

**List of Projects under Women Scientists Scheme-A (WOS-A)
During 2016-17
Physical and Mathematical Sciences (PM)**

Sl. No.	Reference No. & Project Title	PIs Name & Address	Duration (Years)	Total Cost (Rs)
1.	SR/WOS-A/PM-2/2016 Development of parallel algorithms for multi-canonical monte carlo technique: application to liquid crystal models.	Dr Kamala Latha Banda School of Physics University of Hyderabad P.O. Central University Hyderabad-500035 Telangana	3	2409000
2.	SR/WOS-A/PM-3/2016 Synthesis, characterization and collective properties of active particles	Ms Reenu Mary Kuriakose Centre for Nanoscience and Nanotechnology, Sathyabama University Jeppiaar Nagar, Rajiv Gandhi Salai Chennai-600040 Tamil Nadu	3	1380000
3.	SR/WOS-A/PM-4/2016 Quasiclassical methods for degenerate fermi systems in confined geometries and low dimensions	Dr Priya Sharma Department of Physics Indian Institute of Science, Bangalore Bangalore-560055 Karnataka	3	2405000
4.	SR/WOS-A/PM-8/2016 Study of microscopic optical potential with three body forces and equation of state	Dr Manjari Sharma Department of Physics Aligarh Muslim University Aligarh-202001 Uttar Pradesh	3	2421000
5.	SR/WOS-A/PM-10/2016 Development of relativistic opacity code for hot and dense plasma.	Dr Madhulita Das Department of Physics and Astronomy National Institute of Technology Rourkela Rourkela-769008 Orissa	3	2410000
6.	SR/WOS-A/PM-11/2016 Moulding of two advanced materials for technical applications	Dr Chhayabrita Maji Department & Materials Science Indian Association for the Cultivation of Science, Jadavpur Kolkata-700135 West Bengal	3	2180000
7.	SR/WOS-A/PM-13/2016 Contributions to cost efficient trend free factorial designs	Ms Puja Thapiyal Department of Statistics Sri Venkateswara College, Delhi-34 Delhi	3	1790000
8.	SR/WOS-A/PM-14/2016 Some current quantum mechanical problems in linear and nonlinear quantum systems	Dr Anjana Sinha Physical and Applied Mathematics Unit Indian Statistical Institute Barrackpore Trunk Road Kolkata-700055 West Bengal	3	2430000
9.	SR/WOS-A/PM-16/2016 Nanocomposites of rare earth orthoferrites RFeO ₃ : An approach towards multiferroicity.	Dr Smita Chaturvedi Department of Physics, Indian Institute of Science Education & Research, Pune-411021 Maharashtra	3	2955000

10.	SR/WOS-A/PM-18/2016 Trajectory controllability of nonlinear systems using fractional calculus	Ms Divya Raghavan Department of Mathematics Indian Institute of Technology Roorkee Roorkee-247667 Uttarakhand	3	1375000
11.	SR/WOS-A/PM-21/2016 Dynamic phase transitions in complex networks	Ms Ashwini Vishal Mahajan Department of Physics Savitribai Phule University Pune-411033 Maharashtra	3	1935000
12.	SR/WOS-A/PM-25/2016 Scalable production of graphene oxide, its derivatives and applications in: Metal detection in water and toxicity assay in beauty creams, Targeted drug delivery & Industrial application of β -amylase	Dr Mahe Talat Department of Physics Banaras Hindu University Varanasi-221005 Uttar Pradesh	3	2508000
13.	SR/WOS-A/PM-26/2016 Studies on binary and multicluster fission	Ms Annu Cyriac Department of Physic School of Pure and Applied Physics Kannur University, P.O. Edat Payyanur-671314 Kerala	3	1860000
14.	SR/WOS-A/PM-31/2016 Primes of the form $x^2 + ny^2$ with Legendre(x m) = ± 1 , Legendre(y m) = 0 and Legendre(x m) = 0, Legendre(y m) = ± 1 for some $m \in \mathbb{N}$ and related problems.	Dr Sushma Palimar Department of Mathematics Indian Institute of Science, Bangalore Udupi-576102 Karnataka	3	2410000
15.	SR/WOS-A/PM-32/2016 Mathematical models and analysis for computation of total attenuation of signals via earth-space paths	Ms Naga Pavani Mulupuri Department of Pure & Applied Physics University of Kota Kota-304010 Rajasthan	3	3160000
16.	SR/WOS-A/PM-40/2016 Nonlinearities in semiconductor optical amplifiers (SOA)	Dr Pragya Hejib Department of Electronic Science University of Delhi, South Campus Gurgaon-122009 Haryana	3	2904000
17.	SR/WOS-A/PM-41/2016 Design of hybrid materials for security printing using nanophosphors/magnetic nanoparticles	Dr Geeta Sharma Physical & Materials Chemistry Division National Chemical Laboratory Pune-411008 Maharashtra	3	2838000
18.	SR/WOS-A/PM-43/2016 Investigation on topological indices	Ms T Deepika Department of Studies in Mathematics Vijayanagara Sri Krishnadevaraya University Ballari-583105 Karnataka	3	970000
19.	SR/WOS-A/PM-44/2016 Synthesis & characterization of environmental friendly thermoelectric materials for renewable energy applications	Ms Sarita Devi Sharma University School of Basic and Applied Science, GGS Indraprastha University, New Delhi-110078 Delhi	3	2342000

20.	SR/WOS-A/PM-47/2016 Substitution induced multifunctional behavior of oxide materials	Dr Deepika Tripathi Department of Physics Barkatullah University Bhopal-462039 Madhya Pradesh	3	2620000
21.	SR/WOS-A/PM-52/2016 Stochastic thermodynamics of non-equilibrium spin-transport in nano-magnets	Dr Swarnali Bandopadhyay Institute of Physics Sachivalaya Marg Bhubaneswar-751005 Orissa	3	2790000
22.	SR/WOS-A/PM-54/2016 Investigation of optical properties of metal nanoparticles embedded conducting polymer	Ms Swatilekha Roy Department of Instrumentation Science Jadavpur University Kolkata-700032 West Bengal	3	2265000
23.	SR/WOS-A/PM-58/2016 Laser driven THz radiation generation in plasmas and metal films	Dr Rakhee Malik Centre for Energy Studies Indian Institute of Technology Delhi New Delhi-110016 Delhi	3	2450000
24.	SR/WOS-A/PM-60/2016 Development of high-performance nano cathode material system for the next generation low temperature solid oxide fuel cells	Dr Chilkamarri Sameera Department of Physics University College of Science Osmania University Hyderabad-500007 Telangana	3	2570000
25.	SR/WOS-A/PM-65/2016 Tailoring the properties of InGaN/TiO ₂ nano-heterostructures for the fabrication of efficient water splitters	Dr C Saraswathi International Centre for Materials Science & Chemistry and Physics of Materials Unit, Jawaharlal Nehru Centre for Advanced Scientific Research Bangalore-560064 Kerala	3	3168000
26.	SR/WOS-A/PM-72/2016 Encapsulate Nanostructured Metal Oxides for Gas Sensing Applications	Dr Sonalika Agarwal Soft Materials Laboratory, Department of Physics, Malaviya National Institute of Technology Jaipur-302017 Rajasthan	3	2948000
27.	SR/WOS-A/PM-76/2016 Multiferroic Magnetolectric Composites: Structure and Property Correlations.	Dr K S Deepa Department of Physics Mohanlal Sukhadia University Udaipur-313001 Rajasthan	3	3200500
28.	SR/WOS-A/PM-77/2016 Measures and Aggregation operators on fuzzy/intuitionistic soft sets with applications in decision-making	Ms Rishu Arora School of Mathematics Thapar University Patiala-147004 Punjab	3	1390000
29.	SR/WOS-A/PM-78/2016 Investigation of Fluorescence Resonance Energy Transfer in solution and in ultrathin films and its sensing applications	Ms Jaba Saha Department of Physics Tripura University Suryamaninagar-799022 Tripura	3	1196000

30.	SR/WOS-A/PM-79/2016 Fault tolerability of variants of hypercubes and its related aspects	Dr Smruti Ashok Mane Department of Mathematics Savitribai Phule Pune University Pune-411007 Maharashtra	3	2352000
31.	SR/WOS-A/PM-80/2016 A Theoretical Approach to Nano-structured Correlated Systems	Dr Sudipta Koley Department of Physics, North Eastern Hill University Shillong-793022 Meghalaya	3	2770000
32.	SR/WOS-A/PM-82/2016 Effect of dust particles on blast waves produced by nuclear explosion.	Dr Meera Chadha Department of Mathematics Netaji Subhas Institute of Technology New Delhi-110078 Dehli	3	2540000
33.	SR/WOS-A/PM-83/2016 Spectroscopy of the solar corona using ground and space based observations	Ms Maya Prabhakar Indian Institute of Astrophysics Bangalore-560034 Karnataka	3	1414000
34.	SR/WOS-A/PM-88/2016 Studies of various alkali metal oxides containing calcium silicate glasses as substrate for solar cell application	Ms Neetu Bansal School of Physics and Materials Science Thapar University Patiala-147004 Punjab	3	2370000
35.	SR/WOS-A/PM-90/2016 Organic Solar Cells Using Liquid Crystal Nano Composites	Ms Akanksha Khare Centre of Materials Science Institute of Interdisciplinary Studies University of Allahabad Allahabad-211002 Uttra Pradesh	3	1809000
36.	SR/WOS-A/PM-91/2016 EID based repetitive control design for fuzzy dynamical systems	Ms S Mohanapriya Department of Science & Humanities Anna University, Regional Centre Coimbatore-641046 Tamil Nadu	3	1765000
37.	SR/WOS-A/PM-92/2016 Synthesis and optimizing the properties of rare earth doped M type BaFe ₁₂ O ₁₉ nanomaterial for microwave absorption	Dr Subarna Das Materials Science Group, Homi Bhabha National Institute, Indira Gandhi Centre for Atomic Research Kalpakkam-603102 Tamil Nadu	3	3050500
38.	SR/WOS-A/PM-95/2016 Energetic, Structural and Optoelectronic Properties of III-V Semiconductor Heterostructure Nanowires	Ms Trupti K. Gajaria Department of Physics, Faculty of Science, The M.S. University of Baroda Vadodara-390002 Gujarat	3	1335000
39.	SR/WOS-A/PM-96/2016 Synthesis, Characterization And Effect Of Swift Heavy Ion Irradiation On Doped Perovskites	Ms Samiya Manzoor Department of Physics Aligarh Muslim University Aligarh-202002 Uttra Pradesh	3	2188000
40.	SR/WOS-A/PM-97/2016 Development of Graphene based composite materials for solar energy applications	Dr Beauty Pandey Department of Physics Indian Institute of Technology Madras Chennai-600036 TN	3	3070000
41.	SR/WOS-A/PM-98/2016 Preparation and Application of Nanocomposite Thin Films of Carbon Nanotubes and Rare Earth Oxides as Hydrogen Gas Sensors	Dr Nipin Kohli Department of Physics Guru Nanak Dev University Amritsar-143005 Punjab	3	2838000

42.	SR/WOS-A/PM-99/2016 First Principle Studies And Synthesis, Characterization, Physical Properties Of Multiferroics RfeO ₃ (R=Bi, Ga, La, Nd) Nanoparticles	Dr E.G Rini Discipline of Physics, Metallurgy Engineering and Materials Sciences (MES) Centre of Astronomy Indian Institute of Technology Indore, Indore-453552 Madhya Pradesh	3	3115500
43.	SR/WOS-A/PM-100/2016 Analysis of Gravitational Collapse using Classical, Semiclassical and Stochastic Gravity	Dr Seema Eruch Satin Department of Physical Sciences Indian Institute of Science Education & Research (IISER) Mohali Mohali-40306 Punjab	3	2201500
44.	SR/WOS-A/PM-101/2016 Adaptive reliable mechanism for bio-economic singular fuzzy stochastic system	Ms Susana Ramy Department of Mathematics Anna University Regional Campus Coimbatore-641046 Tamil Nadu	3	1776500
45.	SR/WOS-A/PM-102/2016 Growth and characterization of high quality organic dat-2, hmq-tms and ohq-t crystals for efficient broad band terahertz generation	Dr Boomadevi Shanmugam Department of Physics National Institute of Technology Tiruchirapalli-620015 Tamil Nadu	3	2633500
46.	SR/WOS-A/PM-106/2016 On Some Generalized Continuous Multifunctions and Applications	Dr Chandrani Basu Department of Mathematics South Asian University New Delhi-110021 Delhi	3	224000
47.	SR/WOS-A/PM-108/2016 Smart pesticide nano-biosensors for health and environmental safety	Dr GBVS Lakshmi Special Center for Nanoscience Jawaharlal Nehru University New Delhi-110067 Dehli	3	2770000
48.	SR/WOS-A/PM-109/2016 Growth and optical waveguide formation in new gpi based single crystals	Dr Shanmuga S Sundari Department of Physics PSGR Krishnammal College for Women Coimbatore-641004 Tamil Nadu	3	2770000
49.	SR/WOS-A/PM-111/2016 Fabrication of miniature nanostructured MOS gas sensor for detection of NO ₂ gas	Dr Vasanthi Pillay Department of Chemistry Osmania University Hyderabad-500007 Telangana	3	2610500
50.	SR/WOS-A/PM-115/2016 Design, synthesis and investigation of morphological dependent activity of Cobalt based catalysts to improve the efficiency and efficacy of hydrogen production by electrolysis of water	Ms Avani Chunduri Department of Physics University of Mumbai Vidyanagari, Santacruz (E) Mumbai-400098 Maharashtra	3	2130000
51.	SR/WOS-A/PM-116/2016 Development of low-cost CuTiO _x photocatalyst composite for solar water splitting: Theoretical and experimental investigations.	Ms Asha Yadav Department Physics University of Mumbai Vidanagari, Kalina, Santacruz (E) Mumbai-400098 Maharashtra	3	986000
52.	SR/WOS-A/PM-117/2016 An investigation of beyond standard model physics with special focus on left right supersymmetry	Dr Piyali Banerjee Department of Physics Indian Institute of Technology Bombay Mumbai-400076 Maharashtra	3	2356000

Chemical Sciences (CS)

Sl. No.	Reference No. & Project Title	PIs Name & Address	Duration (Years)	Total Cost (Rs)
1.	SR/WOS-A/CS-10/2016 Synthesis, characterization and application of green bio nano composites for environmental remediation	Dr Nalini Sankarsramakrishnan Department of Chemical Engineering Indian Institute of Technology Kanpur Kanpur-208016 Uttar Pradesh	3	3000000
2.	SR/WOS-A/CS-19/2016 Ferroelectric polymers-synthesis and characterisation PVDF and VDF copolymers.	Dr Yatiraja Valli Madabhushi Fluoroorganics Division, Indian Institute of Chemical Technology Hyderabad-500007 Telangana	3	2995500
3.	SR/WOS-A/CS-20/2016 Development of multi-elementally and nano morphologically modified advanced light weight carbon nano tubes (CNTs) based radiation shielding bandage useful for broad application spectrum.	Dr Sarika Verma Advanced Materials & Processes Research Institute, Near Habibganj Naka Bhopal-462026 Madhya Pradesh	3	2495000
4.	SR/WOS-A/CS-22/2016 Designing benzothiazoles and oxadiazoles through synthesis and DFT-TDDFT studies for better OLED applications.	Ms A Bella PG & Research Department of Chemistry, Bishop Heber College Trichirappalli-620017 Tamil Nadu	3	2100000
5.	SR/WOS-A/CS-31/2016 Development of tumor-specific iron (III)-based metalloprodrugs	Ms Saikhombinita Chanu Department of Chemistry, National Institute of Technology Manipur Imphal-795004 Manipur	3	1760000
6.	SR/WOS-A/CS-36/2016 Development of internally plasticized high impact graphene/Clay-polyvinyl chloride nanocomposites	Dr Sukanya Satapathy Polymers & Functional Materials Division, Indian Institute of Chemical Technology, Hyderabad Hyderabad-500007 Telangana	3	2618000
7.	SR/WOS-A/CS-44/2016 Investigating the effect of disulfide depletion on therapeutic peptides	Ms Harsha Chilukuri Division of Organic Chemistry, National Chemical Laboratory, Pune-411008 Maharashtra	3	2300000
8.	SR/WOS-A/CS-54/2016 Synthesis of new anti-TB compounds with novel mechanism of action	Ms Bisma Teli Dept of Medicinal Chemistry, Indian Institute of Integrative Medicine Srinagar-190005 Jammu & Kashmir	3	1730000
9.	SR/WOS-A/CS-60/2016 Catalytic asymmetric dearomatization	Dr Suparna Roy Division of Organic Chemistry CSIR-National Chemical Laboratory Pune-411008 Maharashtra	3	2890000
10.	SR/WOS-A/CS-65/2016 N-Heterocyclic carbene-stabilized silaallenes, silacumulenes, phosphallenes and phosphacumulenes	Dr Kavitha Velappan Gandhi Institute of Technology and Management, GITAM University isakhapatnam-530045 Telangana	3	2385000
11.	SR/WOS-A/CS-73/2016 Tuning of pH-responsive behavior of conducting polymer bio-composites for biomedical applications	Dr Neelima Dubey Department of Chemistry Kurukshetra University Kurukshetra-136119 Haryana	3	2950000

12.	SR/WOS-A/CS-75/2016 Lead compounds identification and characterization based on the natural plant aboutilon indicum towards anticancer activities-A practical and computational approach	Dr P. Uma Maheswari Department of Chemical Engineering National Institute of Technology Tiruchirappalli Tiruchirappalli-620015 TN	3	2810000
13.	SR/WOS-A/CS-76/2016 Design, development and evaluation of orally bio-available prodrugs of Bergenin	Dr Madhavi Suresh Indian Institute of Integrative Medicine, Canal Road Jammu-180001 Jammu & Kashmir	3	3000000
14.	SR/WOS-A/CS-78/2016 Synthesis, structure refinement, and polytypism of cation-ordered layered double hydroxides	Ms P Latha Department of Chemistry, Bangalore University, Bangalore-560001 Karnataka	3	1861500
15.	SR/WOS-A/CS-82/2016 Cationic meso-thienylporphyrins and its transition metal complexes: synthesis, photophysical, electrochemical studies and DNA interaction	Dr Subramaniam Sujatha Department of Chemistry School of Natural Sciences National Institute of Technology, Calicut-673601 Kerala	3	3030500
16.	SR/WOS-A/CS-90/2016 Dynamic study of highly efficient quantum dot sensitized solar cells based on earth abundant metal chalcogenides (MX ₂ with M = Fe, Mo, W; X = S, Se) semiconductor as a sensitizer for TiO ₂	Dr Priyanka Pandey Department of Chemistry Indian Institute of Technology Delhi New Delhi-110016 New Delhi	3	2995500
17.	SR/WOS-A/CS-91/2016 Application of novel cis-Bimetallic Palladium(II) Complex of Dinaphthoporphycene as catalyst in Cyanation of Aryl Halides and Allylic substitution reactions	Dr Manasi Dalai School of Chemistry, University of Hyderabad, Hyderabad-500046 Telangana	3	3220500
18.	SR/WOS-A/CS-97/2016 Design, synthesis, characterization and biological evaluation of cashew nut shell liquid based nanostructured metal organic frameworks	Dr Fahmina Zafar Inorganic Materials Research Laboratory, Department of Chemistry Jamia Millia Islamia New Delhi-110025 Delhi	3	2555000
19.	SR/WOS-A/CS-105/2016 Novel polymer supported chiral metal catalysts: asymmetric cross-coupling reactions	Dr Tamilselvi Chinnusamy School of Chemistry, Indian Institute of Science Education and Research College of Engineering Campus Trivandrum-695016 Kerala	3	2940000
20.	SR/WOS-A/CS-110/2016 Green synthesis of polymeric beads grafted with metal nanoparticles-decorated graphene oxide for environmental remediation applications	Dr Shraddha Mishra Department of Chemical Engineering, Indian Institute of Technology Kanpur Kanpur-208016 Uttar Pradesh	3	2920500
21.	SR/WOS-A/CS-113/2016 Design, synthesis and development of E7010 and phenastatin based new class of anticancer agents and their biological evaluation	Dr Jyothi Vantikommu Centre for Chemical Sciences & Technology, Institute of Science & Technology, Jawaharlal Nehru Technological University Hyderabad Hyderabad-500085 Telangana	3	2583000

22.	SR/WOS-A/CS-114/2016 Development of nano composite polymer electrolyte for the application of renewable energy source	Ms Nidhi Asthana National Centre of Experimental Mineralogy and Petrology University of Allahabad Allahabad-211002 Uttar Pradesh	3	1545000
23.	SR/WOS-A/CS-119/2016 Design and synthesis of new panchromatic dyes: application in dye sensitized solar cells and detailed study of electron transfer dynamics	Dr Bijitha Balan Photosciences and photonics Division National Institute of Interdisciplinary Science & Technology New Delhi-110025 Delhi	3	2995500
24.	SR/WOS-A/CS-126/2016 Rational design, synthesis and antineoplastic evaluations of anthraquinone derivatives	Ms Bijayashree Mishra Department of Chemistry Tripura University Suryamaninagar Suryamaninagar-799022 Tripura	3	2302000
25.	SR/WOS-A/CS-129/2016 Design and synthesis of new antibacterial agents targeting the cell division protein FtsZ	Dr Geetanjali Agnihotri Infectious Disease Biology Institute of Life Sciences Nalco Square, Bhubaneswar Bhubaneswar-751023 Orissa	3	3037500
26.	SR/WOS-A/CS-130/2016 Exploring and engineering the frontier energy levels of electron delocalized systems	Dr Pattath Damodaran Pancharatna Pancharatna, Department of Chemistry, Pondicherry University Pondicherry-605014 Pondicherry	3	3105500
27.	SR/WOS-A/CS-134/2016 Synthesis of chiral liquid crystals and their composites with nanoparticles: development of functional mesophases for applied science	Dr Uma Siddhalingayya Hiremath Centre for Nano and Soft Matter Sciences, Jalahalli Bengaluru-560013 Karnataka	3	2665500
28.	SR/WOS-A/CS-136/2016 Synthetic probes for staudinger ligation: synthesis and application of phosphane based templates	Dr Kiran Bajaj Department of Chemistry, Birla Institute of Technology and Science Pilani-333031 Rajasthan	3	2970000
29.	SR/WOS-A/CS-148/2016 Chemical investigation of bioactive molecules of Cuscuta species and its antiproliferative activity against human cancer cells lines.	Ms Zulfa Nooreen Chemical Sciences Division, Central Institute of Medicinal & Aromatic Plants Lucknow-226015 Uttar Pradesh	3	2205000
30.	SR/WOS-A/CS-153/2016 Computational studies on the transition-metal catalyzed C-C and C-H bond activation with special emphasis on iridium, platinum and gold catalyzed reactions	Dr Kuheli Chakrabarty Department of Chemistry Visva-Bharati Santiniketan,-731235 West Bengal	3	2806500
31.	SR/WOS-A/CS-158/2016 Design of biocompatible fluorescent magnetic nanoparticles for imaging the cancer cells and their possible theranostic use	Dr Madhuri Mandal Goswami Department of Condensed Matter Physics and Materials Science, SN. Bose National Centre for Basic Sciences Kolkata-700106 West Bengal	3	3039600

32.	SR/WOS-A/CS-159/2016 Synthesis of bioactive polymers to prevent demineralization on tooth surfaces	Dr Naga Juttukonda Rupa Vani Polymer Science & Engineering Division, National Chemical Laboratory Pune-41108 Maharashtra	3	2654500
33.	SR/WOS-A/CS-165/2016 Methane to methanol transformation over metal encapsulated zeolites: A DFT study of mechanism	Dr Shrabani Dinda Centre for Molecular Modeling Indian Institute of Chemical Technology, Hyderabad-500607 Telangana	3	2421000
34.	SR/WOS-A/CS-167/2016 Mechanistic insights into alkane hydroxylation and halogenation reactions by Non-heme Fe complexes - A DFT study	Dr Prabha Vadivelu Department of Chemistry University of Kerala, Kariavattom Thiruvananthapuram-695581 Kerala	3	3010000
35.	SR/WOS-A/CS-169/2016 Mass spectrometry based Proteomics and PTM studies to discover pre-gestational diabetes biomarkers	Dr Bhaswati Chatterjee National Institute of Pharmaceutical Education and Research (NIPER) Hyderabad-500037 Telangana	3	3010000

Life Sciences (LS)

Sl. No.	Reference No. & Project Title	PIs Name & Address	Duration (Years)	Total Cost (Rs)
1.	SR/WOS-A/LS-7/2016 Synthesis of biofunctionalized phyto-nanoarchitectures for targeted therapy of inflammatory bowel disease	Dr Swati Vishwas Pund Department of Biosciences & Bioengineering, Indian Institute of Technology Bombay Mumbai-400076 Maharashtra	3	3220000
2.	SR/WOS-A/LS-9/2016 Investigating the role of a novel RING domain E3-ubiquitin ligase, DZIP3 in regulation of cell cycle and cancer progression	Dr Swati Chauhan Institute of Life Sciences Nalco Square, Chandrasekharpur Bhubaneswar-751023 Odisha	3	3090000
3.	SR/WOS-A/LS-10/2016 Characterization of NFBFD1 protein, a mediator of ATM DNA damage response and to explore its potential as a cancer therapeutic target	Dr Neeru Singh Chemistry & Bio-engineering Indian Institute of Technology Gandhinagar, Gandhinagar-382355 Gujarat	3	3110000
4.	SR/WOS-A/LS-12/2016 Investigating the role of plant SNARE proteins in salt tolerance	Dr Divya Rajagopal Laboratory of Membrane Biophysics National Centre for Biological Sciences Tata Institute of Fundamental Research Bangalore-560065 Karnataka	3	3000000
5.	SR/WOS-A/LS-13/2016 Studying and experimentation of different parameters for cryopreservation of breast milk and its constituent cells for use in future medical emergent	Dr Seema Tripathy Post Graduate Department of Zoology Utkal University, Vani Vihar Bhubaneswar-751004 Odisha	3	3220000
6.	SR/WOS-A/LS-15/2016 Regulation of pluripotency by autophagy in mouse embryonic stem cells	Dr Shalmali Bivalkar National Center for Cell Science Savitribai Phule Pune University Campus Pune-411007 Maharashtra	3	3220000
7.	SR/WOS-A/LS-21/2016 Novel approach to treat prostate cancer: Combinatorial therapy to target hypoxia-induced ER stress using HIF-1 α and ER stress inhibitors	Ms Sandhya Chipurupalli Department of Pharmacology J.S.S. College of Pharmacy Rockland's Ootacamund-643001 Tamil Nadu	3	2480000
8.	SR/WOS-A/LS-22/2016 Molecular and chemical profiling of different populations of Rheum species	Ms Shagoon Tabin Khan Centre of Research for Development & PG Department of Environmental Science, Faculty of Biological Science University of Kashmir, Hazratbal Srinagar-190006 Jammu and Kashmir	3	2164000
9.	SR/WOS-A/LS-29/2016 Genetic and molecular dissection of rust resistance in soybean	Dr Shobha Ulavappa Immadi University of Agricultural Sciences Dharwad-80005 Karnataka	3	2930000

10.	SR/WOS-A/LS-32/2016 Production, characterization and over expression of Versatile Peroxidase (VP) of White-Rot fungi for deconstruction of lignocellulosic crop residues	Ms R Aarthi Bioenergetics & Environmental Sciences Division, National Institute of Animal Nutrition & Physiology, Adugodi Bangalore-560030 Karnataka	3	2350000
11.	SR/WOS-A/LS-36/2016 Production of nano-scaled bacterial cellulose and its application as bioactive paper products	Dr Chhavi Sharma Avantha Centre for Industrial Research & Development, Paper Mill Campus Yamuna Nagar-135001 Haryana	3	2350000
12.	SR/WOS-A/LS-38/2016 Development of an integrated bioprocess for synthesis and purification of galacto-oligosaccharides	Dr Anita Srivastava Department of Biochemical Engineering & Biotechnology, Indian Institute of Technology Delhi New Delhi-110016 Delhi	3	2974000
13.	SR/WOS-A/LS-48/2016 Functional validation of novel sequence variants in monogenic disorders to prove their pathogenicity	Dr Priyanka Srivastava Department of Medical Genetics Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareli Road Lucknow-226014 Uttar Pradesh	3	2930000
14.	SR/WOS-A/LS-49/2016 Exploring the role of JA signaling pathway in Arachis hypogea - Bradyrhizobia root nodule symbiosis	Dr Saswati Sen Department of Biochemistry University of Calcutta Kolkata-700019 West Bengal	3	3100000
15.	SR/WOS-A/LS-54/2016 Cloning, sequencing and expression of a gene linked to induced antiviral resistance in papaya	Dr Aparna Srivastava Molecular Plant Virology Lab, Department of Botany, Lucknow University, Lucknow-226007 Uttar Pradesh	3	3220000
16.	SR/WOS-A/LS-61/2016 To decipher the histone acetylation dynamics regulating the yield and quality of cotton fiber	Dr Amita Dubey Plant Molecular Biology and Genetic Engineering Division National Botanical Research Institute, Lucknow-226001 Uttar Pradesh	3	3150000
17.	SR/WOS-A/LS-64/2016 Dual acting methotrexate conjugated oleyl chitosan coated iron oxide/gold hybrid nanobiocomposites for lung cancer imaging (MRI and CT) and therapy	Dr Hemlatha Thiagarajan Bio-Products Laboratory Central Leather Research Institute Adyar Chennai-600020 Tamil Nadu	3	3000000
18.	SR/WOS-A/LS-66/2016 Identification and characterization of molecular receptors in Aedes aegypti associated with dengue virus serotype -2 and understanding their role in pathogenesis	Dr Sonam Popli Department of Zoology, Gut Biology Lab, Lab Number-117, University of Delhi, North Campus. Delhi-110007 Delhi	3	3000000
19.	SR/WOS-A/LS-85/2016 Characterization and functional validation of cold induced gene from Brassica oleracea in Arabidopsis thaliana	Ms Nelofer Jan Department of Botany University of Kashmir, Srinagar-190006 Jammu & Kashmir	3	3000000

20.	SR/WOS-A/LS-98/2016 Role of SUN1 (Sad1/UNC-84) domain protein from Chickpea and its orthologue from Arabidopsis in dehydration Stress	Ms Poonam Mishra National Institute of Plant Genome Research, Jawaharlal Nehru University Campus, Aruna Asaf Ali Marg New Delhi-110067 Delhi	3	1980000
21.	SR/WOS-A/LS-104/2016 Design, synthesis, and anti-hiv evaluation of novel 1,3,5-triazine derivatives targeting the entrance channel of the nrti binding pocket	Ms Saumya Singh Drug Design and Discovery Laboratory Department of Pharmaceutical Sciences Sam Higginbottom Institute of Agriculture Technology and Sciences, Allahabad-211007 Uttar Pradesh	3	1820000
22.	SR/WOS-A/LS-109/2016 Taxonomy and DNA-barcoding of blow flies (Diptera:Calliphoridae) from North-east Himalaya	Dr Meenakshi Malhotra Department of Zoology and Environmental Sciences Punjabi University Patiala-147002 Punjab	3	2670000
23.	SR/WOS-A/LS-119/2016 In vitro and in vivo anticlastogenic potential constituents of marine actinobacteria against mammary carcinogenesis	Ms Ajitha Gomathi School of Bio-Sciences & Technology (SBST), VIT University, Vellore Vellore-632014 Tamil Nadu	3	1750000
24.	SR/WOS-A/LS-128/2016 Co delivery of Erlotinib and Luteolin with Chitosan-g-TPGS nanocarriers - Potential modulators of EGFR mediated PI3K/AKT/mTOR pathway for overcoming multidrug resistance	Ms Parimala Devi Ganthala Department of Medicinal Chemistry National Institute of Pharmaceutical Education and Research (NIPER), Balanagar, Hyderabad Hyderabad-500037 Telangana	3	2040000
25.	SR/WOS-A/LS-135/2016 Novel biopolymer Gum kondagogu (Cochlospermum gossypium) based nanocarrier matrix for the delivery of selected anticancer drugs	Dr Vani Katukam Department of Biochemistry UCS, Osmania University Hyderabad-500007 Telangana	3	3168000
26.	SR/WOS-A/LS-145/2016 Laboratory culturing and field studies to understand the effect of dissolved oxygen on benthic foraminifera, and its paleoclimatic implications	Dr Sujata kurtarkar Raikar Geological Oceanography Division Marine Archaeology Unit National Institute of Oceanography Dona Paula-403004 Goa	3	2510000
27.	SR/WOS-A/LS-159/2016 Plant extract-mediated synthesis of nanocatalysts (metal and metal oxides) for the enhanced energy recovery using microbial fuel cell	Dr Swagatika Rout Department of Biotechnology Indian Institute of Technology Kharagpur Kharagpur-721302 West Bengal	3	2780000
28.	SR/WOS-A/LS-160/2016 Microalgal cultivation for commercial scale astaxanthin production and other value added bioproducts	Dr Simrat Kaur Centre for Bioenergy Indian Institute of Technology Kharagpur-721302 West Bengal	3	2780000

29.	SR/WOS-A/LS-164/2016 Investigation on expression analysis of 2 acetyl-1-pyrroline (2AP) biosynthetic pathway genes in scented rice (<i>Oryza sativa</i> L.) under salt stress	Ms Renuka Department of Botany Savitribai Phule Pune University Pune-411007 Maharashtra	3	2360000
30.	SR/WOS-A/LS-170/2016 Biodiversity and biotechnological potentials of endophytic fungi from selected medicinal plants of Arunachal Pradesh, India	Ms Richa Sharma Department of Botany, Rajiv Gandhi University, Rono Hills, Doimukh-791112 Arunachal Pradesh	3	2230000
31.	SR/WOS-A/LS-172/2016 Elucidating the network of miRNAs targets' and their significance in the murine neuronal cells development and differentiation	Dr Vanita Uppada Department of Animal Sciences School of Life Sciences, University of Hyderabad, CR Rao Road, Gachibowli Hyderabad-500046 Telangana	3	3220000
32.	SR/WOS-A/LS-173/2016 Studying the effect of actin targeted drugs on the actin binding domain of β -spectrin	Dr Sansa Dutta Crystallography & Molecular Biology Division, Saha Institute of Nuclear Physics, 1/AF Bidhannagar Kolkata-700064 West Bengal	3	3110000
33.	SR/WOS-A/LS-176/2016 Molecular and In-silico characterization of stress responsive hypothetical proteins of <i>Anabaena</i> PCC7120	Dr Ruchi Rai Department of Botany, Institute of Science, Banaras Hindu University Varanasi-221005 Uttar Pradesh	3	2600000
34.	SR/WOS-A/LS-202/2016 Functional Genomics of miR-2909 in Energy Metabolism	Dr Deepti Malik Department of Experimental Medicine & Biotechnology, Postgraduate Institute of Medical Education & Research Chandigarh-160012 Punjab	3	3220000
35.	SR/WOS-A/LS-212/2016 Genetic polymorphism of human leucocyte antigen (HLA) and immunomodulation of inflammatory cytokines in influenza infected population of Assam, India	Ms Mousumi Dutta Regional Medical Research Centre ICMR, NE Region, Post Box No. 105 Dibrugarh-786001 Assam	3	2030000
36.	SR/WOS-A/LS-226/2016 Investigating the role of neddylation in neuroglobin mediated hypoxic neuroprotection and implications for augmenting neuronal survival in hypoxia	Dr Kalpana Barhwal Department of Physiology All India Institute of Medical Sciences Bhubaneswar-751019 Odisha	3	1037500
37.	SR/WOS-A/LS-227/2016 Effect of melatonin on leptin signaling pathway during obesity and leptin resistant condition in hypothalamus and adipose cell lines	Ms Vennila Suriagandhi Department of Biochemistry Bharathidasan University Tiruchirappalli-620024 Tamil Nadu	3	2590000
38.	SR/WOS-A/LS-231/2016 Modulation of Growth, secondary metabolites production and genetic transformation of <i>Pueraria tuberosa</i>	Ms Bhanupriya Kanthaliya Department of Botany, University College of Science Mohan Lal Sukhadia University Udaipur-313001 Rajasthan	3	1870000

39.	SR/WOS-A/LS-234/2016 Investigation of the role of Atf1 in co-ordination of signalling pathways that regulate G2-M progression in Schizosaccharomyces pombe	Dr Protiti Ghosh Department of Biochemistry University of Calcutta Kolkata-700019 West Bengal	3	3217000
40.	SR/WOS-A/LS-244/2016 Fabrication of paclitaxel loaded calciumphosphate nanoparticles:A novel nanocomposite forbone cancer treatment	Dr Sathya Sadhasivam Department of Environmental Science Periyar University Salem-636011 Tamil Nadu	3	2460000
41.	SR/WOS-A/LS-246/2016 Studies on production of bioplastic from bacteria	Ms Tabssum Abdul Hamid Shaikh Department of Microbiology Dr. Babasaheb Ambedkar Marathwada University, Sub-campus Osmanabad-413501 Maharashtra	3	1650000
42.	SR/WOS-A/LS-252/2016 Design and development of biodegradable polymeric nanoparticles for concomitant delivery of anti cancer agents.	Ms Akansha Behl Central for Biomedical Engineering Indian Institute of Technology Delhi New Delhi-110016 Delhi	3	1600000
43.	SR/WOS-A/LS-253/2016 Isolation and molecular characterization of chicken infectious anemia virus	Dr Sreekala Mohandas Dept of Veterinary Microbiology Guru Angad Dev Veterinary and Animal Sciences University Ludhiana-141004 Punjab	3	2666000
44.	SR/WOS-A/LS-278/2016 Analysis of Stem Cell Renewal Notch1 Pathway Alterations During Development of Head and Neck Squamous Cell Carcinoma of Indian Patients	Ms Debalina Mukhaopadhyay Department of Oncogene Regulation Chittaranjan National Cancer Institute Kolkata-700026 West Bengal	3	2170000
45.	SR/WOS-A/LS-283/2016 Evaluation of GS mediated anticancer mechanisms in prostate cancer: Assessment of their candidature for developing novel cancer therapeutics	Dr Garima Jain Centre for Genetic Disorders, Faculty of Science, Banras Hindu University, Varanasi-221005 Uttar Pradesh	3	3135500
46.	SR/WOS-A/LS-287/2016 Boerhaavia diffusa (Punarnava), melatonin and phytemelatonin (Zea mays) in regulation of diabetes: A study on insulin and leptin level and associated receptor dynamics (IRS 1 & 2; Glut 1& Glut4 and OB	Dr Sweta Arora Department of Zoology Institute of Science Banaras Hindu University Varanasi-221005 Uttar Pradesh	3	2995500
47.	SR/WOS-A/LS-288/2016 Tumor targeting delivery of Functional siRNA loaded carbon nanotubes: Preparation, Characterization & In vitro evaluation	Ms Karnatam Naga Lalitha Centre for Biotechnology, Institute of Science and Technology Jawaharlal Nehru Technological University Hyderabad Hyderabad-85 Telangana	3	2290000
48.	SR/WOS-A/LS-295/2016 Comprehensive lipidome profiling in the apicomplexan parasite Toxoplasma gondii.	Ms Sindhuri Upadrasta Biochemical Sciences Division CSIR-National Chemical Laboratory Pune-411018 Maharashtra	3	1836000

49.	SR/WOS-A/LS-299/2016 Association of Vitamin B 12 metabolites and related gene polymorphisms with postpartum depression	Dr Pooja Dhiman Department of Biochemistry Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER) Puducherry-605006 Pondicherry	3	2370000
50.	SR/WOS-A/LS-302/2016 Chronic obstructive pulmonary disease – Role of alveolar type II pneumocytes and disease pathobiology - in vitro and in vivo studies	Dr Farida Khan Rajiv Gandhi Centre for Biotechnology (RGCB), Thycaud Post, Poojappura Thiruvananthapuram-695014 Kerala	3	3220000
51.	SR/WOS-A/LS-310/2016 Mechanistic investigation of small molecule-based hedgehog inhibitors	Ms Chandra Bose Department of Organic Chemistry Indian Association for the Cultivation of Science, Jadavpur Kolkata-700032 West Bengal	3	2164000
52.	SR/WOS-A/LS-314/2016 Development and characterization of drug loaded surface functionalized carbon nanotubes for the treatment of breast cancer	Ms Nidhi Jain Singhai School of Pharmaceutical Science Rajiv Gandhi Prodyogiki Vishwavidyalaya Bhopal-462036 Madhya Pradesh	3	2485000
53.	SR/WOS-A/LS-317/2016 Genotoxic effect of di-(2-ethylhexyl) phthalate on reproductive organ in mice model and its degradation by microorganism.	Dr Anjali Singh Department of Botany and Biotechnology, T.P.S College Patna-800001 Bihar	3	3220000
54.	SR/WOS-A/LS-325/2016 Oxidative stress mediated TNF α induced mitochondrial DNA damage in cardiac myocytes -Role of antioxidants in suppressing the effects of TNF α	Dr Yamini Devulapally Department of Physiology SVS Medical College Mahabubnagar-509002 Telangana	3	2700000
55.	SR/WOS-A/LS-326/2016 Evaluation of synergistic anti-cancer properties of quercetin and p53 activators (both wild and mutant p53 binders) in colorectal cancer	Ms Yasodha Lakshmi Tadakaluru Palampur Biosciences Private Limited Technology Research Park SVS Medical College Campus Mahbubnagar-509002 Telangana	3	2200000
56.	SR/WOS-A/LS-333/2016 Prevalence and severity of dental fluorosis and its correlation with dental caries, periodontal disease, water and urine fluoride levels among 14-15 year old school children in endemic fluorosis area	Ms Sripriya Nagarajan Department of Periodontics SVS Institute of Dental Sciences Mahabubnagar-509002 Telangana	3	2470000
57.	SR/WOS-A/LS-354/2016 Systematic studies on lichens of Cotigao Wildlife Sanctuary	Ms Pallavi Prashant Konge Randive Department of Botany Faculty of Life Sciences & Environment Goa University Goa-403206 Goa	3	16890000

58.	SR/WOS-A/LS-358/2016 Role of Kisspeptins during reproductive cycle of the Indian freshwater fish	Dr Neeria Aggarwal Department of Zoology University of Delhi Delhi-110007 Delhi	3	3098000
59.	SR/WOS-A/LS-361/2016 Investigation on Epigenetic modifications of Pluripotency Inducer Genes in Human Oral Cancer Stem Cells	Ms Priyanka Chakraborty Department of Life Sciences, National Institute of Technology Rourkela, Rourkela-769008 Odisha	3	2370000
60.	SR/WOS-A/LS-364/2016 Reliability of two age estimation methods – A comparative study	Ms Shylaja Sanjeevareddygari Department of Oral Pathology SVS Institute of Dental Sciences Mahabubnagar-509002 Telangana	3	2150000
61.	SR/WOS-A/LS-379/2016 Evaluation of Antiatherogenic effects of Simvastatin, ω -3 fattyacids, Caffeic acid, Berberine against Atherosclerosis induced through NF- κ B pathway in rats	Ms Sushma Panduga Department of Biochemistry S.V.S. Medical College Mahbubnagar-509002 Telangana	3	2064000
62.	SR/WOS-A/LS-386/2016 Development of Nanofiber incorporated hydrogels as 3D scaffold for skin tissue growth	Ms M Maria Leena Indian Institute of Crop Processing Technology Pudukkottai Road Thanjavur-613005 Tamil Nadu	3	2590000
63.	SR/WOS-A/LS-389/2016 Studies on sugar metabolite-induced glycation of milk proteins and the role of Indrayava (Holarrhena antidysenterica) as a complementary and alternative medicine (CAM)	Dr Jaya Bhattacharya Department of Biophysics Molecular Biology & Bioinformatics University of Calcutta, Kolkata-0 West Bengal	3	2750000
64.	SR/WOS-A/LS-391/2016 Screening of novel phytochemicals against lungs cancer from kumaun region of central Himalaya	Ms Priyanka Maiti Department of Botany Kumaun University, Nanital Almora-263601 Uttarakhand	3	1200000
65.	SR/WOS-A/LS-402/2016 Identification of shikimate kinase as a drug target against Mycobacterium tuberculosis	Ms Sapna Pandey Division of Microbiology Central Drug Research Institute Lucknow-226031 Uttar Pradesh	3	1870000
66.	SR/WOS-A/LS-407/2016 Possible prevention of thyroid problems with two herbal extracts: isolation & characterization of the active compounds	Dr Sunanda Panda Devi Ahilya University, Takshshila Campus, Khandwa Road Indore-452001 Madhya Pradesh	3	2888000
67.	SR/WOS-A/LS-409/2016 Comparative analysis of effects of fenofibrate and plant alkaloids as therapeutic agents in modulating the microvascular changes in relation to nephropathy and retinopathy	Dr Suhasini Padugupati Department of Bio-Chemistry SVS Medical College Mehbubnagar-509002 Telangana	3	2610000

68.	SR/WOS-A/LS-417/2016 Pyramiding and understanding the interaction of QTLs for deeper rooting and phosphorus uptake in Rice (<i>Oryza sativa</i> L.)	Dr Elssa Pandit Crop Improvement Division Central Rice Research Institute Bidyadharpur Cuttack-753006 Odisha	3	2948000
69.	SR/WOS-A/LS-422/2016 Exopolysaccharide (EPS) production from soil bacteria: media optimization compound characterization and its application activity	Ms Kalpana Ramaraju Department of molecular Microbiology, School of Biotechnology, Madurai Kamraj University, Madurai-625021 Tamil Nadu	3	2214000
70.	SR/WOS-A/LS-424/2016 Identification and elucidation of miRNAs modulating HIC1 in cancer stem cells of glioma	Dr Mohita Bhagat Department of Biochemistry All India Institute of Medical Sciences New Delhi-110029 Delhi	3	2880000
71.	SR/WOS-A/LS-425/2016 Macroarray based Detection of Wheat Pathogens	Dr Sangeeta Gupta Division of Plant Pathology Indian Agricultural Research Institute New Delhi-110012 Delhi	3	3000000
72.	SR/WOS-A/LS-430/2016 Formulation and Optimization of pH sensitive peroral dosage forms for chromo endoscopy of gastro intestinal tract	Ms Sarada Anepu Andhra University College of Pharmaceutical Sciences Andhra University Visakhapatnam-530003 Andhra Pradesh	3	2650000
73.	SR/WOS-A/EA-2/2016 Measurement and modeling of grassland CO ₂ flux in Kutch Region using geospatial approach	Dr Usha B Joshi Department of Botany, The Maharaja Sayajirao University of Baroda Vadodara-390002 Gujarat	3	3218000
74.	SR/WOS-A/LS-444/2016 Development of bone targeted Resveratrol loaded nanoparticles for Postmenopausal Osteoporosis	Ms Aarti Abhishek Shah Department of Pharmacology Manipal College of Pharmaceutical Sciences, Manipal University Manipal-576104 Karnataka	3	2150000
75.	SR/WOS-A/LS-456/2016 Screening and development of antimalarial drugs of herbal origin through target based drug development approach	Ms Meenakshi Kaushik Neglected Tropical Disease Regional Medical Research Centre Nehru Nagar Belagavi-590010 Karnataka	3	2370000
76.	SR/WOS-A/LS-461/2016 Acetogenins modulate ATM signalling in nicotine induced chemoresistance in pancreatic cancer	Ms P Meghana Department of PG Studies and Research in Biotechnology, Kuvempu University Shankaraghatta-577451 Karnataka	3	2370000
77.	SR/WOS-A/LS-463/2016 Study of role of Oxidative stress and Exosomes in Inflammation-associated cancer	Dr Surabhi Kirti Mishra School of Biotechnology Jawaharlal Nehru University New Delhi-110067 Delhi	3	3149000
78.	SR/WOS-A/LS-475/2016 A platform for rapid visual detection of amplified Mycobacterium tuberculosis DNA on a paper substrate for point-of-care diagnostic applications	Ms Aparna Tripathi Department of Biosciences and Bioengineering, Indian Institute of Technology Bombay Mumbai-400076 Maharashtra	3	1958000

79.	SR/WOS-A/LS-477/2016 Identification and characterization of novel genes for micronutrients content in foxtail millet through genome wide association mapping	Dr Vandana Jaiswal National Institute of Plant Genome Research (NIPGR) Arun Asaf Ali Marg Jawaharlal Nehru University Campus New Delhi-110067 Delhi	3	2995500
80.	SR/WOS-A/LS-479/2016 Development and standardization of enrichment protocol of live feed for larval rearing of giant mud crab, <i>Scylla serrata</i> (Forsskål, 1755)	Dr Elizabeth Carolin Department of Marine Biology Microbiology and Biochemistry School of Marine Sciences, Fine Arts Avenue, Cochin University of Science and Technology Cochin-682016 Kerala	3	2840000
81.	SR/WOS-A/LS-485/2016 Mechanisms by which bone proteins influence Abeta1-42 aggregation, amyloid deposition and immune response in mouse models of Alzheimer's disease	Dr Viji Vijayan Molecular Sciences Lab National Institute of Immunology Arun Asaf Ali Marg New Delhi-110067 Delhi	3	3110000
82.	SR/WOS-A/LS-516/2016 Studies on the effect of epigallocatechin and curcumin on Hsp90 mediated inflammation.	Ms Umme Hani Department of PG Studies & Research in Biotechnology & Bioinformatics, Kuvempu University, Shakaraghatta-577451 Karnataka	3	2054000
83.	SR/WOS-A/LS-523/2016 Surveillance of antimalarial drug efficacy and characterization of drug resistance associated genetic polymorphisms among <i>Plasmodium falciparum</i> and <i>Plasmodium vivax</i> in Mangalore	Ms Rakshita Maskeri Department of Community Medicine Kasturba Medical College, Mangalore Manipal University Mangalore-575001 Karnataka	3	2090000
84.	SR/WOS-A/LS-525/2016 Molecular pattern of the M2/ANXA5 haplotype as marker for infertility and thrombophilia predisposition in Indians	Dr Farah Parveen Department of Biosciences Jamia Millia Islamia New Delhi-110025 Delhi	3	2305500
85.	SR/WOS-A/LS-531/2016 Role of NUPR1 in colorectal cancer stem cells	Dr Janvie Manhas Department of Biochemistry All India Institute of Medical Sciences New Delhi-110029 Delhi	3	896000
86.	SR/WOS-A/LS-547/2016 Sulforaphane (SFN) in combination with cisplatin (CIS), a potential new therapeutic strategy for metastatic triple negative breast cancer (TNBC): Interplay of sirtuins and EMT pathway.	Ms Sonam Sinha Department of Pharmacognosy and Phytochemistry, B.V. Patel Pharmaceutical Education and Research Development (PERD) Centre Thaltej, Ahmedabad-380054 Gujarat	3	2007000
87.	SR/WOS-A/LS-549/2016 Integrated 'Omics' approach for combating Fusarium wilt and sterility mosaic disease, two most dreaded diseases of pigeonpea (<i>Cajanus cajan</i>)	Dr Lekha Thankappan Pazhamala Centre for Excellence in Genomics International Crops Research, Institute for the Semi-Arid Tropics (ICRISAT) Hyderabad-502324 Telangana	3	3020000
88.	SR/WOS-A/LS-532/2016	Dr Monica Singh Department of Human Genetics Punjabi University Patiala-147002 Punjab	3	3265500

89.	SR/WOS-A/LS-561/2016 Finding of a new RNA aptamer and mediated drug delivery method specific to prostate cancer, a pioneer cancer research approach in India	Dr Garima Shrivastava Department of Biochemical Engineering and Biotechnology, Indian Institute of Technology Delhi New Delhi-110016 Delhi	3	3155500
90.	SR/WOS-A/LS-602/2016 In-vitro proliferation and differentiation of mesenchymal stem cells on smart 3D scaffold for bone graft	Dr Manjushree Madhukar Bahir National Centre for Cell Science Savitribai Phule Pune University Campus Ganeshkhind Pune-411007 Maharashtra	3	2830000
91.	SR/WOS-A/LS-603/2016 Development of an electrochemical biosensor for detection of breast cancer	Dr Monika Raina Department of Applied Chemistry Cochin University of Science and Technology Kochi-682022 Kerala	3	2780500
92.	SR/WOS-A/LS-604/2016 Molecular Phylogeny, Biogeography and Revision of the Gondwanan trap-door spider families Idiopidae (Araneae, Mygalomorphae)	Dr Manju Siliwal Biology Department of Animal Ecology and Conservation Biology Wildlife Institute of India Dehradun-248001 Uttarakhand	3	3100000
93.	SR/WOS-A/LS-605/2016 Detection of Circulating tumor cells in peripheral blood using Multigene Real Time Polymerase Chain Reaction (RT-PCR) assay among Carcinoma lung patients: An Indian hospital based study	Dr Sweety Gupta Department of Radiotherapy 5th Floor College Building All India Institute of Medical Sciences Virbhadra Marg, Rishikesh-249203 Uttarakhand	3	1037500
94.	SR/WOS-A/LS-610/2016 Development of resistant starch wheat using genome editing technology	Dr Pooja Manchanda Department of Plant Breeding & Genetics Punjab Agricultural University Ludhiana-141001 Punjab	3	2870000
95.	SR/WOS-A/LS-616/2016 Identification of Quorum sensing system in Mycobacterium tuberculosis	Dr Krishnaveni Mohareer Department of Biochemistry School of Life Sciences, University of Hyderabad, Gachibowli Hyderabad-500046 Telangana	3	3215500
96.	SR/WOS-A/LS-621/2016 Interaction of stem cell and effect of stem cell conditioned media on breast cancer cells- role of tumor microenvironment and the extra-cellular tumor matrix	Ms Ragima Nadesh Amrita Centre for Nanosciences & Molecular Medicine (ACNSMM) Amrita Vishwa Vidhyapeetham Amrita Institute of Medical Sciences & Research Centre (AIMS) Kochi-682041 Kerala	3	2155200
97.	SR/WOS-A/LS-630/2016 Development of homozygous lines in Stevia rebaudiana for their genetic improvement by androgenic double haploid generation and concomitant molecular, biochemical and pharmacological characterization.	Dr Sweta Sharma KET's Scientific Research Centre V.G. Vaze College Mithagar Road, Mulund Mumbai-400081 Maharashtra	3	1048500

98.	SR/WOS-A/LS-631/2016 To elucidate the role of T Helper 17 (Th17) cells in pathogenesis of post menopausal osteoporosis	Ms Hetal Bhavesh Bhadricha National Institute for Research in Reproductive Health (ICMR), Genetic Research Centre, National Centre for Primate Breeding and Research Mumbai-400012 Maharastra	1	2080000
99.	SR/WOS-A/LS-633/2016 To study the genetic polymorphism of PCSK9 and their expression at molecular levels in patients with coronary artery disease	Dr Kamna Srivastava Dr. B.R. Ambedkar Centre for Biomedical Research, University of Delhi New Delhi-110007 Delhi	3	3050000
100.	SR/WOS-A/LS-634/2016 Smart dressing based on collagen exhibiting antibacterial, anti-inflammatory, and anti collagenase activity	Dr R Sripriya Department of Advanced Zoology & Biotechnology, Guru Nanak College Chennai-600042 Tamil Nadu	3	2802000
101.	SR/WOS-A/LS-635/2016 Effect of non-invasive vagus nerve stimulation in oxidative stress and freezing of gait in parkinson's disease patients	Ms Banashree Mondal Department of Neurology Institute of Neurosciences Kolkata-700017 West Bengal	3	1809000
102.	SR/WOS-A/LS-636/2016 Screening of isochorismate synthase (ICS) alleles in <i>Cassia angustifolia</i> Vahl. by TILLING	Dr Soni Gupta Genetics & Plant Breeding Division CSIR-Central Institute of Medicinal and Aromatic Plants Lucknow-226015 Uttar Pradesh	3	2830000
103.	SR/WOS-A/LS-639/2016 Evaluation of a combinatorial approach using Ormeloxifene, a novel selective estrogen receptor modulator (SERM) with other drugs in a 3D breast cancer model	Dr S Lakshmi Medical Devices, Hindustan Lifecare Limited, HLL Corporate R & D Centre Akkulam Thiruvananthapuram-695017 Kerala	3	2953570
104.	SR/WOS-A/LS-641/2016 Characterization of coleopteran specific α -amylase inhibitors from Amaranthaceae members: Potential application in insect pest management	Ms Ashwini Satyajit Rane Division of Biochemical Science National Chemical Laboratory Pune-411008 Maharastra	3	1974000
105.	SR/WOS-A/LS-643/2016 Genomic characterization and Synergy Testing of various antibiotic combinations by Checkerboard, Time-Kill and E-test based Methods for carbapenem resistant gram negative bacteria isolated from	Ms Sreeja Vamsi Kogila Department of Microbiology SVS Medical College Ynugonda Mahboob Nagar-509002 Telangana	3	2194000
106.	SR/WOS-A/LS-644/2016 Quantitative profiling of buffalo milk fat globule membrane, a promising nutraceuticals for infant formula milk	Dr Aasma Turan Department of Animal Biotechnology Center, National Dairy Research Institute Karnal-132001 Haryana	3	3215500

107.	SR/WOS-A/LS-647/2016 Design, development and evaluation of endogenous ligand conjugated nanostructure lipid carrier for the management of Alzheimer's disease.	Ms Tripti Halder Department of Pharmacognosy Institute of Pharmacy, Nirma University, Ahemdabad-382481 Gujarat	3	2425000
108.	SR/WOS-A/LS-654/2016 Non HLA genes associated with allogeneic Hematopoietic Stem Cell Transplantation	Dr Selma Zenia DSilva HLA and Immunogenetics Lab Department of Transfusion Medicine Tata Memorial Centre (Tata Memorial Hospital), Dr Ernest Borges Marg, Parel Mumbai-400102 Maharastra	3	3170500
109.	SR/WOS-A/LS-656/2016 Exploring the possible role of estradiol and estrogen receptors in the pathomechanism of aneurysmal subarachnoid hemorrhage	Ms S R Shruthi Department of Neurochemistry National Institute of Health & Neuro Sciences (NIMHANS) Bengaluru-560029 Karnataka	3	1860000
110.	SR/WOS-A/LS-657/2016 Differential expression of Human Leukocyte Antigen (HLA) promoter regions and class II Activator variations (CIITA) in T2DM patients	Dr Rathika Chinniah Department of Immunology School of Biological Sciences Madurai Kamaraj University Madurai-625021 TamilNadu	3	3010000
111.	SR/WOS-A/LS-659/2016 Identifying the potential new role of RNA-binding motif 3 protein (RBM3) on cytoskeleton and cancer progression	Dr Sayantani Roy School of Bioscience, Sir J.C. Bose Laboratory Complex, Indian Institute of Technology Kharagpur Kharagpur-721302 West Bengal	3	3054000
112.	SR/WOS-A/LS-660/2016 Identification of the mechanisms governing cold stress tolerance in somatic and gametic tissues of chickpea (<i>Cicer arietinum</i> L.)	Ms Annu Verma Department of Agricultural Biotechnology, CSK Himachal Pradesh Krishi Vishvavidyalaya Palampur-176062 Himachal Pradesh	3	1750000
113.	SR/WOS-A/LS-661/2016 Effect of food processes on phytase activity and bioavailability of iron and zinc from developed wheat varieties	Dr Garima Srivastava Department of Genetics and Plant Breeding, Institute of Agricultural Sciences, BHU Varanasi-221004 Uttra Pradesh	3	2995500
114.	SR/WOS-A/LS-662/2016 Influence of genetic interactions on Morbidity and Mortality pattern of Sickle-thalassemas(α and β): at Marathwada Region of Maharastra, India	Dr Preetinanda Manaswini Dash Deogiri College Aurangabad Aurangabad-431005 Maharastra	3	2775500
115.	SR/WOS-A/LS-669/2016 Role of miRNAs in fetal growth restriction associated dysregulation of human placental angiogenesis	Ms Prachi Kochhar Division of Nutrition St. John's Medical College Bangalore-560034 Karnataka	3	2180000
116.	SR/WOS-A/LS-672/2016 Functional characterization of a lipid transporter gene, LEM3 (ligand-effect modulator3) in human pathogenic fungus <i>Candida albicans</i> .	Ms Pranjali Agarwal School of Life Scieeces Jawaharlal Nehru University New Delhi-110067 Delhi	3	1860000

117.	SR/WOS-A/LS-673/2016 Transcriptome profiling of spermatozoa for development of biomarker for selection of fertile bucks	Dr Sonia Saraswat ICAR-Central Institute for Research on Goats, Makhdoom PO Farah Mathura-281122 Uttar Pradesh	3	2995500
118.	SR/WOS-A/LS-684/2016 Assessment of partakers in tumor micro-environment for prognosis of glioma using liquid biopsy: a unique clinical approach	Ms Richa Shrivastava Department of Research, Bhopal Memorial Hospital & Research Centre Bhopal-462038 Madhya Pradesh	3	2155200
119.	SR/WOS-A/LS-686/2016 A molecular pharmacology approach towards designing combination therapy for colon cancer metastasis	Dr Dipanjana Ghosh Biological Sciences, Indian Institute of Science Education and Research (IISER) Bhopal-462066 Madhya Pradesh	3	2680000
120.	SR/WOS-A/LS-687/2016 Mapping of QTLs conferring resistance to peanut bud necrosis disease (PBNB) in groundnut	Ms Mital Dhirajlal Jasani Genetics & Cytogenetics, ICAR-Directorate of Groundnut Research Junagadh-362001 Gujarat	3	2155200
121.	SR/WOS-A/LS-690/2016 Optimization of doubled haploids development in elite F1 maize hybrids (Zea mays L.)	Dr Parveen Lata Batra Centre for Plant Biotechnology CCS Haryana Agricultural University Hisar-125004 Haryana	3	2473000
122.	SR/WOS-A/LS-691/2016 Design and development of intranasal formulations with extended release and improved bioavailability for neurological conditions	Mr Supriya Siddharth Kharkar H.K. College of Pharmacy, Oshiwara, Jogeshwari (West) Mumbai-400102 Maharashtra	3	2140000
123.	SR/WOS-A/LS-693/2016 mRNA expression pattern and protein activity of several ion transporters in some fishes inhabiting different saline environments of Indian Sundarbans	Dr Atreyee Chaudhuri Aquatic Bioresource Research Laboratory, Ecology and Fisheries Division, Department of Zoology, University of Calcutta, 35 Ballygunge Kolkata-700019 West Bengal	3	3050500
124.	SR/WOS-A/LS-700/2016 Enhanced extraction of ferulic acid from agricultural wastes and its biotransformation to vanillin	Dr Abha Sharma Department of Microbiology Indian Institute of Agricultural Research Institute, Pusa New Delhi-110012 Delhi	3	2836000
125.	SR/WOS-A/LS-701/2016 Identification and characterization of host proteins interacting with Japanese Encephalitis Virus Non-Structural Protein 4A	Dr Anshu Agarwal Vaccine & Infectious Disease Research Centre, Translational Health Science & Technology Institute NCR Biotech Science Cluster, Faridabad-121001 Haryana	3	2885500
126.	SR/WOS-A/LS-703/2016 Role of dSTIM in postembryonic neuronal development of Drosophila melanogaster	Ms Nandashree Kasturacharya National Centre for Biological Sciences Tata Institute of Fundamental Research GKVK, Bellary Road Bangalore-560065 Karnataka	3	3158400

127.	SR/WOS-A/LS-706/2016 Naturally occurring small molecules in transthyretin-induced familial amyloid cardiomyopathy	Dr Sheeza Khan Dr. B.R. Ambedkar Centre for Biomedical Research (ACBR) University of Delhi Nosth Campus Delhi-110007 Delhi	3	1585000
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Earth and Atmospheric Sciences (EA)

Sl. No.	Reference No. & Project Title	PIs Name & Address	Duration (Years)	Total Cost (Rs)
1.	SR/WOS-A/EA-25/2016 Design and development of OGC compliant web services for disaster management on GIS platform	Ms Parimita Mohanty Sophitorium Institute of Technology & Life Skills, Jatni Khurda-752050 Orissa	3	2075000
2.	SR/WOS-A/EA-31/2016 The Eocene-Oligocene boundary problem in Imphal Valley, Manipur (Indo-Myanmar Ranges)	Dr Salam Ranjeeta Devi Devi, Department of Earth Sciences, Manipur University Imphal-795003 Manipur	3	2639000
3.	SR/WOS-A/EA-32/2016 Tectono-thermal evolution of the gneissic rocks around Bero, Saltora, Santuri West Bengal, Eastern India: implication for tectonics of the North Purulia Shear Zone	Ms Sayantika Nath Department of Geology, Presidency University, Kolkata-700073 West Bengal	3	1803000
4.	SR/WOS-A/EA-33/2016 Palaeobiology and Palaeoenvironmental Reconstruction of the Eastern Krol Belt (Lesser Himalaya), Himachal Pradesh	Dr Rajita Shukla Wadia Institute of Himalayan Geology 33, G.M.S. Road Dehradun-248001 Uttarakhand	3	2580000
5.	SR/WOS-A/EA-21/2016 A seismotectonic study of the Central Indian Ridge and the diffuse boundary zone in the northern Indian Ocean	Ms Ronia Andrews Centre for Earth Science Indian Institute of Science Bangalore Bengaluru-560012 Karnataka	3	1640000
6.	SR/WOS-A/EA-39/2016 Reconstruction of late Holocene monsoon history from the estuarine environs of south Gujarat (Purna, Ambica, Auranga), western India: A multi-proxy approach.	Dr Manudip Kaur Department of Earth Sciences, Indian Institute of Technology Bombay, Powai Mumbai-400067 Maharashtra	3	2795000
7.	SR/WOS-A/EA-40/2016 Tectono-stratigraphic Analysis of the Proterozoic exposures of Dhar Forest Inlier, Madhya Pradesh: An insight into the Proterozoic tectonic events within the Central Indian Tectonic Zone	Dr Shilpa Sukumar Patil Pillai Department of Geology Savitribai Phule Pune University Pune-411052 Maharashtra	3	2630000
8.	SR/WOS-A/EA-42/2016 Morphotectonics of the Choral, Kanar and Chhota Tawa rivers and its implications on the Late Quaternary evolution of the central Narmada basin	Dr Gauri Achalla Savitribai Phule Pune University Savitribai Phule Pune University Pune-411052 Maharashtra	3	2630000
9.	SR/WOS-A/EA-44/2016 Galcio-chemiacl and isotopic studies of dokriani nad gangotri galcier central hiamlay ;implication of solute acquisition and moisture source	Ms Shipika Sundriyal National Institute of Hydrology Roorkee-247667 Uttarakhand	3	1646000

Engineering & Technology (ET)

Sl. No.	Reference No. & Project Title	PIs Name & Address	Duration (Years)	Total Cost (Rs)
1.	SR/WOS-A/ET-6/2016 To study the impact forces of composite textiles	Ms Sweety Ashish Agrawal Department of Textile Engineering, Faculty of Technology and Engineering The M.S. University Baroda Vadodara-390002 Gujarat	3	2700000
2.	SR/WOS-A/ET-7/2016 Ultra-deep desulfurization of transportation fuels by sulfur-selective adsorption for pollution prevention at the source	Ms Maya Balasaheb Chemical Engineering & Process Development Division National Chemical Laboratory Pune-411008 Maharashtra	3	1978000
3.	SR/WOS-A/ET-22/2016 Early diagnosis of pathologies in retinal image	Ms M Tamil Nidhi Department of ECE, College of Engineering, Guindy, Anna University Chennai-600025 Tamil Nadu	3	1765000
4.	SR/WOS-A/ET-24/2016 Multifunctional polymer/ mesoporous bioactive glass composite nanoparticles as a targeted drug delivery platform for bone	Ms Lakshmi M Mukundan Rubber Technology Centre, Indian Institute of Technology Kharagpur Kharagpur-721302 West Bengal	3	2150000
5.	SR/WOS-A/ET-29/2016 Hydrogen assisted corrosion and fracture in pipeline steel	Dr Swapna Dey Material Science & Technology Division, CSIR-National Metallurgical Laboratory Jamshedpur-831007 Jharkhand	3	2660000
6.	SR/WOS-A/ET-30/2016 A framework for detection & remission of security attacks in software defined network	Ms Drashti Dave Department of Computer Science, Central University of Rajasthan, Kishangarh, Ajmer-305817 Rajasthan	2	1195000
7.	SR/WOS-A/ET-34/2016 Nanostructured CZTSSe thin film solar cells using Nanoimprint Lithography	Ms Simya Olavil Karayi Nanotechnology Research Innovation and Incubation Centre, PSG Institute of Advanced Studies, Peelamedu Coimbatore-641004 TN	3	2650000
8.	SR/WOS-A/ET-40/2016 Reduced graphene oxide (RGO) - Sulfonated polybenzimidazole (S-PBI) nano-composite for fuel cell electrolyte and supercapacitor application	Ms Priyanka Ghosh Centre for Nanoscience and Technology Anna University Chennai-600025 TN	3	2660000
9.	SR/WOS-A/ET-42/2016 Development and characterization of ferroelectric ceramic-polymer composites for embedded capacitor applications	Ms CV Lakshmi Variar Centre for Materials of the Electronics Technology, Athani PO, Thrissur-680581 Kerala	3	22,35,000/-

10.	SR/WOS-A/ET-44/2016 Biodegradable magnesium alloys with tailored degradation for bone replacement applications	Ms Anuradha Jana Bioceramics and Coatings Division, Central Glass and Ceramics Research Institute Kolkata-700032 West Bengal	3	1985000
11.	SR/WOS-A/ET-56/2016 Recovery of valuable resources from distillery wastewater by forward osmosis (FO)	Ms Nimisha Singh The Energy and Resources Institute (TERI), Darbari Seth Block, IHC Complex, New Delhi-110003 Delhi	3	2008000
12.	SR/WOS-A/ET-57/2016 Analysis, Design and control of Switched Reluctance Motor for nonlinear and industrial applications	Ms Anusha Kakaraparthi Department of Electrical & Electronics Engineering, PACE Institute of Technology & Science, Near Vallurama temple Ongole-523274 AP	3	2275000
13.	SR/WOS-A/ET-61/2016 Fabrication of nanobiosensor for rapid, low cost and point of care detection of Alpha fetoprotein	Ms Gayathri Gangadharan Department of Physics, Sri Sivasubramaniya Nadar College of Engineering Kalavakkam-603110 Tamil Nadu	3	2600000
14.	SR/WOS-A/ET-66/2016 Biodegradable superabsorbent material for application in personal disposable hygiene products	Ms Preethi Ramadoss Crystal Growth Centre, Anna University, Chennai-600025 Tamil Nadu	3	2375000
15.	SR/WOS-A/ET-69/2016 Speaker separation in multi-speaker environment	Ms R Hemavathi Department of Electronics and Communication, Siddaganga Institute of Technology, B.H. Road, Tumkur Tumkur-572103 Karnataka	3	1775000
16.	SR/WOS-A/ET-70/2016 Design and development of controller for smart micro-grid under unbalanced conditions	Ms Sheeba Babu Department of Electrical & Electronics Engineering, PSG College of Technology Coimbatore-641004 Tamil Nadu	3	2290000
17.	SR/WOS-A/ET-82/2016 Design and implementation of Efficient Millimeter wave transceiver architecture for 5G cellular systems	Ms Pournamy Sukumaran Amrtia School of Engineering Amrita Vishwa Vidyapeetham Bangalore-560035 Karnataka	2	2226500
18.	SR/WOS-A/ET-83/2016 Self-powered wearable ECG Patch for IoT Healthcare	Ms V Priya Department of Electrical Engineering, Indian Institute of Technology Hyderabad Hyderabad-502285 Telangana	3	2044000
19.	SR/WOS-A/ET-89/2016 Optimizing the low power alternating field frequency to minimize the polarization/fouling in membrane filtration of whey proteins	Ms Kalpana Biswas Department of Chemical Engineering University of Calcutta Kolkata-700009 West Bengal	3	2335000

20.	SR/WOS-A/ET-94/2016 Design and analysis of reconfigurable mimo antenna with ultra wideband for cognitive radio applications	Ms Vijetha Tummala Centre for Research & Development, MLR Institute of Technology, Dingdiga, Quthbullapur Mandal Hyderabad-43 Telangana	3	2420000
21.	SR/WOS-A/ET-96/2016 Investigations on Hybrid Optical Amplifiers for Wavelength Division Multiplexed systems	Ms Ajaybeer Kaur Department of Electronics & Communication Engineering, Punjabi University, Patiyala-147001 Punjab	3	2665500
22.	SR/WOS-A/ET-97/2016 Estimation and Prediction of Cyber Threats using Bayesian Graph	Ms Gemini George Indian Institute of Information Technology and Management-Kerala, Techno Park Campus, Trivandrum-695581 Kerala	3	1760000
23.	SR/WOS-A/ET-101/2016 New passive control system for seismic protection of structures	Ms Harshada Sharma Department of Civil Engineering Indian Institute of Technology Delhi New Delhi-110016 Delhi	3	1990000
24.	SR/WOS-A/ET-104/2016 Flexible Carbon nanotube based strain gauge sensors for Biomedical application	Ms Chanamolu Swathi Department of Instrument Technology, Andhra University College of Engineering Visakhapatnam-530003 Andhra Pradesh	3	2290000
25.	SR/WOS-A/ET-110/2016 Voice call transfer service between Wi-Fi enabled Android Smartphone and Tablets without using internet	Ms Durga Sowjanya Kolluru, MLR Institute of Technology, Laxman Reddy Avenue, Dingdiga Quthbullapur (M), Hyderabad-500043, Telangana	3	2165000
26.	SR/WOS-A/ET-111/2016 Development of MEMS based wearable sensors for early stage identification of Parkinson's disease	Ms Preeti Mallela, Department of ECE, K. L. University, Green Fields, Vaddeswaram-522502, AP	3	2660000
27.	SR/WOS-A/ET-119/2016 Distributed Data Deduplication Technique for Efficient Cloud Storage System	Ms. Ravneet Kaur, Department of Computer Science & Engineering, Thapar University, Patiala-147004, Punjab	3	2480000
28.	SR/WOS-A/ET-125/2016 Modelling and control of artificial arm	Ms. Manju Vijayakumar Sarojam, Department of Electrical & Electronics Engineering, Anna University, Chennai-600025, TN	3	2343900
29.	SR/WOS-A/ET-129/2016 Exploration of high performance polymers and nano-fillers to develop futuristic adhesives for joining metals	Dr. Jaspreet Kaur, Industrial Tribology Machine Dynamics and Maintenance Engineering Centre (ITMMEC), Indian Institute of Technology Delhi, New Delhi-110016 Delhi	3	3040000

30.	SR/WOS-A/ET-131/2016 Life assessment of alloy steel casting with pre-existing defect	Ms Madhulika Sharma, Material Science and Technology Division, CSIR-National Metallurgical Laboratory, Burmamines, Jamshedpur-831007 Jharkhand	3	1566600
31.	SR/WOS-A/ET-139/2016 Wind, solar and hybrid power forecasting through wavelet ANFIS technique	Ms. Nandana M Jyothi, Department of Electrical and Electronics Engineering, ANU College of Engineering and Technology, Acharya Nagarjuna University, Nagarjuna Nagar, Guntur Dist.-522510, AP	3	2270000
32.	SR/WOS-A/ET-143/2016 Methods for analysis and improvement of branch prediction policies in modern architectures	Ms. Moumita Das, Advanced Computing and Microelectronics Unit, Indian Statistical Institute, 203, Barrackpore Trunk Road, Kolkata-700108, WB	3	1765000
33.	SR/WOS-A/ET-145/2016 Synergy Analysis of Remote sensing modalities for environmental application	Ms. Srutiparna Neogi, Machine Intelligence Unit, Indian Statistical Institute, Kolkata-700108, WB	3	2275000
34.	SR/WOS-A/ET-151/2016 Model for port based sustainable containerised traffic operation in India	Ms. Vidya G Mohan, Department of Architecture, National Institute of Technology, Calicut-673601, Kerala	3	2110000
35.	SR/WOS-A/ET-164/2016 Design and performance evaluation of 2D materials in MOS devices for low power VLSI applications	Dr Subhra Dhar, ABV-Indian Institute of Information Technology & Management, Gwalior-474015, MP	3	3006500
36.	SR/WOS-A/ET-168/2016 Development of high melt strength poly (Lactic Acid) ionomers	Dr. Seena Joseph, Complex Fluids & Polymer Engineering Group, National Chemical Laboratory, Pune-411008, Maharashtra	3	2802000
37.	SR/WOS-A/ET-173/2016 Eyepad-a dynamic braille e- book reader with OCR	Ms Kavitha D Ravindran Department of Computer Science, Avinashilingam Institute for Home Science and Higher Education for Women Coimbatore-641043 Tamil Nadu	3	2280000
38.	SR/WOS-A/ET-175/2016 Microbial pretreatment of paper and pulp industry wastewater to improve electricity generation in microbial fuel cell operating with algal biocathode.	Ms E Elakkiya Department of Biotechnology PSG College of Technology Peelamedu Coimbatore-641004 Tamil Nadu	3	2285000
39.	SR/WOS-A/ET-176/2016 Performance evaluation of heat exchanger using modified twisted tape	Ms Kalpana Gupta Department of Mechanical Engineering, Delhi Technological University, Shabad Daulatpur, Bawana Road Delhi-42 Delhi	2	1362000