



# University of Kashmir, Srinagar

**Minutes of the meeting of Board of Research Studies in Earth & Environmental Sciences held on 07-12-2019 at 02:00 P.M. in the Committee Room of the Administration Block.**

*Present:*

01. *Prof. Talat Ahmad* (Chairman)  
*Vice-Chancellor*
02. *Prof. Zafar A. Reshi*  
*Dean Research*
03. *Prof. Akbar Masood*  
*Dean Academic Affairs*
04. *Prof. Mohammad Sultan Bhat*  
*Dean, School of Earth & Environmental Sciences*
06. *Head, Deptt. of Geography & Regional Development*
07. *Head, Deptt. of Earth Sciences*
08. *Head, Deptt. of Environmental Sciences*
09. *Programme Co-ordinator, Geo-informatics*

*Assistant Registrar Research was also during the meeting.*

At the outset, Dean Research requested the Hon'ble Vice-Chancellor for his valuable introductory remarks. The Vice-Chancellor informed the members about the selection of the University for support under the **Component 10: Research, Innovation and Quality Improvement** of RUSA, Ministry of Human Resource Development, Govt. of India. The Vice chancellor also informed the members about the evaluation of the proposals submitted by faculty members by an Expert/Apex Committee constituted for the purpose and also underscored the need for submission of research proposals to other agencies for financial support. The Vice-Chancellor also desired that the BORS meetings should be held regularly after every six months.

In his remarks Dean Research remarked that the quality of research in the School not only needs to be maintained but also enhanced to meet the global standards. Also it was desired to identify the areas of immediate environmental concerns that need to be taken up for detailed investigations in order to address them in a sustainable manner. Need for a multidisciplinary approach to the environmental issues of the Jammu & Kashmir was also stressed. Besides, timely conduct of examination and declaration of results of three course work papers to avoid delays in the completion of research degrees programmes was emphasized. The members were encouraged to discuss and deliberate upon research agendas of the School and bring up relevant business for consideration of Research Council.

Subsequently agenda was taken up for discussion.

Item

No.01 Perused the action taken report on the minutes of the last meeting of the BORS in Earth & Environmental Sciences held on 31-07-2017.

**Resolved** that the action taken report on the minutes of the last meeting of BORS in Earth & Environmental Sciences held on 31-07-2017, **be placed on records.**

Item

No. 02 Confirmation of the minutes of the BORS meeting held on 31-07-2017 in Earth & Environmental Sciences (already circulated).

**Resolved** that the minutes of the last meeting of the BORS in Earth & Environmental Sciences held on 31-07-2017, **be confirmed.**

Item

No. 03 **Consideration of recommendations of Departmental Research Committee (DRC), Deptt. of Geography & Regional Development for recognition of Dr. Mohammad Shafi Bhat, Assistant Professor as Research Supervisor.**

**Resolved that** Dr. Mohammad Shafi Bhat, Assistant Professor be recognized as supervisor in the discipline of Geography.

Item

No.04 Considered the question of grant of registration in favour of the candidates listed in annexure A-C for pursuit of Ph. D/3-year Integrated Ph. D programme on whole-time/part-time basis, as detailed in the respective annexures against each candidate in the following disciplines comprised in the School of Earth & Environmental Sciences:-

A. Environmental Sciences                      B.        Geography        C. Earth Science

**Resolved** that subject to fulfillment of statutory requirements and conditions (if any) in the remarks column shown against each candidates listed in annexures “A” to “C” be registered for pursuit of Ph.D/3-year Integrated Ph. D programme on whole-time/part-time basis.

### **Table item**

Item

No. 05 **To consider recommendations of Departmental Research Committee (DRC), Deptt. of Earth Sciences for recognition of Dr. Akhter Rasool and Dr. Farooq Ahmad Dar, Assistant Professors Leh Campus as Co-supervisors in the discipline of Geology.**

**Resolved that** Dr. Akhter Rasool and Dr. Farooq Ahmad Dar, Assistant Professors Leh Campus be recognized as Co-supervisors in the discipline of Geography & Regional Development.

The meeting ended with a vote of thanks to the Chair.

Sd/-  
Dean Research

Sd/-  
Vice-Chancellor



**UNIVERSITY OF KASHMIR, SRINAGAR**  
**OFFICE OF THE DEAN RESEARCH**

*No: F (BORS-App Scs & Tech) KU/19*  
*Dated: November 27, 2019*

**Copy of the approved minutes alongwith the statement of particulars of the candidates forwarded to the Dean School of Earth & Environmental Sciences for necessary action.**

Assistant Registrar  
(Research)

## Annexure-A

## Department: Environmental Science

S. No	Name of the scholar	Name of the Supervisor	Proposed topic of research	Approved topic of research	Remarks
01.	Masarat Nabi I-Ph.D Whole-time Reg. No.55367-W-2009	Dr. B. A. Ganai Prof. Nahida Tabasum (Co-supervisor)	Evaluation of Genetic Diversity of <i>Skimmia anquetilia</i> and Anti-diabetic Activity of its Bioactive Constituents		<p>I. There is disconnect between the objectives of evaluating genetic diversity of <i>Skimmia anquetilia</i> and Anti-diabetic activity.</p> <p>II. Choice of marker for evaluating the genetic diversity needs reconsideration.</p> <p>III. Desired changes recommended by DRC to be routed through Dean School of Earth &amp; Environmental Sciences for approval of Dean Research.</p>
02.	Ali Mohd Yattoo I-Ph.D Whole-time Reg. No. 43734-S-2010	Dr. Md. Niamat Ali  Dr. Zahoor A Baba SKUAST, Wadoora (Co-supervisor)	Conversion of aquatic macrophytes into enriched vermicompost and its application in disease suppression of tomato plant		<p>I. The heavy metal load in the aquatics macrophytes to be converted into vermicompost needs consideration.</p> <p>II. Deptt. of Environmental Science is required to submit a separate proposal regarding co-supervision of Dr. Zahoor Ahmad Baba SKUAST, Wadoora alongwith following documents for consideration by competent authorities:</p> <ol style="list-style-type: none"> <li>i. C.V of the Teacher</li> <li>ii. Copies of appointment/ confirmation orders</li> <li>iii. NOC from Employer.</li> <li>iv. DRC recommendations.</li> </ol> <p>III. In case Dr. Zahoor Ahmad Baba is already approved co-supervisor, then copy of approval/order required to be provided by the HOD to the Dean Research office.</p>

03.	Fahim Bashir I-Ph.D Whole-time Reg. No. 39542-S-2005	Prof. B.A. Ganai Prof. Khalid Majid Fazili (Co-supervisor)	Morphological Characterization and Screening of Toxin gene/s in the Genome of <i>Dolichospermum</i> present in the Dal Lake		I. The title needs re-consideration to the extent that ‘morphological characterization’ is understood clearly and without any ambiguity. II. DRC may recommended any alteration and route the same through Dean School of Earth & Environmental Sciences for approval of Dean Research.
04.	Mohd Sarjeel Sofi I-Ph.D Whole-time Reg. No.14550-PC-2008	Dr. Sami Ullah Bhat	Impact of Flow Regulation on Macroinvertebrate Community in the Sindh River, Kashmir Himalaya		I. Some objectives are not in sync with the proposed work that is focussed on the study of flow regulation on macroinvertebrate community. II. DRC may consider the suggestion and route their observations through Dean School of Earth & Environmental Sciences for approval of Dean Research.
05.	Sabba Yaqoob I-Ph.D Whole-time Reg. No.39007-W-2003	Prof. Azra Nahid Kamili Prof. Bashir A. Ganai (Co-supervisor)	Bioprospection of Endophytic Fungi Isolated from <i>Lavatera cashmeriana</i> Camb.-An Endemic Medicinal Plant of Kashmir Himalaya	Bioprospection of Endophytic Fungi Isolated from <i>Lavatera cashmeriana</i> Camb.-An Endemic Medicinal Plant of Kashmir Himalaya	

06.	Sabiha Javeed I-Ph.D Whole-time Reg. No.21143-NW-2008	Dr. Arshid Jehangir  Dr. Shaheen Kausar Jan SKUAST-K (Co-supervisor)	Management of Municipal Solid Waste Through Mushroom Cultivation	Management of Municipal Solid Waste Through Mushroom Cultivation	<p>I. Science involved in the study be highlighted.</p> <p>II. How would Municipal Solid Waste be segregated for use in Mushroom Cultivation?</p> <p>III. Deptt. of Environmental Science is required to submit a separate proposal regarding co-supervision of Dr. Shaheen Kausar Jan, SKUAST-K alongwith following documents for consideration by competent authorities:</p> <ul style="list-style-type: none"> <li>i. C.V of the Teacher</li> <li>ii. Copies of appointment/confirmation orders.</li> <li>iii. NOC from Employer.</li> <li>iv. DRC recommendations.</li> </ul> <p>IV. In case Dr. Shaheen Kausar Jan, is already approved co-supervisor then copy of approval/order is required to be provided by the HOD to the Dean Research office.</p>
07.	Shahid Ahmad Dar I-Ph.D Whole-time Reg. No.43039-S-2009	Dr. Sami Ullah Bhat Dr. Irfan Rashid (Co-supervisor)	Assessment of Land System Changes and Eutrophication of Few Selected Wetlands of Kashmir Valley	Assessment of Land System Changes and Eutrophication of some Select Wetlands of Kashmir Valley	<p>I. Topic modified.</p> <p>II. How would historical data on water quality be obtained for the purpose of relating Land use-land cover changes with water quality?</p>

08.	Nazima Rashid I-Ph.D Whole-time Reg. No.60512-W-2011	Prof. B.A. Ganai Prof. Mohd Sultan Bhat (Co-supervisor)	Macrophytes as a Potential Source for Biofuel Production and their Role in Carbon Sequestration	Macrophytes as a Potential Source for Biofuel Production and their Role in Carbon Sequestration	It be ensured that the work is not a repetition of any such work carried out in this or any other insitution, particularlry vis-à-vis carbon sequestration by macrophytes.
09.	Sumaira Rashid I-Ph.D Whole-time Reg. No.55992-W-2009	Dr. Bashir Ahmad Gania Dr. Adil Gani (Co-supervisor)	Evaluation of Genetic Diversity and Anti-Hyperlipidimic Potential of <i>Eremerus himalaicus</i>		How are two objectives of genetic diversity and anti-hyperlipidimic activity of <i>E. himalaicus</i> related? The two are seemingly disparate and hence need consideration by the DRC and intimate the office of Dean Research accordingly.
10.	Saima I-Ph.D Whole-time Reg. No.54807-W-2009	Dr. Bashir Ahmad Gania Prof. Azra Nahid Kamili Dr. Rizwan Habib (Co-supervisor)	Assessment of Genetic Diversity, Isolation and Characterization of Bioactive Compounds of <i>Arisaema propinquum</i> Schott. of Kashmir Himalaya		<p>I. How would genetic diversity be related to isolation and characterisation of bioactive compounds in the selected species? Needs to be considered.</p> <p>II. Deptt. of Environmental Science is required to submit a separate proposal regarding co-supervision of Dr. Rizwan Habib alongwith following documents for consideration by competent authorities:</p> <ol style="list-style-type: none"> <li>i. C.V of the Teacher</li> <li>ii. Copies of appointment/ confirmation orders.</li> <li>iii. NOC from Employer.</li> <li>iv. DRC recommendations.</li> </ol> <p>III. In case Dr. Rizwan Habib, is already approved co-supervisor then a copy of approval/order is required to be provided by the HOD to the Dean Research office.</p>

11.	Asma Zafar Ph.D Whole-time Reg. No.14164-NW-2003	Prof. Azra Nahid Kamili Dr. Bashir Ahmad Gania (Co-supervisor)	Isolation and Characterization of Thermophilic Bacteria from a Hot Spring of Jammu	Isolation and Characterization of Thermophilic Bacteria from a Hot Spring of Jammu	
12.	Tanveer Ahmad Najar Ph.D Whole-time Reg. No.19353-IC-2005	Dr. Arshid Jehangir  Dr. Gazala Habib IIT, Delhi (Co-supervisor)	Study of PM <sub>2.5</sub> Concentration and Emission Inventory of Air Pollutants in Kashmir Himalaya	PM <sub>2.5</sub> Concentration and Emission Inventory of Air Pollutants in Kashmir Himalaya	<p>I. The work published by Prof. S.A. Romshoo on PM<sub>2.5</sub> be taken into consideration while carrying the present study.</p> <p>II. Number and location of study sites be mentioned.</p> <p>III. Deptt. of Environmental Science is required to submit a separate proposal regarding co-supervision of Dr. Gazala, IIT, Delhi alongwith following documents for consideration by competent authorities:</p> <ol style="list-style-type: none"> <li>i. C.V of the Teacher</li> <li>ii. Copies of appointment/confirmation orders.</li> <li>iii. NOC from Employer.</li> <li>iv. DRC recommendations.</li> </ol> <p>IV. In case Dr. Gazala Habib, is already approved co-supervisor then a copy of approval/order is required to be provided by the HOD to the Dean Research office.</p>

13.	Sabah Fatima Ph.D Whole-time Reg. No.14780-G-2005	Dr. Arshid Jehangir Prof. B. A. Ganai (Co-supervisor)	Purification and Characterization of Cellulases and Proteases from Potential Bacterial Species Isolated from Municipal Solid Waste	Purification and Characterization of Cellulases and Proteases from Bacterial Species Isolated from Municipal Solid Waste	Title may be revisited (word 'from' in the title twice)
14.	Shahida Naseem I-Ph.D Whole-time Reg. No.53891-W-2008	Dr. Sami Ullah Bhat Dr. Adil Gani Deptt. of Food Sc. & Technology Dr. Farooq Ahmad Bhat Assistant Professor SKUAST (Co-supervisor)	Utilization of Macrophytes as Functional Feed for the Growth and Development of <i>Cyprinus carpio</i>	Utilization of Macrophytes as Functional Feed for the Growth and Development of <i>Cyprinus carpio</i>	<p>I. How safe it is to utilize macrophytes as functional feed when macrophytes could be laden with different heavy metals?</p> <p>II. Deptt. of Environmental Science is required to submit a separate proposal regarding co-supervision of Dr. Farooq Ahmad Bhat Assistant Professor SKUAST alongwith following documents for consideration by competent authorities:</p> <ul style="list-style-type: none"> <li>i. C.V of the Teacher</li> <li>ii. Copies of appointment/ confirmation orders.</li> <li>iii. NOC from Employer.</li> <li>iv. DRC recommendations.</li> </ul> <p>III. In case Dr. Farooq Ahmad Bhat, is already approved co-supervisor then a copy of approval/order is required to be provided by the HOD to the Dean Research office.</p>

15.	Mir Riasa Zaffar I-Ph.D Whole-time Reg. No. 58440-W-2010	Dr. Ruqaya Nazir Dr. Mushtaq Ahmad Rather NIT, Sgr. (Co-supervisor)	Characterisation of Biofilms and their Role in Bioremediation of Eutrophicated Waters	Characterisation of Biofilms and their Role in Bioremediation of Eutrophicated Waters	<p>I. Deptt. of Environmental Science is required to submit a separate proposal regarding co-supervision of Dr. Mushtaq Ahmad Rather NIT, Sgr alongwith following documents for consideration by competent authorities:</p> <ol style="list-style-type: none"> <li>i. C.V of the Teacher</li> <li>ii. Copies of appointment/ confirmation orders.</li> <li>iii. NOC from Employer.</li> <li>iv. DRC recommendations.</li> </ol> <p>II. In case Dr. Mushtaq Ahmad Rather NIT, Sgr is already approved co-supervisor then a copy of approval/order is required to be provided by the HOD to the Dean Research office.</p>
16.	Gousia Majeed I-Ph.D Whole-time Reg. No.55667-W-2009	Prof. Azra Nahid Kamili Dr. Manzoor Ahmad Shah (Co-supervisor)	Effectiveness of Different Elicitors for Inducing Resistance in <i>Capsicum annuum</i> L. Against Fusarium Wilt	Effectiveness of Different Elicitors for Inducing Resistance in <i>Capsicum annuum</i> L. Against Fusarium Wilt	How resistance would be induced needs elaboration?
17.	Maheen Javaid I-Ph.D Whole-time Reg. No.41581-S-2007	Dr. Arshid Jehangir Dr. A. R. Yousuf Ex-Professor (Co-supervisor)	Freshwater Wetlands as Carbon Sinks in Kashmir Himalaya		<p>I. It needs to be ensured that the present work is not a repetition of any such previous work.</p> <p>II. Carbon sequestration is to be carried out by Nazima Rashid as well (S.No.8)</p> <p>III. Novelty in the present study needs to be highlighted</p>

18.	Sabira Hafeez I-Ph.D Whole-time Reg. No.57856-W-2010	Prof. Azra Nahid Kamili Prof. B. A. Ganai (Co-supervisor)	Bioprospection of Endophytic Fungi Associated with <i>Aconitum heterophyllum</i> Wall.-A Medicinal Plant of Kashmir Himalaya	Bioprospection of Endophytic Fungi Associated with <i>Aconitum</i> <i>heterophyllum</i> Wall.-A Medicinal Plant of Kashmir Himalaya	
19.	Insha Amin I-Ph.D Whole-time Reg. No.55075-W-2009	Dr. Ruqaya Nazir  Dr. Mushtaq A Rather (Co-supervisor)	Characterization of Heavy Metal Resistant Fungi for Bioremediation of Agricultural Soils	Characterization of Heavy Metal Resistant Fungi for Bioremediation of Agricultural Soils	I. How would fungi be recovered from the agricultural soils after accomplishment of remediation of heavy metals? II. Deptt. of Environmental Science is required to submit a separate proposal regarding co-supervision of Dr. Mushtaq Ahmad Rather (NIT) alongwith following documents for consideration by competent authorities: i. C.V of the Teacher ii. Copies of appointment/ confirmation orders. iii. NOC from Employer. iv. DRC recommendations. III. In case Dr. Mushtaq A Rather is already approved co-supervisor then copy of approval/order is required to be provided by the HOD to the Dean Research office.
20.	Zarka Zaheen I-Ph.D Whole-time Reg. No.58098-W-2010	Dr. Md. Niamat Ali Dr. Yahya Bakhtiyar (Co-supervisor)	Studies on Tissue Residues and Genotoxicity of Heavy Metals in some Commercially Important Fish Species of Dal Lake and Manasbal Lake		I. Use of 'residues' with heavy metal needs to be confirmed and title modified if required. II. Rationale for selecting five heavy metals be detailed. III. In case title is revised, same be endorsed by the DRC and routed through Dean School of Earth & Environmental Sciences for approval of Dean Research.

21.	Irfana Asad I-Ph.D Whole-time Reg. No.44717-W-2005	Dr. Sami Ullah Bhat Dr. Adil Gani Deptt. of Food Sc. & Technology (Co-supervisor)	Development of Biodegradable Packaging Films Loaded with Bioactives from Different Macrophytes	Development of Biodegradable Packaging Films Loaded with Bioactives from Different Macrophytes	
22.	Shabeena Farooq I-Ph.D Whole-time Reg. No.23587-PC-2011	Dr. Arshid Jehangir Dr. Atul Narayan, NEERI, Nagpur	Evaluation of Different Composting Techniques for Management of Solid Waste at Household level	Evaluation of Different Composing Techniques for Management of Solid Waste at Household level	<p>I. Overlap with similar studies be checked and appropriately addressed.</p> <p>II. Deptt. of Environmental Science is required to submit a separate proposal regarding co-supervision of Dr. Atul Narayan, NEERI, Nagpur alongwith following documents for consideration by competent authorities:</p> <ol style="list-style-type: none"> <li>i. C.V of the Teacher</li> <li>ii. Copies of appointment/confirmation orders.</li> <li>iii. NOC from Employer.</li> <li>iv. DRC recommendations.</li> </ol> <p>III. In case Dr. Atul Narayan is already approved co-supervisor then a copy of approval/order is required to be provided by the HOD to the Dean Research office.</p>

23.	Shahid Ahmad Ganai I-Ph.D Whole-time Reg. No.66868-Ang-2011	Prof. B. A. Ganaie Dr. Manzoor Ahmad Shah (Co-supervisor)	Comparative Biochemical Analysis and Allelopathic Effects of Invasive Plants with non Invasive Species		There is scope for improving the title. Concerend may consider it in DRC and forward the revised title, if desirbale, duly endorsed by the Dean of the concerend School for approval of Dean Research.
24.	Saima I-Ph.D Whole-time Reg. No.49705-w-2007	Dr. Ruqeya Nazir Assistant Professor  Dr. Amjad M. Hussaini SKUAST (co-supervisor)	Isolation, Characterization of Sulfur Bacteria of a few Sulfur Spring Waters of J&K, for Bioremediation of Sewage Sludge	Isolation and Characterization of Sulfur Bacteria of a few Sulfur Spring Waters of J&K for Bioremediation of Sewage Sludge	I. Title has been slightly modified. II. Deptt. of Environmental Science is required to submit a separate proposal regarding co-supervision of Dr. Amjad M. Hussaini, SKUAST, alongwith following documents for consideration by competent authorities: i. C.V of the Teacher ii. Copies of appointment/ confirmation orders iii. NOC from Employer. iv. DRC recommendations. In case Dr. Amjad M. Hussani is already approved co-supervisor, then copy of approval/order required to be provided by the HOD to the Dean Research office.

**Annexure-B****Department: Geography**

<b>S. No</b>	<b>Name of the scholar</b>	<b>Name of the Supervisor</b>	<b>Proposed topic of research</b>	<b>Approved topic of research</b>	<b>Remarks</b>
01.	Waseem Ahmad Bhat I-Ph.D Whole-time Reg. No.59089-ANG-2009	Dr. Pervez Ahmad	Geomorphological investigation and mass balance studies of Nehnar glacier, Sind basin, India	Geomorphological investigation and mass balance studies of Nehnar glacier, Sind basin, India	Whether or not the scholar has access to automatic weather station for energy balance studies, without which the proposed study could be difficult.
02.	Abida I-Ph.D Whole-time Reg. No.34568-SP-2010	Dr. Harmeet Singh Dr. Pervez Ahmed (Co-supervisor)	Land use Planning for Sustainable Agriculture Development in North Kashmir, J&K		I. Standard method of analysing Physiochemical characteristics of soil needs to be followed or else work could be restricted to Land suitability tests. II. Any modification/s be routed through Dean School of Earth & Environmental Sciences for approval of Dean Research.

03.	Nusrat Rafique I-Ph.D Whole-time Reg. No.54813-W-2009	Prof. Mohammad Sultan Bhat	Reclamation of Degraded Lands and its Economic Implications in Budgam District, Jammu & Kashmir, India	Reclamation of Degraded Lands and its Economic Implications in Budgam District, Jammu & Kashmir, India	
04.	Shahbaz Rashid I-Ph.D Whole-time Reg. No.59114-ANG-2009	Dr. Javeed Ahmad Rather	Role of Fruit Market Centres in Horticulture and Economic Development in Kashmir Valley, J&K	Role of Fruit Market Centres in Horticulture and Economic Development in Kashmir Valley, J&K	
05.	Mushtaq Ahmad Kumar I-Ph.D Whole-time Reg. No.17723-PC-2009	Dr. G. M. Rather	Quality of Life in Ladakh-A Geographical Analysis		I. Members felt that the title could be suitably modified to make it more appropriate. II. DRC to propose an appropriate topic. Revised topic recommended by DRC to be routed through Dean School of Earth & Environmental Sciences for approval of Dean Research.

06.	Peer Jeelani I-Ph.D Whole-time Reg. No.57741-ANG-2008	Dr. Shamim Ahmad Shah	Identification and planning of potential tourism sites for sustainable tourism development in Kashmir Valley, India	Identification and planning of potential tourism sites for Environmentally friendly tourism development in Kashmir Valley, India	Topic modified.
07.	Latief Ahmad Hajam I-Ph.D Whole-time Reg. No.39329-A-2007	Dr. Javeed Ahmad Rather	Migration Patterns and Socio-Economic Transformation in Kashmir Valley: A District Level Analysis	Migration Patterns and Socio-Economic Transformation in Kashmir Valley: A District Level Analysis	
08.	Mohd Saleem Wani I-Ph.D Whole-time Reg. No.20257-PC-2010	Prof. Mohd Sultan Bhat	Environmental Sustainability of Tourism in Kashmir Valley: A Comparative analysis of Sonamarg & Doodhpathri	Environmental Sustainability of Tourism in Kashmir Valley: A Comparative analysis of Sonamarg & Doodhpathri	
09.	Mujtaba Ismail I-Ph.D Whole-time Reg. No.21860-PC-2011	Dr. Harmeet Singh	Micro-Level Planning for Livelihood Development in Leh District of Jammu & Kashmir	Micro-Level Planning for Livelihood Development in Leh District	Topic modified.

10.	Shafkat Ahsan I-Ph.D Whole-time Reg. No.10077-HD-2011	Prof. M. Sultan Bhat Dr. Akhtar Alam (Co-supervisor)	Impact of Climate Change on the Surface Hydrology of Kashmir, Jammu & Kashmir, India	Impact of Climate Change on the Surface Hydrology of Kashmir, Jammu & Kashmir, India	
11.	Mehraj Ahmad Teli I-Ph.D Whole-time Reg. No.16341-PC-2008	Prof. Mohd Sultan Bhat	Impact of Cropping Dynamics on Rural Economy of South Kashmir	Impact of Cropping Dynamics on Rural Economy of South Kashmir	
12.	Mohamamd Imran Ganaie I-Ph.D Whole-time Reg. No.12049-PC-2007	Dr. Ishtiaq A. Mayer Ex-Professor	Impact of Pesticides on water quality and human health conditions of South Kashmir- A Geo-Medical Analysis	Impact of Pesticides on water quality and human health conditions of South Kashmir-A Geo-Medical Analysis	
13.	Shabnum Rashid I-Ph.D Whole-time Reg. No.24984-SP-2006	Dr. Ishtiaq A. Mayer Ex-Professor	Geographic Analysis of Lung Cancer in Kashmir Valley	Geographic Analysis of Lung Cancer in Kashmir Valley	

14.	Aisha Dev I-Ph.D Whole-time Reg. No.56383-W-2010	Dr. Ishtiaq A. Mayer Ex-Professor	Occupational Environment and Health Hazards in Kashmir Valley, J&K	Occupational Environment and Health Hazards of Female Population in Kashmir Valley	I. Topic modified. II. DRC to propose Co-supervisor for the scholar.
15.	Shazia Nabi Ph.D Whole-time Reg. No.12867-PC-2007	Dr. G. M. Rather	Geographical analysis of Infant Morbidity in Kashmir Valley of Jammu and Kashmir, India	Geographical analysis of Infant Morbidity among different ethnic groups in Kashmir Valley	Topic modified.
16.	Irshad Ahmad Bhat Ph.D Whole-time Reg. No.12030-PC-2007	Dr. Parvez Ahmed	Landslide and Snow Avalanche Hazard Assessment along Mughal Road, Pir-Panjaj Range, North Western Himalaya	Landslide and Snow Avalanche Hazard Assessment along Mughal Road, Pir-Panjaj Range in Kashmir	Topic modified.

**Annexure-C****Department: Earth Science**

<b>S. No</b>	<b>Name of the scholar</b>	<b>Name of the Supervisor</b>	<b>Proposed topic of research</b>	<b>Approved topic of research</b>	<b>Remarks</b>
01.	Sareer Ahmad Mir I-Ph.D Whole-time Reg. No.42840-S-2009	Dr. Bikram Singh Bali  Dr. Vineet K Gahalau (Co-supervisor)	Seismic Hazard Potential in Kashmir Region from GPS Measurements of Crustal Deformation	Seismic Hazard Potential in Kashmir from GPS Measurements of Crustal Deformation	I. Topic modified II. Deptt. of Earth Science is required to submit a separate proposal regarding co-supervision of Dr. Vineet K Gahalaut Ministry of Earth Sciences, New Delhi alongwith following documents for consideration by competent authorities: i. C.V of the Teacher ii. Copies of appointment/ confirmation orders. iii. NOC from Employer. iv. DRC recommendations. III. In case Dr. Vineet K Gahalaut is already approved co-supervisor then copy of approval/ order required to be provided by the HOD to the Dean Research office.

02.	Mohsin Ahmad Ahanger I-Ph.D Whole-time Reg. No.44090-S-2010	Dr. Gh. Jeelani	Kinematics of Flow and Deformation Partitioning of Main Central Thrust Zone (MCTZ) in Kashmir Himalayas	Kinematics of Flow and Deformation Partitioning of Main Central Thrust Zone (MCTZ) in Kashmir Himalayas	
03.	Basharath Nabi I-Ph.D Whole-time Reg. No.42314-A-2009	Prof. Shakil Ahmad Romshoo Dr. Reyaz Ahmad Dar (Co-supervisor)	Assessing the Dynamic of Debris Covered Glaciers in a few Selected Glacier Basins of J&K	Assessing the Dynamics of Debris Covered Glaciers in a few Selected Glacier Basins of J&K	Topic modified.
04.	Ajaz Ahmad Parray I-Ph.D Whole-time Reg. No.44003-S-2010	Prof. Shakil Ahmad Romshoo	Streamflow partitioning of Upper Jhelum Basin under changing climate: Simulations and Observations	Streamflow partitioning of Upper Jhelum Basin under changing climate: Observations and Simulations	Topic modified.