

URGENT research framework for a partner institution

The name of the partner organisation:

Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir

Contact person and e-mail address:

Dr. Akhlaq Amin Wani

Associate Professor

Division of Forest Resource Management

Faculty of Forestry

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Departments or other academic units at your organisation concerned with URGENT-related topics:

1. Division of Forest Resource Management

Current and past projects implemented at your institution and concerned with URGENT topics:

Add as many lines as necessary

Project title	Funding agency	Project topics concerned (2-3 keywords)	Type of the project (research, education, mobility, capacity for the organization or external stakeholders building, promotion etc)	Possible links to URGENT (joint activities, agreements, ...)
Biomass carbon distribution in northern region of Kashmir Himalayas using field inventory, remote sensing and GIS	Department of Science and Technology, Govt. of India	Tree Biomass, Carbon, Mapping, Deforestation, Forest degradation	Research and Education	Urban biomass carbon assessment, Urban forest dynamics
Threat categorization and conservation prioritization of forest	Department of J&K Science Technology and	Threat categorization,	Research and Education	Urban biodiversity, Urban ecology

floristic diversity in Sindh Forest Division of Kashmir Himalayas	Innovation Cell, Govt. of J&K	Biodiversity, Ecology		
Climate change vulnerability and socio-economic transformation in protected forest of environmentally fragile areas of Kashmir Himalayas	Department of J&K Science Technology and Innovation Cell, Govt. of J&K	Climate Change Vulnerability, Protected Areas, Socio-economic status	Research and Education	Urban climate change, Urban Protected areas

PHD Programs available

PhD Forestry (Forest Resource Management)

MSc Forestry (Forest Resource Management)

Topics of PhD thesis (or other graduate works if you do not have a PhD program)

<i>Title of research problem</i>	<i>Name of the student</i>	<i>Degree Program & Registration No</i>	<i>Major Advisor</i>
<i>Site suitability modeling for White willow in Ganderbal district of J&K using GIS based multicriteria approach</i>	<i>Basira Mehraj</i>	<i>PhD Forestry (FRM) 2020-848-D</i>	<i>Dr. Akhlaq Amin Wani</i>
<i>Forest fire risk modeling in Budgam district of Jammu & Kashmir</i>	<i>Khushnooda Anjum</i>	<i>PhD Forestry (FRM) 2020-1011-D</i>	<i>Dr. Akhlaq Amin Wani</i>
<i>Urban green space mapping using on screen digitization and machine learning approach in district Srinagar of J&K</i>	<i>Sadaf Fayaz</i>	<i>MSc Forestry (FRM) MSF-2020-120</i>	<i>Dr. Akhlaq Amin Wani</i>
<i>vegetation mapping and variability assessment of photosynthetically active radiation (PAR) in urban forest division of SRINAGAR</i>	<i>Jamsheed Bin Jabar</i>	<i>MSc Forestry (FRM) MSF-2020-121</i>	<i>Dr. Akhlaq Amin Wani</i>

<i>Conservation, prioritization of plant communities and habitats in Urban Green Spaces of Srinagar city</i>	<i>Salma Farooq</i>	<i>MSc Forestry (FRM) MSF-2020-122</i>	<i>Dr. Aasif Ali Gatoo</i>
<i>Assessing city biodiversity index and ecosystem services for urban climate resilience of Leh City</i>	<i>Tajamul Hussain</i>	<i>MSc Forestry (FRM) MSF-2020-123</i>	<i>Dr. Shah Murtaza</i>

Key personalities at your organisation publishing on URGENT -related topics:

Name	Key words (2-3) describing research interests	Personal webpage, if applicable
Dr. Akhlaq Amin Wani	Forestry, Resource Assessment, Ecology, Remote Sensing and GIS	
Dr. Aasif Ali Gatoo	Forest Ecology, Biodiversity	
Dr. Shah Murtaza Mushtaq	Climate Change, Resource Assessment	
Dr. Amir Farooq	Wildlife Management, Biodiversity	
Dr. M. A. Islam	Socio-economic aspect of Forestry	
Dr. T. H. Masoodi	Forest Ecology, Short rotation forestry	

Current research profile of the organization in relation to URGENT topics:

Agriculture for quality food

Forestry for organic food and healthy environment

Horticulture for food and health

Ambitions of the organization (in terms of research topics) or aspired activities in relation to URGENT topics (i.e. research collaboration agreements, phd supervision, internships for phd students to Eu partners)

Urban forestry

Urban green and blue mapping and dynamics

Urban green resource assessment

Urban protected area network

Urban ecology and biodiversity

Obstacles and barriers hampering the aspired developments

Education and research infrastructure

International collaborations in context of the desired thematic areas.

Enabling conditions and positive factor behind your current successes in relation to URGENT -related research developments, and/or making you hopeful about your ambitions:

ICT based training programs to assess and manage blue and green infrastructure.

Procurement of ICT based equipment available for student research and education.

International exposure of faculty and students.

Specific capacities you want to develop to reach you aspired URGENT-related research goals, such as equipment, training for academic or technical staff, access to international databases, external experts support or PhD supervision etc etc

Equipment (Purchased under URGENT)

Training of academic/technical staff (ongoing and prospective trainings scheduled)

Access to International database (to be done under URGENT)

External experts support/PhD supervision (to be done under URGENT)

Are there any national research or development policy objectives that support your current or aspired URGENT-related research developments? Please expand on this, if so

National Education Policy 2020 (NEP-2020) (Govt. of India)

NEP 2020 emphasizes for promotion of blue and green infrastructure vis a vis entrepreneurship through education.

Green India Mission (Govt. of India):



Co-funded by the
Erasmus+ Programme
of the European Union

It aims at protecting, restoring and enhancing India's diminishing forest cover and responding to climate change through adaptation and mitigation measures. It envisages a holistic view of greening that extends beyond tree planting.

Smart Cities Mission (Govt. of India)

The purpose of the Smart Cities Mission is to drive economic growth and improve the quality of life of people by enabling local area development and harnessing technology, especially technology that leads to Smart outcomes.

What are specific enabling conditions or obstacles for the development of research training at your organization – in general, and in URGENT-related fields

Research infrastructure not matching with international standards.

Dearth of International collaborations in context of the research priorities.

Human resource development in accordance with the modern and upcoming technologies.