFICATION OF CAROTENOID PRODUCING BACTERIA ALONG WITH BIOMIMETIC SYNTHESIS OF SILVER NANOPARTICLES BY OPTIMIZING PHYSIC CULTURAL CONDITIONS AND THEIR BIOMEDICAL APPLICATIONS | Dr. Abhijeet singh | ICMR, New Delhi | Government | Biosciences | FOS | 2016-17 | 10.58 | Completed |
| 11 | HYDROGEOMORPHOMETRY OF THE MARTIAN SURFACE : CONNECTING DOTS TO UNDERSTAND THE HYDROLOGIC AND CLIMATIC EVOLUTION AND GROUNDWATER POTENTIALITY OF MA'ADAM VALLIS REGION IN AEOLIS QUADRANGLE (MC-23)" | Prof. A.K. Sinha | ISRO | Government | Biosciences | FOS | 2016-17 | 16.25 | Completed |
| 12 | FORECASTING THE POWER OUTPUT OF SENSITIZED SOLAR CELLS (SSC) WITH VARYING STRUCTURAL AND WEATHER PARAMETERS USING SOFT COMPUTING TECHNIQUES | Dr. Praveen Kumar Surolia/ Prof. (Dr.) Vijaypal Singh Dhaka | Science and Engineering Research Board (SERB) | Government | Chemistry/CCE | FOS | 2016-17 | 62.00 | Completed |
| 13 | EX- SITU CONSERVATION USING IN VITRO METHODS OF AN ENDANGERED PLANT STERCULIA URENS ROXB.: A HIGH VOLUME TRADE PLANT FOR GUM KARAYA | Dr. M.M. Sharma/ Dr. Abhijeet Singh | National Medicinal Plants Board (NMPB), New Delhi | Government | Biosciences | FOS | 2016-17 | 27.22 | Completed |
| 14 | FLUORESCENT MOLECULAR PROBE FOR DETECTION OF REACTIVE OXYGEN SPECIES (ROS) AND METAL IONS | Dr Rahul Srivastava / Dr Arunava Agarwala | Science and Engineering Research Board (SERB) New Delhi | Government | Chemistry | FOS | 2017-18 | 25.00 | Completed |

| | | | | | | | | | |
|----|---|--|--|------------|------------------------|-----|---------|-------|-----------|
| 15 | EFFICIENT AND ECO-FRIENDLY HYDROPHOBIC ANTICORROSION COATING OF NAN-COMPOSITES FORMED BY POLYMERIC MATRIX AND NITROGEN RICH HETEROCYCLIC MOLECULES-GRAFTED GRAPHENE OXIDE AS NANOFILLER | Dr Debasis Behera / Dr Rahul Srivastava | UGC-DAE Consortium for Scientific Research, Indore | Government | Chemistry | FOS | 2017-18 | 12.58 | Completed |
| 16 | NANOPARTICLES BASED MOLECULAR PROBES: EFFECTIVE AND SENSITIVE MOLECULAR TOOLS FOR SENSING OF FLUORIDE AND OTHER TOXIC IONS FROM DRINKING WATER | Dr Rahul Srivastava / Dr Arunava Agarwala | DST, Govt of Rajasthan | Government | Chemistry | FOS | 2017-18 | 4.00 | Completed |
| 17 | DEVELOPMENT OF INNOVATION TECHNOLOGY FOR WASTE WATER TREATMENT FROM TEXTILE INDUSTRIAL SITES OF PALI REGIONAL, RAJ. | Dr Lalita Ledwani (PI)Dr Akhil Agarwal | DST, Govt of Rajasthan | Government | Chemistry | FOS | 2017-18 | 4.00 | Completed |
| 18 | DEVELOPMENT OF SOFT PRINTING SYSTEM FOR DNA MICROARRAY CHIP FABRICATION USING EWOD | Dr Niti Nipun Sharma / Dr Muthusamy Ananthasubramanian | Dept of Biotechnology (DBT) , New Delhi | Government | MECHANICAL | FOE | 2017-18 | 52.21 | Completed |
| 19 | CUSTOMIZED BIOACTIVE COMPOSITE BONE SCAFFOLD WITH CONTROLLED MICROSTRUCTURE | Dr. Sanchita B. Ghosh | Science Engg. Research Board, New Delhi (SERB) | Government | Mechanical Engineering | FOE | 2017-18 | 32.85 | Completed |
| 20 | "M-ROID: FRAMEWORK FOR CAPTURING REAL-TIME DATA THROUGH OPTIMAL DEPLOYMENT OF MULTIPLE MOBILE ROBOTS IN HAZARDOUS INDOOR ENVIRONMENTS FOR DISASTER MANAGEMENT" | Dr Tarun Kumar Dubey / Mr. Rohit Mathur | DST, New Delhi & MSTR, Sri Lanka | Government | ECE | FOE | 2017-18 | 9.75 | Completed |
| 21 | AIR QUALITY ASSESSMENT, TREND ANALYSIS, EMISSION INVENTORY AND SOURCE APPORTIONMENT STUDY IN JAIPUR CITY | Dr Nitin Goyal | RSPCB | Government | Civil Engineering | FOE | 2017-18 | 8.91 | Completed |
| 22 | "JOINT IMAGE COMPRESSION AND ENCRYPTION FOR ACCURACY, RELIABILITY, AND IMAGE QUALITY IN TELEMEDICINE". | Dr. Pratishtha Mahur | DST, Govt of Rajasthan | Government | IT | FOE | 2018-19 | 5.73 | Completed |
| 23 | POLYEXTREMOPHILES FROM EXTREME REGIONS OF RAJASTHAN: ISOLATION, MOLECULAR CHARACTERIZATION AND THEIR FOTTENTIAL BIOTECHNOLOGICAL APPLICATIONS | Dr. Ashima Bagharia | DST, Govt of Rajasthan | Government | Physics | FOS | 2018-19 | 11.53 | Completed |
| 24 | PERFORMANCE OF LOW COST COMMUNITY BASED ONSITE SANITATION SYSTEM IN AMBIENT ENVIRONMENT | Dr. Meena Kumari | DST, Govt of Rajasthan | Government | CIVIL | FOE | 2018-19 | 21.21 | Completed |
| 25 | CASE STUDY FOR JAIPUR ABOUT NON SEWERED SANITATION & FECAL SLUDGE MANAGEMENT | Dr Monika Sogani | ADBI Tokyo, Japan | Government | Civil Engg. | FOE | 2018-19 | 3.48 | Completed |
| 26 | ELECTRONIC STRUCTURE STRATEGIES AND ELECTRON MOMENTUM DENSITIES OF SOME IMPORTANT FUNCTIONAL MATERIALS | Dr. Amit Soni | SCIENCE& ENGINEERINGRESEARCHBOARD(SERB) | Government | Electrical Engineering | FOE | 2018-19 | 18.96 | Completed |
| 27 | DEVELOPMENT OF READY-TO-USE ASSORTED SAND FOR CONSTRUCTION ACTIVITIES FROM ZINC REFINING WASTES AND MARBLE POWDER. | Dr. Bhavna Tripathi | Ministry of Mines Govt. of India | Government | CIVIL | FOE | 2018-19 | 49.55 | Completed |
| 28 | THE EFFECT OF N-ACETYL L-CYSTEINE (NAC) ENCAPSULATED PLGA NANOPARTICLES ON NEUROINFLAMMATION FOR THE TREATMENT OF NEURODEGENERATIVE DISORDERS | Dr. Abhijeet singh | ICMR, New Delhi | Government | Biosciences | FOS | 2018-19 | 2.12 | Completed |
| 29 | ALLCERAMIC MAGNETO-ELECTRIC MULTIFERROIC BASED ENERGY HARVESTERS | Dr. Satyapal Singh Rathore | SCIENCE& ENGINEERINGRESEARCHBOARD(SERB) | Government | Physics Deptt | FOS | 2018-19 | 4.52 | Completed |
| 30 | HIGH INTERNAL PHASE EMULSION AS TEMPLATE FOR MAKING DISPERSABLE HOLLOW MICROSPHERE WITH HYDROPHOBIC PORE INTERNALS FOR PROLONGED RELEASED OF FRANCE MOLECULES | Dr. Anees.A.Yunes Khan | DST SERB | Government | Chemical engineering | FOE | 2019-20 | 31.00 | Completed |
| 31 | ENHANCED BIODEGRADATION OF ORGANIC POLLUTANTS AS WELL AS MICROPOLLUTANTS LIKE ENDOCRINE DISRUPTING COMPOUNDS (EDCS)FROM DAIRY FARM WASTEWATER IN A SINGLE CHAMBERED MICROBIAL FUEL CELL | Dr Monika Sogani | SERB, GOVT. OF INDIA | Government | Civil Engg. | FOE | 2019-20 | 11.37 | Completed |

| | | | | | | | | | |
|----|--|---|---|--------------------|--------------------------------------|-------|---------|-------|-----------|
| 32 | PRESENT STATUS AND FUTURE PROSPECTUS OF CHECKING PSYCHOSOCIAL FACTORS PROMOTING DOPING IN ADOLESCENCE, CRIMINALIZE DOPING AND IN HOUSE FAULTS; AN INVESTIGATION FOR COLLABORATIVE DIVERSIFIED PREVENTION STRATEGIES BY SPORT AND NON SPORT ORGANIZATIONS | Dr. Reena Poonia | Ministry of Youth Affairs & Sports Department of Sports | Government | Sports | FOA&L | 2019-20 | 5.00 | Completed |
| 33 | ASSESSMENT OF IMMUNOMODULATORY PROPERTIES OF STEROIDAL LACTONES ISOLATED FROM WITHANIA COAGULANS | Dr. Rohit Jain | Indian Council of Medical Research (ICMR) | Central Government | Biosciences | FOS | 2019-20 | 15.21 | Completed |
| 34 | IDENTIFYING THE ROLE OF BETAL QUID EXTRACT IN SUSTAINING CANCER STEM CELLS: A POTENTIAL FOR THERAPEUTIC RESISTANCE IN ORAL CANCER | Dr. Rajeev Mishra | SERB, GOVT. OF INDIA | Central Government | Bioscience | FOS | 2019-20 | 32.98 | Completed |
| 35 | DEVELOPMENT AND DEMONSTRATION OF PILOT SCALE HYBRID WASTE WATER TREATMENT SYSTEM WITH HYDRODYNAMIC CAVITATION AND BIOSURFACTANT FOR RECYCLING OF TEXTILE EFFLUENTS | Dr. Mousumi Debnath | SERB- IMPRINT | Central Government | Biosciences | FOS | 2019-20 | 41.42 | Completed |
| 36 | FPGA BASED SYSTEM FOR REGISTRATION OF DIFFRACTION PATTERNS | Dr. Amita Nandal | Indo-Bulgria Joint Project, DST | Central Government | CCE | FOE | 2019-20 | 11.82 | Completed |
| 37 | CONVERSION OF URBAN SOLID WASTE AT DISTRIBUTED LEVEL INTO VALUE ADDED PRODUCTS | Dr Abhishek Sharma | DST, New Delhi | Central Government | Chemical Engineering | FOE | 2020-21 | 82.94 | Ongoing |
| 38 | DEVELOPEMENT AND SCALE UP OF DESERT SOILIFICATION TECHNOLOGY FOR LAND RECLAMATION IN WESTERN RAJASTHAN | Dr Lalita Ledwani (PI)Dr Akhil Agarwal | DST, New Delhi | Central Government | Chemistry Deptt. | FOS | 2020-21 | 32.74 | Ongoing |
| 39 | DESIGN OF PERFORMANCE BASED CONCRETE USING SAND RECLAIMED FROM CONSTRUCTION AND DEMOLITION WASTE | Dr. Bhavna Tripathi | DST New Delhi | Central Government | Civil Engg. | FOE | 2020-21 | 36.49 | Ongoing |
| 40 | PROVIDING MENTAL HEALTH SUPPORT IN OB-GYN SETTING | Dr. BHAWNA CHAHAR | DST - SCIENCE FOR EQUITY EMPOWERMENT AND DEVELOPMENT DIVISION | Central Government | Business Administration | FM&C | 2020-21 | 11.85 | Ongoing |
| 41 | EFFECT OF LITHIUM AND EUROPIUM CO-DOPING ON THE OPTO-ELECTRONIC AND MAGNETIC PROPERTIES OF TRANSITION METAL ION DOPED ZNO NANOSTRUCTURES | Dr Saikat Chattopadhyay | UGC-DAE CONSORTIUM FOR SCIENTIFIC RESEARCH, MUMBAI CENTRE | Central Government | Physics Deptt | FOS | 2020-21 | 0.45 | Ongoing |
| 42 | STRUCTURAL AND FUNCTIONAL STUDIES ON SIGNALLING SYSTEM ASSOCIATED WITH BACITRACIN SENSING AND RESISTANCE IN MULTI-DRUG RESISTANT STAPHYLOCOCCUS AUREUS | Dr. Sandeep Kumar Srivastava | SERB, GOVT. OF INDIA | Central Government | Biosciences | FOS | 2020-21 | 54.73 | Ongoing |
| 43 | DEVELOPMENT OF READY-TO-USE ASSORTED SAND FOR CONSTRUCTION ACTIVITIES FROM ZINC REFINING WASTES AND MARBLE POWDER - PART I | Dr. Bhavna Tripathi | Ministry of Mines, New Delhi | Central Government | Civil Engg. | FOE | 2020-21 | 30.00 | Ongoing |
| 44 | CHEMICAL TAILORING OF EPOXY/ STEEL INTERFACE TO ENHANCE THEIR SYNERGISTIC EFFECT FOR CORROSION PROTECTION: MODELLING AND EXPERIMENTAL INVESTIGATIONS | Dr. Veena Dhayal * | Dept of Science & Technology (DST) | Central Government | Chemistry | FOS | 2020-21 | 2.75 | Ongoing |
| 45 | DEVELOPMENT OF READY-TO-USE ASSORTED SAND FOR CONSTRUCTION ACTIVITIES FROM ZINC REFINING WASTES AND MARBLE POWDER - PART II | Dr. Bhavna Tripathi | Ministry of Mines, New Delhi | Central Government | Civil Engg. | FOE | 2021-22 | 30.00 | Ongoing |
| 46 | DEVELOPMENT OF AIR AND MOISTURE STABLE NOVEL PEROVSKITE CHARGE MEDIATORS FOR SENSITIZED SOLAR CELLS | Dr. Praveen Kumar Surolia | Science and Engineering Research Board (SERB) | Central Government | Chemistry | FOS | 2021-22 | 46.97 | Ongoing |
| 47 | QUANTUM SATELLITE AND FIBRE COMMUNICATION | Dr. Manish Tiwari * | Dept of Science & Technology (DST) | Central Government | ECE | FOE | 2021-22 | 6.71 | Ongoing |
| 48 | SEQUENTIAL ADSORPTION OF MIXTURE OF DYES IN A MULTIBED ADSORPTION SYSTEM USING A LOW-COST ADSORBENT | Dr Manisha Sharma */Dr Anees Ahmed Yunus Khan | SERB Power Grant | Central Government | Biotechnology & Chemical Engineering | FOE | 2022-23 | 27.50 | Ongoing |
| 49 | SHAPE SELECTIVE CATALYSTS FOR CATALYTIC ALKYLATION OF AROMATICS TO PRODUCE PXYLENES | Dr Praveen Kumar Surolia * | DST-INSPIRE Fellowship | Central Government | Chemistry | FOS | 2022-23 | 24.64 | Ongoing |

| | | | | | | | | | |
|----|--|--|--|--------------------|--------------------------------------|---------|---------|---------|---------|
| 50 | ISOLATION AND CHARACTERIZATION OF NEUROACTIVE METABOLITES: PSYCHOACTIVE POTENTIAL OF PROBIOTIC LACTIC ACID BACTERIA | Dr Rakesh Kumar Sharma */Dr Sandeep Kumar Srivastava | Indian Council of Medical Research (ICMR) | Central Government | Biosciences | FOS | 2022-23 | 12.95 | Ongoing |
| 51 | HARNESSING THE POTENTIAL OF POLYHYDROXYALKANOATES (PHA) FROM RHODOSPIRILLUM RUBRUM AS SUSTAINABLE RESOURCE FOR PRODUCTION OF BIOPLASTICS | Dr Monika Sogani * | Royal Institution Mcgill University | Foreign Grant | Biosciences | FOS | 2022-23 | 4.00 | Ongoing |
| 52 | IN SILICO IDENTIFICATION, DESIGN AND EVALUATION OF SMALL MOLECULE INHIBITORS AGAINST NICOTINAMIDASE (PNCA) AND NICOTINATE PHOSPHORIBOSYLTRANSFERASE (PNCB) FROM METHICILLIN RESISTANT STAPHYLOCOCCUS AUR | Dr Sandeep Kumar Srivastava * | INDIAN COUNCIL OF MEDICAL RESEARCH ,NEW DELHI | Central Government | Biosciences | FOS | 2022-23 | 15.47 | Ongoing |
| 53 | PROVIDING LOW COST SOLUTION AND APPROPRIATE MANAGEMENT FRAMEWORK FOR THE REJECT DISPOSAL OF COMMUNITY-BASED RO PLANTS IN MANY AREAS OF RAJASTHAN | Dr Monika Sogani * /Prof. P. J. John /Dr Kumar Sonu | Dept of Science & Technology (DST) | Central Government | Biosciences | FOS | 2022-23 | 37.43 | Ongoing |
| 54 | SHAPE SELECTIVE CATALYSTS FOR CATALYTIC ALKYLATION OF AROMATICS TO PRODUCE PXYLENES | Dr Praveen Kumar Surolia * | DST-INSPIRE Fellowship | Central Government | Chemistry | FOS | 2022-23 | 24.65 | Ongoing |
| 55 | COMPUTATIONAL STUDY OF NANOALLOY CLUSTERS FOR POTENTIAL APPLICATIONS IN ENERGY SECTOR | Dr Prabhat Ranjan * | Science and Engineering Research Board (SERB) | Central Government | Mechatronics Engineering | FOE | 2022-23 | 32.87 | Ongoing |
| 56 | IN SILICO IDENTIFICATION, DESIGN AND EVALUATION OF SMALL MOLECULE INHIBITORS AGAINST NICOTINAMIDASE (PNCA) AND NICOTINATE PHOSPHORIBOSYLTRANSFERASE (PNCB) FROM METHICILLIN RESISTANT STAPHYLOCOCCUS AUR | Dr Sandeep Kumar Srivastava * | INDIAN COUNCIL OF MEDICAL RESEARCH ,NEW DELHI | Central Government | Biosciences | FOS | 2022-23 | 15.47 | Ongoing |
| 57 | DST-FIST PROGRAM | Dr Rohit Jain * Dr Sandeep Kumar Srivastava * Dr Abhijeet Singh * Dr Madan Mohan Sharma * Dr Rakesh Kumar Sharma * Dr Monika Sogani * Dr Mousumi Debnath * Dr Nitesh Kumar Poddar * | Dept of Science & Technology (DST) | Central Government | Biosciences | FOS | 2022-23 | 150.00 | Ongoing |
| 58 | CINEMA MAIN BHARTIYATA | Dr Amit Sharma * | Indian Council of Social Science Research (ICSSR) | Central Government | Journalism & Mass Communication | FOA | 2022-23 | 4.80 | Ongoing |
| 59 | DEVELOPMENT AND UTILIZATION OF HIGH VALUE PRODUCTS FROM WASTE RESOURCES: CIRCULAR | Dr Rohit Jain * Dr Lalita Ledwani * Dr Rakesh Kumar Sharma * Dr Abhishek Sharma * | DST PURSE PROJECT | Central Government | Biotechnology & Chemical Engineering | FOS/FOE | 2022-23 | 1000.00 | Ongoing |
| 60 | SOLUTION FOR AGRICULTURAL AND NON AGRICULTURAL APPLICATIONS | Dr Devershi Pallavi Bhatt * | Unnat Bharat Abhiyan Centre for Rural Development and Technology IIT Delhi | Central Government | Computer Applications | FOS | 2022-23 | 1.00 | Ongoing |
| 61 | HYBRID IRRIGATION SYSTEM FOR SMART AGRICULTURE USING IOT | Dr Manoj Kumar Saini * | Science and Engineering Research Board (SERB) | Central Government | Chemistry | FOS | 2023-24 | 21.41 | Ongoing |
| 62 | ENTHALPIC AND DIELECTRIC RELAXATIONS IN POLYMER-BASED FERROELECTRIC MATERIALS | Dr Saurabh Srivastava * | Science and Engineering Research Board (SERB) | Central Government | Chemistry | FOS | 2023-24 | 24.56 | Ongoing |
| 63 | COVALENT ORGANIC FRAMEWORK (COF) BASED NOVEL MOLECULAR GEARS ON SOLID SURFACES: A QUANTUM MECHANICAL INVESTIGATION | Dr Radhika Mohan Gupta * | Indian Council of Social Science Research (ICSSR) | Central Government | Arts | FOA | 2023-24 | 7.50 | Ongoing |