

ODISHA STATE HIGHER EDUCATION COUNCIL

2nd floor, PustakBhawan, A-11 Suka Vihar, Bhubaneswar-751022

E-mail ID:oshec.hed@gmail.com, Phone No: 0674-2545484

No 18 /190/OSHEC

Dated- 09/01/2024

To

The Selected Candidates
For MRIP Extramural Funding (List Enclosed)

Sub: - Final list of applicants recommended for Extra-mural funding for the year 2023-24

Madam/Sir,

The selection of applicants for Mukhyamantri Research Innovation (MRI) for Extramural Research Funding for Faculty working in state Public Universities and Colleges, coming under jurisdiction of Higher Education Department, has been finalized and approved by Government of Odisha. The list is available in OSHEC website: www.oshec.odisha.gov.in

Yours Sincerely

Asfa
09/01/2024
Finance Officer, OSHEC

Memo No 19

Date: 09/01/2024

Copy submitted to the P.S to the Hon'ble Minister, Higher Education-cum-Chairperson, OSHEC for favour of kind knowledge of the Hon'ble Minister, Higher Education-cum-Chairperson, OSHEC .

Asfa
09/01/2024
Finance Officer, OSHEC

Memo No 20

Date: 09/01/2024

Copy submitted to the P.S to the Commissioner-cum-Secretary to Government, Higher Education Department for favour of kind knowledge of the . Commissioner-cum-Secretary, HED

Asfa
09/01/2024
Finance Officer, OSHEC

Memo No 21

Date: 09/01/2024

Copy along with copy of final list of applicants recommended for Extra-mural funding for the year 2023-24 submitted to the Joint-Secretary to Govt. (Field Establishment), Higher Education Department for favour of information. The final list of applicants may please be uploaded in the website of Higher Education Department.

Asfa
09/01/2024
Finance Officer, OSHEC

**LIST OF APPLICANTS RECOMMENDED FOR MUKHYAMANTRI RESEARCH INNOVATION (MRI) FOR
EXTRAMURAL RESEARCH FUNDING FOR FACULTY WORKING IN STATE PUBLIC UNIVERSITIES
AND COLLEGES, COMING UNDER JURISDICTION OF HIGHER EDUCATION DEPARTMENT**

(MRIP-2023)

Sl. No.	Index No	Name of the Applicant with Afliation	Title of the Project	Recommended Budget
1.	23EM/AN/01	Dr Monali Goswami Dept. of Anthropology and Tribal Studies, Maharaja Sriram Chandra Bhanjadeo University	Community based Assessment of Metabolic Syndrome: A Study among the PVTGs of Mayurbhanj district, Odisha.	Rs. 8,76,000/-
2.	23EM/BT/04	Prof. Jogeswar Panigrahi PG Department of Biotechnology, Berhampur University, Bhanja Bihar-760007	Genome wide exploration, characterization and expression of candidate genes putatively associated with Zinc (Zn) homeostasis and seed Zn content in Pigeonpea [<i>Cajanus cajan</i> (L.) Millsp.)	Rs. 9,76,000/-
3.	23EM/BO/08	Dr. Swasti Swagatika Swain Asst. Professor in Botany, JKBK Govt. College, Cuttack	<i>In vitro</i> Production of Piperine from shoot and hairy root culture of <i>Piper longum</i> : an endangered medicinal plant in Odisha.”	Rs. 9,55,000/-
4.	23EM/CH/11	Dr. Satyanarayan Sahoo P. G. Department of Chemistry, Berhampur University	Exploring the amalgamation of haloarene, triazole, amide bond, and biomolecules for the synthesis of multivalent scaffolds with targeted applications	Rs. 9,50,000/-
5.	23EM/CH/12	Dr. Bishnupad Mohanty Assistant Professor, Dept. of Chemistry Fakir Mohan Autonomous College, Balasore	Development of porous Nickel Iron bi-metallic oxides nanoparticles for Electrochemical Hydrogen Evolution Reactions (HER)	Rs. 9,55,000/-

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09/07/2024

6.	23EM/CH/13	Dr. Swagatika Sahu Department of Chemistry MPC Autonomous College Takhatpur, Baripada	Fabrication of Luminescent Carbon Dots towards Multimode Detection of Anticancer Drugs	Rs.9,10,000/-
7.	23EM/CH/14	Dr. Arjun Behera Dept. of Chemistry Govt. College, Sundargarh	Research on Carbon Nanomaterials Supported Metal/Metal Oxides Hybrid Catalysts and Study of Their Catalytic Activities	Rs. 6,10,000/-
8.	23EM/CH/15	Dr. Braja Narayan Patra P.G.Depart. of Chemistry, Utkal University, Vani Vihar, Bhubaneswar	Water Remediation by using modified Polyaniline	Rs. 9,50,000/-
9.	23EM/CH/16	Dr. Barada Prasanna Dash Department of Chemistry, Rajdhani College, Baramunda, Bhubaneswar	Carborane- appended fluorine carbazol-based conjugated organic materials for optoelectronic applications	Rs. 9,40,000/-
10.	23EM/CH/20	Dr. Niladri Bihari Debata Department of Chemistry, Dhenkanal Autonomous College, Dhenkanal	Heterometallic compounds with flexible hexadentate based ligands and its applications	Rs. 9,70,000/-
11.	23EM/CH/24	Dr. Sridhar Sanyasi PG Dept. of Chemistry, Dharanidhar University	Designing natural biopolymers based hydrogels for efficient removal heavy metal from water: An assessment of water quality and its remediation in the mining areas of Keonjhar district.	Rs. 8,36,000/-

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12.	23EM/CH/29	Dr. Lipipuspa Sahoo Department of Chemistry, Shailabala Women's (Auto.) College, Cuttack	Development of Ph Universal earth-abundant functional electro catalysts for water splitting reactions	Rs. 9,94,000/-
13.	23EM/CH/31	Dr Alekha Kumar Sutar Associate Professor and Head School of Chemistry, Gangadhar Meher University	Schiff Base Transition Metal Complexes for the Chemical Coupling of CO ₂ and Epoxides	Rs. 9,70,000/-
14.	23EM/CH/33	Dr. Subrat Kumar Barik Department of Chemistry, Bhadrak Autonomous College, Bhadrak	Development of Atomically Precise Cu(0) and Cu(I)-polyhydrido Nanoclusters for their Utilizations in Catalysis and CO ₂ Reduction	Rs. 9,70,000/-
15.	23EM/CH/34	Dr. Laxmi Narayan Nanda Department of Chemistry, Govt (Auto) College, Angul	Sequential hypervalent iodine and iodine catalysed synthesis of spiro-indolinone and its functionalization	Rs. 9,96,000/-
16.	23EM/CH/37	Dr. Suraj Kumar Panigrahi Department of Chemistry SBR Govt. Women's College, Berhampur	Fiber-optic spectro-fluoro meter and multi parametric data analysis	Rs. 10,00,000
17.	23EM/CH/39	Dr. Gayatree Barik Assistant Professor (Stage-I) Dept. of Chemistry S.C.S. (A) College	2D Janus MXH (M=Transition Metal and X = Chalcogen) Monolayers for Lithium-Ion Battery Applications	Rs. 9,94,000/-
18.	23EM/CO/45	Dr. Maheswar Sethi P.G. Department of Commerce, Berhampur University, Bhanja Bihar, Odisha	Assessing the Impact of Financial Inclusion on Financial Resilience of Marine Fishermen : A case study of Odisha	Rs. 6,80,000/-

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19.	23EM/CO/48	Dr. B.P. Bijay Sankar Jatni College Jatni, Khurda- 752050, Odisha	Designing a Model approach for improving Employability of Youth through Skill Development, A comparative study of Rural and Urban areas	Rs. 6,30,000/-
20.	23EM/CO/49	Dr. Pradip Kumar Pradhan P. G. Dept. of Commerce, Rajendra University Balangir	Value Chain Financing to agriculture with special reference to the finger millet and cotton farming in Odisha	Rs. 5,34,000/-
21.	23EM/CS/53	Dr. Debabala Swain Rama Devi Women's University, Bhoi Nagar, Bhubaneswar-751022	An Automated Framework for Digital Image Forensics	Rs. 9,91,000/-
22.	23EM/EC/58	Dr. Biplab Kumar Guru Assistant Professor, Department of Economics, RDWU	The impact of Climate Change on Food Security and Farmers' Adaptation Strategies	Rs. 5,86,000/-
23.	23EM/EC/63	Dr. Anjali Dash P.G. Dept. of Economics, Panchayat College Bargarh, Odisha-768028	Exploration of Nutritional Status of Children among Tribal Communities in Odisha: A District Level Comparative study	Rs. 6,76,000/-
24.	23EM/EC/65	Dr. Sibanarayan Mishra Pathani Samanta College, Khandapada, Nayagarh	Challenges and opportunity of supply chain management and post-harvest losses in vegetable marketing Economics	Rs. 6,16,000/-
25.	23EM/ED/67	Dr. Jagannath Kunar Asst. Professor, Dept. of B.Ed., DDU, Keonjhar	Effectiveness of Culturally Responsive Pedagogical Practices on learning achievement and emotional intelligence of Secondary School science students.	Rs. 6,90,000/-

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26.	23EM/ED/72	Dr. Partha Sarathi Mallick School of Education, GM University, Sambalpur	Foundational Literacy and Numeracy Crisis in Primary Education: An Empirical Study on schools of Koraput District of Odisha	Rs. 6,15,000/-
27.	23EM/EL/73	Dr. Prabira Kumar Sethy Dept. of Electronics, SUIIT, Sambalpur University, Burla	Identification of Diseases and Mineral Deficiencies of Rice Plant based on machine learning approach in the natural environment	Rs. 7,96,000/-
28.	23EM/EV/79	Dr. Santosh Kumar Beja Department of Environmental Studies Berhampur University, Bhanja Bihar, Berhampur	Characterisation of Southern Odisha coastal aquifer using major ions, trace elements and stable oxygen isotope of groundwater	Rs. 9,00,000/-
29.	23EM/EV/80	Dr. Iswar Baitharu PG Department of Environmental Sciences, Sambalpur University, Jyoti Vihar, Burla	Epidemiological assessment of Chronic Kidney Disease, and its associated causes in Bargarh district, Odisha.	Rs. 9,50,000/-
30.	23EM/GL/85	Dr. Prasanta Kumar Mishra Department of Geology, Dharanidhar University, Keonjhar, Odisha	Petrographic studies of Banded Iron Formations of Bastar Craton: Constraints on the evaluation of seawater oxygenation conditions	Rs. 9,66,000/-
31.	23EM/GL/87	Dr. Prabhu Prasad Das Dept. of Geology , MSCB University, Keonjhar Campus	Development of a ISRO satellite based normalized algorithm for the management and monitoring of the Transition Zone of Similipal Biosphere Reserve	Rs. 10,00,000/-

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32.	23EM/HI/90	Dr. Kaibalya Charan Pati Lecturer in History, KBDVAV College, NirakarPur, Khordha	BHUBANESWAR (From 1948 to Present) An Urban History of Odisha's Ancient most Capital	Rs. 6,90,000/-
33.	23EM/HS/92	Dr Sarojini Padhan Lecturer in Home Science AES College, Tarbha Dist-Subarnapur	Impact of dietary education intervention on nutritional knowledge, dietary behavior and health status of Kutia kondh tribal adolescent girls: A study of Kalahandi district, Odisha	Rs. 6,96,000/-
34.	23EM/LS/93	Dr. Saroj Kumar Das PG Department of Life Sciences, Sri Krushna Chandra Gajapati (Autonomous) College, Paralakhemundi	Understanding the enigma of interconnection between acetyl tributyl citrate exposure and precocious development of neurodegenerative phenotypes in zebrafish model	Rs. 9,90,000/-
35.	23EM/MT/97	Dr. Smita Tapaswini Assistant Professor (I) PG Department of Mathematics Government Autonomous College Angul	Numerical Solution of Fuzzy Fractional Differential Equations and its Applications	Rs. 7,50,000/-
36.	23EM/MT/98	Dr. Nikunja Bihari Barik Govt. College Koraput, Dayananda Vihar, Landiguda, Koraput	A modified meshfree RBF-FD method for solving flow over an Air foil	Rs. 3,65,000/-
37.	23EM/MT/99	Dr. Akasmika Panda Shailabala Women's (Auto) College, Cuttuck.	A study on fractional partial differential equations involving Hardy potential, a singularity and a critical nonlinearity.	Rs. 6,60,000/-

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38.	23EM/OD/105	Dr. Kalpataru Nayak M.H.D Mahavidyalaya, Chhatia, Jajpur, Odisha	Words in the Hatigumpha Inscription and Sarala Mahabharata: An Etymological Comparative Study	Rs. 5,26,000/-
39.	23EM/OD/106	Dr. Sanghamitra Bhanja RDWU, Vidya Vihar, Bhoinagar, BBSR	Literacy and Socio-Cultural Involvement of Odia Women (ଓଡ଼ିଆ ମହିଳା ସାଂସ୍କୃତିକ ଓ ସାମାଜିକ ସମ୍ପର୍କ) ପ୍ରାକ ସ୍ଵାଧୀନତା କାଳ	Rs. 5,16,000/-
40.	23EM/PS/108	Dr. Subhankari Pati Asst. Prof. Dept. of Philosophy, G.M University, Sambalpur	Rawls Conception of Person: A Feminist Critique	Rs. 5,26,000/-
41.	23EMPH/112	Dr. Jogesh Rout Department of Physics, Shreeram College, S.Rampur,Subarnapur	Beam Optimization to disentangle CP violation signal in presence of NSI	Rs. 8,70,000/-
42.	23EM/PH/113	Dr. Preeti Manjari Mishra Department of Physics, Government Women's College, Keonjhar	Helicity resolved Raman spectroscopy of TMDC materials for applications in optoelectronic devices and development of Angle-resolved photoemission spectrometer for measurement of band structures	Rs. 9,10,000/-
43.	23EM/PH/115	Dr. Bramhachari Khamari Department of Physics Government Degree College, Koraput	To enhance the power conversion efficiency of exciton solar cell through heterostructure of Janus Transition metals dichalcogenides: A first principle-based study	Rs. 8,56,000/-

44.	23EM/PH/116	Dr. Rakesh Kumar Sahoo Assistant Professor, Department of Physics, Government Women's College, Sambalpur	Processing of industrial wastes to low dimensional metal-organic framework and their self-assembly for flexible supercapacitor application: A waste to wealth approach	Rs. 9,95,000/-
45.	23EM/PH/118	Dr. Pankaj Kumar Sahoo P.G. Department of Physics, Dhenkanal Autonomous College, Kunjakanta, Dhenkanal	Meta-grating based photonic breath analyser	Rs. 9,95,000/-
46.	23EM/PH/119	Dr. Ranjana Rani Das Government Autonomous College Rourkela, Sundargarh	The Battle of Magnetic interactions: Unraveling Giant Exchange Bias through Competing Magnetic Interactions in Layered Perovskite Oxides	Rs. 9,56,000/-
47.	23EM/PH/120	Dr. Gagan Bihari Pradhan Assistant Professor Dept. of Physics Government College Sundargarh Rangadhipa, Sundargarh	Relativistic and Many-Body effects on photoionization of atoms and ions	Rs. 5,16,000/-
48.	23EM/PH/122	Dr. Dipak Rout Department of Physics, Govt. College Sundargarh	Wavelength selective, polarization in-sensitive, resonant meta-surfaces for on-chip high- brightness source for integrated quantum photonics	Rs. 10,00,000
49.	23EM/PH/123	Dr. Binaya Kumar Sahu Department of Physics Panchayat Degree College, Bargarh	Au Nanorods decorated with multivalence tin oxide (MVTO) nanoparticles (NPs) for Visible Light Mediated Plasmonic Hot-electron Transfer for Catalysis Application"	Rs. 9,46,000/-

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50.	23EM/PH/124	Dr. Kishora Nayak Department of Physics, Panchayat College, Bargarh	Exploring the QCD phase diagram by the measurement of directed of identified hadrons in BES energies	Rs. 8,80,000/-
51.	23EM/PH/127	Dr. Purna Chandra Patra Department of Physics Fakir Mohan Auto. College	Luminescence Properties of Perovskite Materials for Optoelectronic Devices	Rs. 9,26,000/-
52.	23EM/PO/128	Dr. Gyana Ranjan Swain School of Political Science, GM University, Sambalpur	Electoral Mobilization and Political Competition: A study of Panchayat Elections in Odisha (2007-2022)	Rs. 6,96,000/-
53.	23EM/SO/131	Dr. Atashi Rath Assistant Professor in Sociology Rama Devi Women's University	Women Start-Ups in Odisha: A Study on the Vulnerability & Resilience of Women Entrepreneurs	Rs. 5,86,000/-
54.	23EM/ZO/134	Dr. Subrat Kumar Panigrahi Department of Zoology Kalahandi University, Bhawanipatna	Understanding mosquito faunal diversity to assess the burden of vector-borne diseases in different topographics of Kalahandi district of Odisha State, India	Rs. 9,16,000/-
55.	23EM/ZO/135	Dr. Deepak Ranjan Sahoo Lecture in Zoology Nayagarh Autonomous college, Nayagarh	Effect of probiotics on gut microbiota of adult Indian honey bee, <i>Apis cerana indica</i> .	Rs. 6,30,000 /-

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56.	23EM/ZO/136	Dr Jutshina Hota J.K.B.K. Govt. College, Cuttack	Study of Tail Regeneration and Homeotic Transformation in the Indian tree frog, <i>Polypedates maculatus</i> : A molecular approach.	Rs. 9,86,000/-
57.	23EM/ZO/137	Dr. Bandita Rath HOD & Assistant Professor in Zoology, PG Department of Zoology, Rajdhani college, Bhubaneswar	Mechanistic insight into PPCP Triclosan and Benzyl alcohol mediated developmental abnormality using <i>Danio rerio</i> (zebra fish models)	Rs. 9,94,000/-
58.	23EM/MB/140	Dr. Priya Ranjan Debata Maharaja Sriram Chandra Bhanja Deo University, Takatpur, Baripada-757003, Mayurbhanj	Elucidating Metabolic Alterations in Glioma Cells Following CRISPR-Cas Mediated Mutagenesis of IDH1/2 genes in U87/T98 Cells	Rs. 10,00,000/-
59.	23EM/ZO/142	Dr. Prajna Paramita Naik P.G. Department of Zoology, Panchayat College, Bargarh	Assessment of cancer prevalence and its association with occupational exposure to pesticide among farmers of Bargarh District, Odisha, India	Rs. 9,26,000/-
60.	23EM/ZO/144	Dr Madhusmita Das Dept. of Zoology, Binayak Acharya College, Berhampur, Ganjam	Microplastic quantification and Nutritional evaluation in the edible crabs of the Ganjam Coast, Odisha	Rs. 9,36,000/-

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9.1.2024