



**Department of Botany**  
**University of Kashmir, Srinagar-190 006**  
**Jammu & Kashmir, India**

### **Advertisement Notice**

Applications on plain paper are invited from the eligible candidates for the 03 positions of **Research Associate-I (RA-I)** and 10 positions of **Junior Research/Project Fellow (JRF/JPF)** sanctioned by the Ministry of Environment, Forest and Climate Change through GB Pant Institute of Himalayan Environment and Development under the “**National Mission on Himalayan Studies**”. The positions are temporary and co-terminus with the programme/project.

Applications along with photocopies of certificates/ transcripts and other documents indicating qualification, percentage of marks in the qualifying examination, age and experience (if any), must reach the office of the undersigned in the Department of Botany, University of Kashmir by or before **15-11-2016**. The contact details (mobile phone No., email) be mentioned in the application.

Details of study area, proposed objectives, deliverables and qualification are given in the enclosed Annexure.

**(Prof. Zafar A Reshi)**  
**Coordinator**

No: KU/Bot/NMHS\_Fellowships\_Advt/2016

Dated: 29-10-2016

## Annexure

<b>Research Associate-I (RA-I):</b>			
<b>Study Area</b>	<b>Proposed Objectives</b>	<b>Deliverables</b>	<b>Qualification</b>
Kashmir Himalaya	<ul style="list-style-type: none"> <li>Assessment of Kashmir Himalayan Biodiversity at Genetic, Species and Ecosystem levels along with Listing Threatened and Endemic Species</li> </ul>	<ul style="list-style-type: none"> <li>A comprehensive Database of Regional Biodiversity.</li> <li>List of Threatened and Endemic Species with specific uses that require immediate attention.</li> </ul>	<ul style="list-style-type: none"> <li>M.Sc with minimum of 55% marks in aggregate in subjects of Botany/Zoology/Microbiology.</li> <li>Ph.D in the concerned subject</li> </ul>
Kashmir Himalaya	<ul style="list-style-type: none"> <li>Assessment of the most pervasive changes in terms of Climate Change (CC), Invasive Species, Degradation of Land and Water Resources</li> </ul>	<ul style="list-style-type: none"> <li>A document on Climate Change (CC)-induced variations and trends observed in the Kashmir Himalaya along with preventive measures.</li> <li>Trends in Land Use and Land Cover (LULC) in the Kashmir Himalaya.</li> <li>Management Strategies for existing invasive species and predictive framework for potential alien species.</li> </ul>	<ul style="list-style-type: none"> <li>M.Sc with minimum of 55% marks in aggregate in Earth Sciences/ Geology/ Geography/Geoinformatics/ Botany/ Zoology/Env. Sc</li> <li>Ph.D in the concerned subject</li> </ul>
LadakhHimalaya	<ul style="list-style-type: none"> <li>Bio-prospecting of bioresources for sustainable regional development through local community participation</li> </ul>	<ul style="list-style-type: none"> <li>Screening and listing of species guided by traditional uses and biologically relevant metabolites with therapeutic potential.</li> <li>Potential Drug Leads</li> </ul>	<ul style="list-style-type: none"> <li>M.Sc with minimum of 55% marks in aggregate in Biotechnology/Biochemistry/ Chemistry/Pharmaceutical Sciences/Bioresources</li> <li>Ph.D in the concerned subject</li> </ul>

<b>Junior Research/ ProjectFellow (JRF/ JPF):</b>			
<b>Study Area</b>	<b>Proposed Objectives</b>	<b>Deliverables</b>	<b>Qualifications</b>
Kashmir Himalaya	<ul style="list-style-type: none"> <li>Conservation of genetic resources of rare, endemic, threatened (RET) species</li> </ul>	<ul style="list-style-type: none"> <li>A comprehensive Biodiversity Database developed and utilized in decision-making (conservation practices)</li> </ul>	<ul style="list-style-type: none"> <li>M.Sc with minimum of 55% marks in Botany/Zoology/Bioresources</li> </ul>
Kashmir Himalaya	<ul style="list-style-type: none"> <li>Assessment of level of reduction/ increase in human-wildlife conflicts</li> </ul>	<ul style="list-style-type: none"> <li>A brief report on Preventive Measures on Human-Wildlife conflicts and landscape-level best practices</li> </ul>	<ul style="list-style-type: none"> <li>M.Sc with minimum of 55% marks in Zoology/Wildlife</li> </ul>
Kashmir Himalaya	<ul style="list-style-type: none"> <li>Effectiveness of approaches developed for reduction of IAS</li> </ul>	<ul style="list-style-type: none"> <li>A Manual on Landscapes Restoration Practices by restricting proliferation of invasive alien species in the region</li> </ul>	<ul style="list-style-type: none"> <li>M.Sc with minimum of 55% marks in Botany/Zoology</li> </ul>
Jammu Himalaya	<ul style="list-style-type: none"> <li>Number of watersheds studied/plans prepared and executed.</li> </ul>	<ul style="list-style-type: none"> <li>Periodic studies on utilization of ground water and aquifers and their recharge to ensure sustainability.</li> </ul>	<ul style="list-style-type: none"> <li>M.Sc /M.A with minimum of 55% marks in Geography/ Geology/Earth Science/Geoinformatics/Soil and Water conservation</li> </ul>
Jammu Himalaya	<ul style="list-style-type: none"> <li>Number of spring-sheds investigated and treated/rejuvenated.</li> </ul>	<ul style="list-style-type: none"> <li>Development of a database on utilization and recharge of ground water and aquifers.</li> </ul>	<ul style="list-style-type: none"> <li>M.Sc with minimum of 55% marks in Geology/Earth Science//Env. Sc</li> </ul>
Ladakh Himalaya	<ul style="list-style-type: none"> <li>Significance of multipurpose tree species in degraded land rehabilitation</li> </ul>	<ul style="list-style-type: none"> <li>Multi-purpose trees and other flora for different agro-climatic zones identified</li> </ul>	<ul style="list-style-type: none"> <li>M.Sc with minimum of 55% marks in Botany</li> </ul>
LadakhHimalaya	<ul style="list-style-type: none"> <li>Level and diversity of</li> </ul>	<ul style="list-style-type: none"> <li>Their roles, norms and</li> </ul>	<ul style="list-style-type: none"> <li>M.Sc/M.A with minimum of 55%</li> </ul>

<b>Junior Research/ ProjectFellow (JRF/ JPF):</b>			
<b>Study Area</b>	<b>Proposed Objectives</b>	<b>Deliverables</b>	<b>Qualifications</b>
	engagement of traditional institutions in environment protection	practices for sustainable resource management, environment protection and socio-economic development	marks in Environmental Science/Sociology/Geography/ Social work/Economics
Ladakh Himalaya	<ul style="list-style-type: none"> <li>Supplementary livelihood options for local communities</li> </ul>	<ul style="list-style-type: none"> <li>Alternate livelihood options giving emphasis on green job creation and value chains recognized</li> </ul>	<ul style="list-style-type: none"> <li>M.Sc/M.A with minimum of 55% marks in Food Technology, Agronomy/Forestry/ Horticulture/Bioresources/Economics</li> </ul>
Kargil region	<ul style="list-style-type: none"> <li>Extent of production and promotion of value-added organic food</li> </ul>	<ul style="list-style-type: none"> <li>Documentation of environment-friendly traditional farming systems</li> </ul>	<ul style="list-style-type: none"> <li>M.Sc with minimum of 55% marks in Food Technology/Agronomy/ Olericulture</li> </ul>
Kashmir Himalaya	<ul style="list-style-type: none"> <li>Human capacity-building including promotion of micro-enterprises and green technologies</li> </ul>	<ul style="list-style-type: none"> <li>Identify key sectors and capacity building needs of those having immediate bearing on conservation and livelihoods</li> </ul>	<ul style="list-style-type: none"> <li>M.Sc/MBA/M.A with minimum of 55% marks in Food Technology/Management/Economics/ Agricultural Engineering/Commerce</li> </ul>

Note: Applicants with experience in the relevant fields shall be preferred.  
Selected candidates shall be paid emoluments as per the approved norms.