



नेपाल विज्ञान तथा प्रविधि प्रज्ञा-प्रतिष्ठान



नास्ट

मिति: २०८२ असोज १० गते

अनुसन्धानवृत्तिको नतिजा प्रकाशित गरिएको सम्बन्धी सूचना

यस प्रज्ञा प्रतिष्ठानले काठमाडौं उपत्यका विकास प्राधिकरणको सहकार्यमा सञ्चालन गरिरहेको Implementation of Urban Research Activities परियोजना अन्तर्गत सहरी पारिस्थितिकीय प्रणालीमा आधारित अनुकूलन अनुसन्धानवृत्तिका लागि प्रस्ताव पेश गर्न आव्हान गरे बमोजिम प्राप्त भएका प्रस्तावहरूमध्ये विज्ञहरूबाट गरिएको मूल्यांकनको आधारमा उच्चतम अंक प्राप्त गरेका स्नातक शोध अनुसन्धानका लागि ११ (एघार), स्नातकोत्तर शोध अनुसन्धानका लागि २३ (तेइस), एमफिल शोध अनुसन्धानका लागि २ (दुई), विद्यावारिधि शोध अनुसन्धानका लागि ४ (चार) र संस्थागत अनुसन्धानका लागि ३ (तीन) जनालाई छनौट समितिबाट सिफारिस र परियोजना निर्देशक समितिबाट स्वीकृत भएबमोजिमको नतिजा प्रकाशन गरिएको छ।

एमफिल, स्नातकोत्तर र स्नातक तहका शोध अनुसन्धान विधामा छनौट भएका आवेदकहरूले प्रतिष्ठानमा पेश गरेको प्रस्तावमा अनुसन्धान सम्पन्न नभएको र सो प्रस्तावका लागि अन्य निकायहरूबाट अनुसन्धानवृत्ति समेत नलिएको व्यहोरा उल्लेख गरी सम्बन्धित विश्वविद्यालय, विभाग, कलेज वा क्याम्पस प्रमुख र सुपरभाइजरको सिफारिस पत्र (Letter of Recommendation) र सम्बन्धित अनुसन्धानकर्ताले समेत सोही व्यहोरामा हस्ताक्षर गरेको अनुसन्धानवृत्ति स्वीकारोक्ति पत्र (Letter of Grants Acceptance) र विद्यावारिधि र संस्थागत विधाका अनुसन्धानकर्ताहरूले अन्य निकायहरूबाट थप अनुसन्धानवृत्ति प्राप्त गरेको भए सो व्यहोरा उल्लेख गरी अनुसन्धानवृत्ति स्वीकारोक्ति पत्र पेश गरेपश्चात् सम्झौता पत्रमा हस्ताक्षर हुनेछ। उमदेवारले प्रतिष्ठानको नेपाल जलवायु परिवर्तन ज्ञान व्यवस्थापन केन्द्रमा सम्पर्क गरी २०८२ असोज ३१ गते भित्र सम्झौता गरी सक्नु पर्ने व्यहोरा पनि जानकारी गराइन्छ। छनौट भएका आवेदक अनुसन्धानकर्ताले तोकिएको समय भित्र सम्झौता नगरेमा, गर्न नचाहेमा वा सम्झौता रद्द गरेमा बाँकी आवेदकहरू मध्येबाट उच्चतम अंक ल्याउने आवेदकलाई क्रमशः छनौट गरिनेछ।

(क) स्नातक शोध अनुसन्धानका लागि छनौट भएका वर्णानुक्रम अनुसारका उमेदवारहरू

SN	Applicants	Proposal Title	Institution
1	Aakriti Thapa	Deciphering Groundwater Dynamics in Kathmandu Valley: Insights from Soil Characteristics, Hydraulic Conductivity and Rainfall Analysis	Pulchowk Campus
2	Gayatri Bhattarai	Reviving Neglected Urban Green Spaces: Identifying Potential Mini-Forest Sites in Pokhara Metropolitan City	Institute of Forestry, Pokhara
3	Minju Karki	Innovative Approaches Using <i>Chlorella vulgaris</i> and <i>Scenedesmus obliquus</i> for the Combined Treatment of Microplastics, Pharmaceutical Residues, and Sewage Waste	SANN International College

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4	Nabina Mangrati	Isolation and Identification of Heavy Metal-resistant Bacteria from Agricultural Soils surrounding the Industrial Corridor of Sunsari and Morang Districts in Koshi Province, Nepal	Central Campus of Technology, Dharan, Nepal
5	Niruta Singh	How are climate scenarios and urbanization influencing groundwater dynamics? An Analysis of Groundwater Availability, Quality, Vulnerability, and Adaptation in the Pokhara Valley.	Institute of Forestry, Tribhuvan University
6	Samana Thapa	Assessment of Melamchi Drinking Water Supply at Domestic Level of Koteshwor, Baneshwor and Baluwatar areas	Tri-Chandra Multiple Campus, Microbiology Department
7	Shikha Dangi	Study of Transformation of Invasive Species into Biopesticides for Sustainable Agricultural Nepal	Institute of Forestry, Pokhara Campus
8	Shishir Acharya	Evaluating the Role of Rooftop Farming in Addressing Urban Environmental Challenges in Kathmandu Valley	College of Natural Resource Management, Madichaur, Rolpa
9	Siddhant Yadav	Design and Development of a River Bathymetry and Terrain Mapping Platform for Disaster Response and Risk Reduction	Department of Mechanical and Aerospace Engineering, Pulchowk Campus, IOE, TU
10	Simran Chaudhary Tharu	Extraction of laccase and peroxidase enzyme from <i>Cerrena unicolor</i> for Development of enzyme based hybrid biocatalytic paint for phenolic and aromatic VOCs sequestration and air pollution mitigation in Kathmandu valley	SANN International College, Naya Naikap, 14, Chandragiri
11	Smriti Buddhacharya	Harnessing Microbial Enzymes for Plastic Waste Bio-Degradation Using Metagenomic and Culture-Based Approaches	Kantipur Valley College, Kumaripati, Lalitpur, Nepal

(ख) स्नातकोत्तर शोध अनुसन्धानका लागि छनौट भएका वर्णानुक्रम अनुसारका उमेदवारहरु

SN	Applicants	Proposal Title	Institution
1	Aarati Thapa Magar	Optimized machine learning model for air quality index prediction in Kathmandu Valley	Institute of Engineering, Thapathali Campus
2	Aayasha Mishra	Ecological Health And Economic Valuation of Taltalaiya Wetland in Itahari Sub-Metropolitan City, Sunsari, Nepal".	Central Department of Environmental Science, TU

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3	Alina Poudel	Short-term Effect of Tillage Practices and Maize (<i>Zea mays</i> L.) – Chickpea (<i>Cicer arietinum</i> L.) Intercropping on Soil Health Parameters and Crop Yield at Rampur, Chitwan	Agriculture and Forestry University, Rampur, Chitwan
4	Anish Dahal	Scaling Green Roof Enterprises in Kathmandu: A Policy and Business Model Analysis for Sustainable Urban Drainage	Nepal Commerce Campus, New Baneshwor Kathmandu
5	Bibek Ghimire	Hybrid Activated Carbon-MOF Composites for Ultra-Selective Removal of Emerging Pollutants in Urban Wastewater	IOE Pulchowk Campus
6	Gayatri Sharma Bajagain	Rooftop Farming: A climate adaptation and mitigation approaches in Kathmandu Metropolitan City	Central Department of Botany, TU
7	Himani Pandit	Bacteriophage-Mediated Bioremediation: Targeting Pathogenic Bacteria in Contaminated Environments with Medical Relevance	Central Department of Biotechnology
8	Kopila Sarki	Spatial Distribution Patterns of Plant Species Richness and Density in the Mid-hill Forests of Chitwan District, Nepal	Central Department of Environmental Science, Tribhuvan University
9	Kuldip Ray	Growth Performance of Black Soldier Fly (<i>Hermetia illucens</i> , Linnaeus 1758) in Different Organic Waste Substrates at Gene Bank, Khumaltar	Institute of Agriculture and Animal Science, TU
10	Pranjal Devkota	Identifying city sponginess in response to urban flooding of Kathmandu Valley	Central Department of Environmental Science, TU
11	Puja Acharya	Assessment of Algal Diversity in Relation to Water Quality in Wetlands of Chitwan National Park, Nepal	Central Department of Environmental Science
12	Purnima Regmi	Assessing Pollutant-tolerant Plant Species for Air Quality Improvement in Industrial Areas of Dang District, Nepal	Central Department of Environmental Science
13	Roniksh B.C.	Application of Geographic Information System for Flood Hazard Management: A Study of Bishnumati River Corridor, Kathmandu, Nepal	School of Environmental Science and Management, Pokhara University
14	Sabita Subedi	Hydrochemistry, Trophic Status, and Sediment Nutrients of Batuli Pokhari, Chitwan: Implications for Urban Lake Management.	Central Department of Environmental Science, Tribhuvan University

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15	Saksham Ghimire	Techno-Economic and Environmental Feasibility of Solid Waste-to-X Technologies in Kathmandu Valley	Kathmandu University
16	Samichhya Poudel	Analysis of Hydrochemistry, Land Use/Cover Change for Ecosystem-Based Water Governance in Tinau River Basin (TRB), Nepal.	Central Department of Environmental Science, Tribhuvan University, Kirtipur
17	Samiksha Pokhrel	Analysis of Hydrochemical and Microplastic Pollution Impacts on River Ecosystem Health and Water Governance in the West Rapti River Basin, Nepal	Central Department of Environmental Science, Tribhuvan University
18	Samira Godar	Effect of Different Levels of Nitrogen and Varied Electrical Conductivity (EC) on the Growth and Yield of Lettuce (<i>Lactuca sativa</i>) in Hydropoinics Production System	Agriculture and Forestry University, Rampur, Chitwan
19	Saroj Sapkota	Enhancement of Mechanical Properties of Bajra Mortar with addition of Cement and Traditional Additives (Surkhi, Chaku, Maas)	Kathmandu University
20	Sarthak Regmi	Urban Heat Islands in Kathmandu Valley: Spatio -Temporal Trends (2010–2024) and Mitigation Modeling	Kathmandu University
21	Sudip Poudel	Flood Simulation and Impact Analysis of Manohara River in Shankharapur, Kageshwori Manohara, Changunarayan & Madhyapur Thimi Municipalities.	Kathmandu University
22	Sulochana Lama	Landscape Connectivity in Tikauli-Chepan Lake Complex, Chitwan National Park	Central Department of Environmental Science, TU
23	Yojana Adhikari	Effect of Farm Yard manure on Soil Physical and Chemical Properties under Different Mulching Materials on Potato(<i>Solanum tuberosum</i>) Culitivation at Rampur, Chitwan	Agriculture and Forestry University, Rampur, Chitwan

(ग) एमफिल शोध अनुसन्धानका लागि छनौट भएका वर्णानुक्रम अनुसारका उमेदवारहरु

SN	Applicants	Proposal Title	Institution
1	Surendra P Joshi	The Impact of Green Space Management on Urban Livability and Residents well-being in Kathmandu	Tribhuvan University
2	Sushil Silwal	Mainstreaming GESI and Sustainable Livelihood Approaches for Urban Climate Resilience: An Integrated Ecosystem-based Adaptation (EbA) in Kathmandu Valley	Central Department of Rural Development

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(घ) विद्यावारिधि शोध अनुसन्धानका लागि छनौट भएका वर्णानुक्रम अनुसारका उमेदवारहरु

SN	Applicants	Proposal Title	Institution
1	Anil Nepal	Evaluating the Adaptive Capacity of Urban Settlements for Urban Heat Stress: A Case of Lalitpur	Institute of Engineering, Pulchowk Campus
2	Kameshwar Sahani	Experimental Study on Carbon Footprint Reduction and Climate Resilience in Concrete Structure	Kathmandu University, Dhulikhel, Kavre, Nepal
3	Narayan Timilsena	Potential Use of Crushed Concrete Aggregate (CCA) in Kathmandu Valley	Tribhuvan University, Institute of Engineering, Pulchowk Campus
4	Pradeep KC	Impact of Green Construction on Sustainable Development of Itahari Sub-Metropolitan City	Dean Office, Faculty of Management, Tribhuvan University, Kirtipur

(ङ) संस्थागत अनुसन्धानका लागि छनौट भएका वर्णानुक्रम अनुसारका उमेदवारहरु

SN	Applicants	Proposal Title	Institution
1	Binod Ghimire, Rewan Kumar Dahal	Clay, Craft, and Community Adaptation: Examining the Socio-Ecological Dynamics of Pottery in New Thimi amidst Urbanization	Office of the Dean Faculty of Management Tribhuvan University
2	Nirina Khadgi	Ecosystem-Based Adaptation (EbA) for Urban Drainage Management: Sustainable Drainage Systems (SuDS) for Climate Resilience in Budhanilkantha Municipality	Himalayan Research Forum Nepal P. Ltd.
3	Yadav Uprety	Assessment of Biodiversity and Ecosystem Services of the Dhap Dam Wetland Kathmandu	Central Department of Botany, TU

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