



## **Directorate of Advanced Studies & Research**

### **Minutes of 24<sup>th</sup> Graduate Research Management Council Meeting (GRMC)**

The 24<sup>th</sup> GRMC Meeting was held online on April 28, 2020 (Tuesday at 11.30am due to Covid-19 pandemic. The meeting was chaired by Engr. Dr. Prof. Attaullah Shah, Vice Chancellor Karakorum International University, Gilgit-Baltistan, Gilgit. After the recitation from the Holy Quran by Dr. Muhammad Shahnawaz, Director Advanced Studies & Research. The worthy Vice Chancellor welcome the members of the GRMC and showed the resolve of the KIU team for continuing the education and research pursuits even during the Lock Down in wake of the COVID-19. Director KIU Graduate School Prof. Khalil Ahmad informed that the Online Synopsis Workshop was held on 18-20 April,2020 in which the MS students of different departments presented their research proposals, which were reviewed by the experts from various departments. The students were accordingly advised to incorporate the recommendations of the faculty and HoDs. In this context the efforts of Dr. Sajjad Ali for coordination of the Synopsis Workshop. The worthy Vice Chancellor also emphasized the members of the House to follow the recommendations of the august forum in true spirit.

#### **Approval of 23<sup>rd</sup> GRMC Meeting Minutes.**

The Minutes of 23<sup>rd</sup> GRMC meeting were presented by Dr Muhammad Shahnawaz, Director Advanced Studies & Research (DASR) presented the minutes 23<sup>rd</sup> GRMC meeting for any feedback/observation. The august House unanimously approved the minutes of 23<sup>rd</sup> GRMC.

### **Regular Agenda of 24<sup>th</sup> GRMC Meeting**

#### **DEPARTMENT OF EDUCATIONAL DEVELOPMENT**

**Agenda. No. 24.1:** Request for approval of research titles and supervisory committee of 7 M.Phil students

**Decision:** The house after detailed deliberations approved the following research titles and supervisory committees of M.Phil students.

<b>S#</b>	<b>Name and Reg. No.</b>	<b>Topic</b>	<b>Supervisory Committee</b>
<b>1</b>	Khurshid Alam 2018-KIU-0010	Perception of Teachers about the supervisory role of school principals in secondary schools in Gilgit-Baltistan.	1. Dr. Muhammad Ramzan 2. Dr. Ifzal Ahmed 3. Dr. Zahra Jabeen 4. Dr. Asif Khan
<b>2</b>	Syed Faridullah Shah 2018-KIU-0003	Perception and practices of mathematics teachers about learning of mathematics in mother tongue at primary level in Gilgit.	1. Dr. Zahra Jabeen (supervisor) 2. Dr. Asif Khan 3. Dr. Ammar Hussain 4. Dr. Dil Angaiz
<b>3</b>	Tehzeeb Ahmed 2018-KIU-0015	Perceptions of students and faculty about the role of co-curricular activities in developing students' academic self-efficacy at a public sector university in Gilgit-Baltistan	1. Dr. Zahra Jabeen (supervisor) 2. Dr. Asif Khan 3. Dr. Javed Iqbal 4. Dr. Dil Angaiz
<b>4</b>	Mahi Praveen 2018-KIU-0001	Exploring women leaders' experiences of mentoring to navigate their professional success: A narrative inquiry	1. Dr. Dil Angaiz (supervisor) 2. Dr. Ammar Hussain 3. Dr. Sadruddin Qutoshi 4. Dr. Asif Khan
<b>5</b>	Gulshan 2018-KIU-0014	Exploring the perceptions of parents and teachers about play and its role in early childhood development in Gilgit city.	1. Dr. Dil Angaiz (supervisor) 2. Dr. Sadiq Hussain 3. Dr. Asif Khan 4. Dr. Zahra Jabeen
<b>6</b>	Adiba Shaheen 2018-KIU-0070	Exploring perceptions of feeding mothers about culture as an enabler or barrier in ECD from birth to first three years.	1. Dr. Dil Angaiz (supervisor) 2. Dr. Faqeer Muhammad 3. Dr. Asif Khan 4. Dr. Zahra Jabeen
<b>7</b>	Shamim Bano 2018-KIU-0009	Challenges in developing speaking skills of the students in multilingual classrooms at secondary	1. Dr. Sadruddin Qutoshi (supervisor) 2. Dr. Faqeer Muhammad 3. Dr. Asif Khan

		level: Perceptions and practices of English language teachers (ELTS) in Gilgit, Pakistan.	4. Dr. Dil Angaiz
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**Action to be taken by:** Relevant HoD may inform the student to initiate their research work.

### **Agenda No. 24.2: Request for extension of 3 M.Phil students**

**Decision:** After detailed deliberations, the house referred the case to Time Extension Committee for seeking expert recommendations.

<b>S#</b>	<b>Name and Reg. No</b>	<b>Supervisor</b>	<b>Research Topic</b>	<b>Supervisory Committee</b>
<b>1</b>	Ms. Zarina Begum 2015-KIU-1157	Dr. Asif Khan	Not applicable	Not applicable
<b>2</b>	Mr. Qasim Ali 2015-KIU-1151	Dr. Asif Khan	Not applicable	Not applicable
<b>3</b>	Ms. Gul Zahra 2015-KIU-1149	Dr. Qutoshi	A case study on exploring the perceptions and practices of secondary school head teachers regarding their pedagogical role in school improvement in Gilgit.	1. Dr. Qutoshi 2. Dr. Fatima (external) 3. Dr. Asif 4. Dr. Dil Angaiz

**Action to be taken by:** Convener extension committee and HoD

### **1. DEPARTMENT OF BIOLOGICAL SCIENCE**

**Agenda. No. 24.3 :** Request for approval of research titles and supervisory committee of 9 MS students.

**Decision:** The august forum approved the research titles and supervisory committees of the following M.Phil students.

<b>S#</b>	<b>Name and Reg. No.</b>	<b>Topic</b>	<b>Supervisory Committee</b>
<b>1</b>	Hina Kali 2019-KIU-7018	Soil free living nematode community and selected physico chemical properties associated with different land uses of jutial nallah, Gilgit Baltistan.	Dr. Samina mumtaz : supervisor Dr. Maisoor Ahmed : Member Dr. Akbar Khan : Member
<b>2</b>	Amber Nawaz 2018-KIU-0028	Nutritional Status Assessment And Dietary Intake Of Pregnant Women In Third Trimester Visiting Of DHQ Hospital Chilas, Gilgit	Dr. Maisoor Ahmed : supervisor Mrs. Khoula Begum: Co-Supervisor Dr. Akber Khan : member Dr. Sajida Asghar : Member
<b>3</b>	Farheen Ali 2019-KIU-7194	Ascertaining The Magnitude Of Heavy Metals And Dietary Mineral In Potable Water Sources And Their Possible Impact On Mental Health Of Inhabitants Of Some Selected Localities Of District Ghizer	Dr. Maisoor Ahmed : supervisor Dr. Akber Khan : member Dr. Sajida Asghar : Member
<b>4</b>	Huda Khan 2019-KIU-7016	Exploring The Immunity Patterns Of Covid-19 Recovered Patients In Giltit Baltistan, Pakistan	Dr. Maisoor Ahmed : supervisor Dr. Akber Khan : member Dr. Sajida Asghar : Member
<b>5</b>	Nasreen 2019-KIU-7172	Effect Of Age And Gender On The Blood Hematological Parameters In Baltistani Breed Goats In Some Selected Areas Of District Skardu, Baltistan Pakistan	Dr. Maisoor Ahmed : supervisor Dr. Akber Khan : member Dr. Sajida Asghar : Member

6	Ghulam Abbas 2019-KIU-7011	Geostatistical Analysis for Spatial Distribution of Anaemia among Women of Reproductive Age and Determinant Factors	Dr. Azhar Hussain: supervisor DR. Khalil Ahmed: member Dr. Akbar khan :member
7	Sakhi Ghulam 2019-KIU-7022	Diversity and Distribution Of Avian Fauna In Different Habitats Of Skardu, Baltistan (Cknp) Gilgit Baltistan	Dr. Akbar Khan: Supervisor Dr Muhammad Zafar: Co-supervisor Dr. Khalil Ahmed: member
8	Shaheen Kausar 2019-kiu-7013	Effectiveness Of Wound Debridement And Healing Of Injuries With The Use Of Maggots, The Larvae Of House Fly	Dr. Maisoor Ahmed : supervisor Dr. Akber Khan : member Dr. Sajida Asghar : Member
9	Nasir Abbas 2019-kiu-7145	Avian Diversity, abundance, and distribution pattern along with KKH areas in District Nagar, Gilgit Baltistan, Pakistan	Dr. Akbar Khan: Supervisor Dr Muhammad Zafar: Co-supervisor Dr. Khalil Ahmed : member

**Action to be taken by:** Relevant HoD may inform the student to initiate their research work.

**Agenda Item No.24.4 :** Request for conferring MS degree of 2 MS students.

**Decision:** The house conferred to award M.Phil degree in respect of the following students subject to furnishing the following deficient documents to DASR office before notification. The CoE shall notify once the required documents are endorsed by the DASR.

**a. Requisite documents**

- i. Transcript Course work completion with required CGPA.
- ii. Black Bound Thesis Copy of each student hard as well as soft/CD.
- iii. DGSC proof for incorporation of evaluators' comments/Corrections.
- iv. Thesis evaluation form original signed with official seal by Board of Examination including external examiner.
- v. Letter nomination to external examiner for Viva by Controller of Exam.

**b. Students:**

- i. Jawaria shakeel, Reg. No. KIU-587-2009. Title: Physio- chemical Assessment of waste water at Gilgit. Prof. Dr. Khalil Ahmed supervisor
- ii. Shujaat Ali, Reg. No. kiu-2015-1128. Title: isolation and genetic analysis of common pathogenic bacteria in drinking water of urban areas of Gilgit Baltistan . Dr. Imtiaz Ahmed Khan supervisor

**Action to be taken by:** Relevant HoD/DASR/CoE.

**Additional Agenda No. 24.4A:** Request for approval of minor changes in the research title of MS students Ms. Rubina Bano, Reg. No. 2018-KIU0026.

**Previous title:** Assessment of Human Wild life conflict in Misghar valley of Gilgit Baltistan.

**Proposed New title:** Human-wildlife conflict and predation pattern in Misghar valley, District Hunza, Gilgit.

Supervisory Committee: Dr. Akbar Khan, supervisor and Dr. Saeed Abbas: Co supervisor

**Decision:** The august forum approved the new title and supervisor committee.

**Action to be taken by:** HoD/DASR

### **3.DEPARTMENT OF CHEMISTRY**

**Agenda No. 24.5:** Request for conferring of M.Phil degree to Mr. Abdul Razaq Reg. No. 2011-KIU-647.

**Decision:** The house conferred to award M.Phil degree in respect of Mr. Abdul Razaq Reg. No. 2011-KIU-647 subject to furnishing the following deficient documents to DASR office before notification. The CoE shall notify once the required documents are endorsed by the DASR.

1. Transcript Course work completion with required CGPA.
2. Black Bound Thesis Copy of each student hard as well as soft/CD.
3. DGSC proof for incorporation of evaluators' comments/Corrections.
4. Thesis evaluation form original signed with official seal by Board of Examination including external examiner.
5. Letter nomination to external examiner for Viva by Controller of Exam.

**Action to be taken by:** HoD/DASR/CoE

**Agenda 24.6:** Request for approval of research titles and supervisory committee of 7 MS students.

**Decision:** The august forum approved the research titles and supervisory committees of the following M.Phil students subject to provision of CV and consent letter from co-supervisors being outside from KIU to DASR office.

S#	Name and Reg. No.	Topic	Supervisory Committee
1	Mr. Muhammad Hasnain 2019-KIU-7026	Phytochemical Investigation of Selected Aromatic Herbal Plants Available in Gilgit Baltistan	1. Dr. Shamsheer Ali, Supervisor 2. Dr. Shabir Hussain, Member
2	Ms. Kanwal 2019-KIU-7149	Standardization studies on major principles of Mentha species from Gilgit-Baltistan	1. Dr. Sajjad Ali, Supervisor 2. Prof. Dr. Syed Ghulam Musharaf, HEJ, University of Karachi Co-supervisor
3	Ms. Shela Batool 2019-KIU-7114	Computational investigation on sensing potential of luminescent probes for VOCs	1. Dr. Manzoor Hussain, Supervisor 2. Dr. Zaheer ul Haq Qasimi, Member
4	Ms. Rubab Illiyas Reg No.....?	Phytochemical and biological investigation on nepeta adenophyta hedge, a herbal remedy endemic to Astore	1. Dr. Iftikhar Ali, Supervisor 2. Member??
5	Ms. Atiqa Sulaiman Reg.....?	Phytochemical Investigation and Biological Aspects <i>Rhododendron hypenanthum</i> from Astore valley	1. Dr. Ishtiaq Hussain Ali, Supervisor 2. Member?
6	Ms. Khashifa Malik Reg. ....?	Phytochemical Investigation and Biological Aspects <i>Rhododendron hypenanthum</i> from Astore valley	1. Dr. Ishtiaq Hussain Ali, Supervisor 2. Member?
7	Mr. Waheedur Rehman Reg.....?	Phytochemical and Biological Studies on <i>Gentianodes tianschanica</i>	1. Dr. Sajjad Ali, Supervisor 2. Prof. Dr. Muhammad Iqbal Choudhry, HEJ Research Institute of Chemistry, Member

**Note:** No registration numbers of serial No. 4-7 were provided; therefore, their time period could not be indicated. If they are old students and time limit bared, then their titles and supervisory committee is not approved and the cases will be referred to Time Extension Committee.

**Action to be taken by:** HoD/DASR/Chair Time Extension Committee

#### 4. DEPARTMENT OF ENVIRONMENTAL SCIENCES

**Agenda-24.7:** Request for approval of research titles and supervisory committee of 13 MS students.

**Decision:** The august forum approved the research titles and supervisory committees of the following MS student subject to provide feedback to the Research Monitoring committee.

S. #	Name and Reg. No	Topic	Supervisory Committee
1.	Mr. Saif Ud Din 2019-KIU-7036	Health Risk Assessment Of Heavy Metals In Some Indigenous Fresh Fruits Of District Gilgit, Gilgit-Baltistan	Supervisor: Dr. Shaukat Ali Member. Dr. Farida Begum Member: Dr. Maisoor Ahmed
2.	Mr. Hassan Abbas 2019-KIU-7156	Distribution Status And Habitat Assessment Of Blue Sheep ( <i>Pseudois Nayaur</i> ) In Shimshal Valley District Hunza, Gilgit-Baltistan	Supervisor: Dr. Shaukat Ali Co- Supervisor: Dr. Muhammad Akbar Member: Dr. Haibat Ali Member: Dr. Garee Khan
3	Mr. Khadim Abbas 2019-KIU-7042	Field Based Above Ground Biomass Measurements Of Rangelands In Deosai, District Skardu	Supervisor: Dr. Shaukat Ali Co- Supervisor Dr. Muhammad Akbar Member Dr. Karamat Ali Member: Dr. Sher Wali
4	Ms. Sobia Kiran 2019-KIU-07111	Bio-Monitoring of Water Quality Indicators Using Associated Flora In District Gilgit And Nagar, Gilgit-Baltistan	Supervisor: Dr. Shaukat Ali Co- Supervisor Dr. Sujjad Hyder Member: Dr. Farida Begum Member: Dr. Sher Wali
5	Sumeria Safdar 2019-KIU-7043	Level of Preparedness of the Schools for Disasters from The Aspect of School Students and Principals in Gilgit City, Pakistan	Supervisor: Dr. Karamat Ali Prof. Dr. Attaullah Shah Member: Amjad Ali

<b>S. #</b>	<b>Name and Reg. No</b>	<b>Topic</b>	<b>Supervisory Committee</b>
6	Fozia Hussain 2019-KIU-7038	Variation In Soil Organic Carbon Stock, Micro-Arthropod Community And Physico-Chemical Properties Under Different Crop Cover In Oshikhandas Valley, Central Karakoram	Supervisor: Dr. Farida Begum Member: Dr. Haibat Ali Member: Dr. Samina Mumtaz
7	Samreen Liaqat 2019-KIU-7041	A Study Of Household Energy Sources And Associated Health Effects Due To Indoor Air Quality In Selected High Altitude Villages Of Gilgit-Baltistan	Supervisor: Dr. Farida Begum Co-supervisor: Mr. Waqar (GB EPA) Member: Dr. Shaukat Ali Member: Dr. Manzoor Ali
8	Bushra Ansari 2019-KIU07201	Evaluation of Agricultural water quality and climate vulnerability of irrigation system in Oshikhandas valley, Gilgit Baltistan	Supervisor: Dr. Farida Begum Co-supervisor: Dr. M. Zafar Khan Member: Prof. Dr. Moazzam Nizami
9	Usama Rehmat 2019-KIU-7040	Monitoring Of Ambient Air Quality In Gilgit City Before And After Lock Down Due To Covid-19 Pandemic	Supervisor: Dr. Farida Begum Co-supervisor: Mr. Iqtidar Member: Dr. Shaukat Ali Member: Mr. Waqar (EPA GB)
10	Muneer Alam 2019-KIU-7130	Impact of Crop Intensification On Soil Quality, Organic Carbon Stock And Climate Vulnerability Of Agricultural System In Upper Haramosh Gilgit Pakistan	Supervisor: Dr. Farida Begum Member: Dr. M. Zafar Khan Member: Prof. Dr. Moazzam Nizami
11	Jubilee Rani 2019-KIU-7184	Assessment Of Macro Invertebrates Assemblages And Water quality At Selected River Dam Lakes Of Gilgit-Baltistan	Supervisor: Dr. Farida Begum Member: Dr. Shaukat Ali Member: Dr. Arshad Ali Shedayi
12	Shafiq Ali 2019-KIU-7044	Assessment of Heavy Metals in Selected Medicinal Plants of Ghizer Gilgit Baltistan	Supervisor: Dr. Haibat Ali Member: Dr. Sajjad Ali Member: Dr. Sher Wali

S. #	Name and Reg. No	Topic	Supervisory Committee
13	Ashiq Hussain 2019-KIU-7191	Assessment of Antioxidant Activity And Phenolic Content of Medicinal Plants Commonly Used In Northern Pakistan	Supervisor: Dr. Hiabat Ali Member: Dr. Sajjad Ali Member: Dr. Sher Wali

**Action to be taken by:** HoD/Supervisor/RM Committee

**Agenda-8:** Request for extension of 4 MS students

1. Mr. Imran Khan (session: 2015-2017) has requested one-year extension from June 2019-June 2020. Mr. Imran had an open heart surgery and was completely on bed rest for long time as advised by doctors. Moreover, Mr. Imran has submitted his final thesis endorsed by the supervisor along with the application. Keeping in view the medical ground and submission of his final thesis in the department, the Departmental council recommended one-year extension.
2. Ms. Shameen Zafar (session 2017-2019) has requested one semester extension endorsed by the supervisor. The supervisor has assured that her thesis will be ready for external review before June, 2020.
3. Ms. Qandeel Zhara, session 2017-2019 has requested one semester extension which was endorsed by the relevant supervisor. Ms. Qandeel Zahra thesis will be ready for external review in May 2020.
4. Mr. Nasir Hussain, session 2017-2020 has requested for one semester extension which as endorsed by the relevant supervisor.

**Decision:** After detailed deliberations, the house referred the case to Time Extension Committee for seeking expert recommendations.

**Action to be taken by:** Extension Committee

**Agenda-24.9:** Request for conferring of MS degree to Mr. Jamal Hussain Reg. No. 2013-KIU-845

**Decision:** The house conferred to award M.Phil degree in respect of Jamal Hussain Reg. No. 2013-KIU-845 subject to furnishing the following deficient documents to DASR office before notification. The CoE shall notify once the required documents are endorsed by the DASR.

1. Transcript Course work completion with required CGPA.
2. Black Bound Thesis Copy of each student hard as well as soft/CD.

3. DGSC proof for incorporation of evaluators' comments/Corrections.
4. Thesis evaluation form original signed with official seal by Board of Examination including external examiner.
5. Letter nomination to external examiner for Viva by Controller of Exam.

**Action to be taken by:** HoD/DASR/CoE

## 5. MATHEMATICAL SCIENCES

**Agenda-24.10:** Request for conferring of MS degree of Mr. Zafar Hussain and Mr. Abdul Naqeeb.

**Decision:** The house conferred to award MS degree in respect of Mr. Zafar Hussain, Reg. No. 2015-KIU-1178 and Mr. Abdul Naqeeb Reg. No. 2013-KIU-831 subject to furnishing the following deficient documents to DASR office before notification. The CoE shall notify once the required documents are endorsed by the DASR.

1. Transcript Course work completion with required CGPA.
2. Black Bound Thesis Copy of each student hard as well as soft/CD.
3. DGSC proof for incorporation of evaluators' comments/Corrections.
4. Thesis evaluation form original signed with official seal by Board of Examination including external examiner.
5. Letter nomination to external examiner for Viva by Controller of Exam.

**Agenda-24.11:** Request for approval of research titles and supervisory committee of 3 PhD and 16 M.Phil students.

**Decision:** The august forum approved the research titles and supervisory committees of the following MS students subject to provision of CV and consent letter from co-supervisors being outside from KIU to DASR.

### Details of Ph.D students

S. #	Name	Topic	Supervisory committee
1	Mr. Mujeebur Rahman 2015-KIU-1197	Modelling of entropy generation in nano-fluid flows over rotating and stretching geometries	1. Dr. Asad Ullah (Supervisor) 2. Prof. Dr. Tasawar Hayat, QAU Islmbd (Co-supervisor) 3. Dr. Suhail Abbas (Member) 4. Dr. Fazal Wahab (Member)

2	Mr. Safdar Hussain 2015-KIU-1195	Analytical and Numerical Solutions of Nonlinear Allen Cahn and Cahn Hilliard Equations	1. Dr. Asad Ullah (Supervisor) 2. Dr. Abdullah Shah, CUI (Co-supervisor) 3. Dr. Suhail Abbas (Member) 4. Dr. Fazal Wahab (Member)
3	Mr. Fazal Haq 2015-KIU-1196	Nonlinear mathematical models in nanofluid flows over stretching geometries	1. Dr. Asad Ullah (Supervisor) 2. Prof. Dr. Tasawar Hayat, QAU Islmbd (Co-supervisor) 3. Dr. Suhail Abbas (Member) 4. Dr. Fazal Wahab (Member)

### **Details of MS students**

<b>S. #</b>	<b>Name</b>	<b>Proposed thesis title</b>	<b>Supervisory committee</b>
1	Muhammad Qasim 2019-KIU-7049	Study on the topological properties of some nanostructures	1. Dr. Asad Ullah (Supervisor) 2. Dr. Suhail Abbas (Member) 3. Dr. Fazal Wahab (Member)
2	Muneer Ahmed 2019-KIU-7104	Entropy measures on q-Rung Orthopair fuzzy sets and its application to Multi Criteria Decision Making with Orthopairian fuzzy TOPSIS	1. Dr. Zahid Hussain (Supervisor) 2. Mr. Noorul Amin (Member) 3. Dr. Gul Jabeen (Member)
3	Shah Jahan 2019-KIU-7057	Computation of certain topological indices of different molecular graphs	1. Dr. Asad Ullah (Supervisor) 2. Dr. Suhail Abbas (Member) 3. Dr. Fazal Wahab (Member)

4	Sania Zahra 2019-KIU-7119	A novel distance and similarity measure of hesitant fuzzy sets with application to pattern recognition and multicriteria decision making with fuzzy TODIM	<ol style="list-style-type: none"> <li>1. Dr. Zahid Hussain (Supervisor)</li> <li>2. Mr. Noorul Amin (Member)</li> <li>3. Dr. Gul Jabeen (Member)</li> </ol>
5	Aurang Zeb 2019-KIU-7056	Computation of topological indices for Quantitative structure property relationship analysis (QSPR) of some chemical structures	<ol style="list-style-type: none"> <li>1. Dr. Asad Ullah (Supervisor)</li> <li>2. Dr. Suhail Abbas (Member)</li> <li>3. Dr. Fazal Wahab (Member)</li> </ol>
6	Saima Nasir 2019-KIU-7050	New Distance and Similarity Measure Based on Pythagorean Fuzzy Sets and Its Application in Multicriteria Decision Making using ELECTRE Method	<ol style="list-style-type: none"> <li>1. Dr. Zahid Hussain (Supervisor)</li> <li>2. Mr. Noorul Amin (Member)</li> <li>3. Dr. Gul Jabeen (Member)</li> </ol>
7	Sharifa 2019-KIU-7053	A graph-theoretic study for similarity analysis of DNA sequences	<ol style="list-style-type: none"> <li>1. Dr. Asad Ullah (Supervisor)</li> <li>2. Dr. Suhail Abbas (Member)</li> <li>3. Dr. Fazal Wahab (Member)</li> </ol>
8	Noreen Zahra 2019-KIU-7143	Similarity measure of q-rung orthopair fuzzy sets based on $L_p$ metric and its application to multicriteria decision making and clustering	<ol style="list-style-type: none"> <li>1. Dr. Zahid Hussain (Supervisor)</li> <li>2. Mr. Noorul Amin (Member)</li> <li>3. Dr. Gul Jabeen (Member)</li> </ol>

		with Pythagorean VIKOR	
9	Sherbaz Alam 2019-KIU-7118	New similarity measure of Pythagorean fuzzy sets based on the Jaccard index with its application to clustering	<ol style="list-style-type: none"> <li>1. Dr. Zahid Hussain (Supervisor)</li> <li>2. Mr. Noorul Amin (Member)</li> <li>3. Dr. Gul Jabeen (Member)</li> </ol>
10	Bashir Ahmed 2019-KIU-7048	Numerical and Analytical Investigation of MHD Peristaltic Flow with Entropy Generation	<ol style="list-style-type: none"> <li>1. Dr. Shams-ur-Rehman (Supervisor)</li> <li>2. Dr. Munawer Ali Abbas, UoB,Skardu (Co-supervisor)</li> <li>3. Dr. Sabina Shahin (Member)</li> <li>4. Dr. Sher Zaman (Member)</li> </ol>
11	Yasmeen Bano 2019-KIU-7051	Similarity measure between q-rung orthopair fuzzy sets based on below, above and centre fuzzy sets with applications to pattern recognition and multi criteria decision making with Orthopairian TODIM	<ol style="list-style-type: none"> <li>1. Dr. Zahid Hussain (Supervisor)</li> <li>2. Mr. Noorul Amin (Member)</li> <li>3. Dr. Gul Jabeen (Member)</li> </ol>
12	Farida Khanum 2019-KIU-7128	Similarity Measure Between Pythagorean Fuzzy Sets Based on Lower, Upper and Middle Fuzzy Sets with Applications To Pattern Recognition and Multicriteria Decision Making with Fuzzy TODIM	<ol style="list-style-type: none"> <li>1. Dr. Zahid Hussain (Supervisor)</li> <li>2. Mr. Noorul Amin (Member)</li> <li>3. Dr. Gul Jabeen (Member)</li> </ol>



13	Hafeeza Afzal 2019-KIU-7167	Similarity Measures of Pythagorean Fuzzy Sets Based on Lp Metric and its Application to Multicriteria Decision Making with Pythagorean VIKOR and Clustering.	1. Dr. Zahid Hussain (Supervisor) 2. Mr. Noorul Amin (Member) 3. Dr. Gul Jabeen (Member)
14	Manzoor Hussain 2019-KIU-7120	Novel Entropy Measure of a Fuzzy Set and its Application to Multicriteria Decision Making with Fuzzy TOPSIS	1. Dr. Zahid Hussain (Supervisor) 2. Mr. Noorul Amin (Member) 3. Dr. Gul Jabeen (Member)
15	Hameed Ali 2019-KIU-7107	Development of an optimal method for complete description of 3d grain topology using spectral graph theory	1. Dr. Asad Ullah (Supervisor) 2. Dr. Suhail Abbas (Member) 3. Dr. Fazal Wahab (Member)
16	Riasat Ali 2019-KIU-7046	To propose new divergence model in intuitionistic fuzzy sets and its application in decision making	1. Dr. Shams-ur-Rehman (Supervisor) 2. Dr. Zahid Hussain (Co-supervisor) 3. Dr. Sher Zaman (Member)

**Action to be taken by:** HoD/DASR

## 5. IMARC

**Agenda-12:** Request for conversion of PhD into MS degree in Environmental Sciences for Ex-IMARC student Mr. Muhmmad Essa, Reg. No. 2012-KIU-616.

**Preamble:** Consequent upon the application of Mr. Mohammad Essa (Ex-IMARC PhD scholar under Regd. No. 2012-KIU-611 for award of MPhil (Environmental Science) degree instead of PhD. The competent authority constituted a committee vide No: KIU-Adm1(1)/2020/41566 dated March 11<sup>th</sup> 2020. The committee held its meeting on 23<sup>rd</sup> April 2020 to discuss the case in detail. The committee after detailed discussion and checking the evidences provided, realized that existing Graduate Rules are silent with respect to conversion of PhD

Degree to MS Degree. However, the relevant statutory body/Committee may revise the rule to resolve such type of cases in future. Hence, the committee recommended the following;

1. The case of Mr. Essa should be sent to GRMC for approval from the statutory body.
2. As candidate he has already passed 21 credit hours and the requirement for award of MS Environmental Science Degree is 24 credit hours (Course work). Therefore, if GRMC allows him to convert his course work to MS degree, he must enroll at least 1 course of 3 credit hours.
3. The PhD research supervisor of the scholar was from outside university, so a supervisor from University with relevant expertise must be approved along with title of his same research for MS Environmental Science Degree.
4. Moreover, committee also recommended that this is a special case w.r.t SEED Scholar of IMARC so this may not be taken as precedence in future.

**Decision:** The house unanimously decided the following, however, DASR suggested first amend the graduate rules as per laydown procedures then make the decision.

1. The student may newly register himself for MS in spring semester 2020 as the old registration cannot be endorsed which was made in 2012.
2. Deficiency course (s) shall be taught by the student. The Equivalence Committee/DGSC may propose the core course (s).
3. New synopsis/Modifications in the previous synopsis can be made by the student on the recommendation of Research Monitoring Committee/Supervisory committee.
4. The Supervisor shall be from KIU whereas the co-supervisor can be from outside the department/KIU.

**Action to be taken by:**

HoD Environmental Science/RM Committee/Equivalence Committee

## **7.CONTROLLER OF EXAMINATION**

**Agenda-24.13:** Request for approval of thesis evaluation Proforma regarding process in between Dean and Controller of Examination office.

**Decision:** The august forum unanimously approved the format given at Annex-1

**Action to be taken by:** CoE/Deans

## 8. DEPARTMENT OF BUSINESS MANAGEMENT

**Agenda-24.14:** Request for approval of research titles and supervisory committee of 2 M.Phil students.

**Decision:** The august forum approved the research titles and supervisory committees of the following 2 MS students subject to provision of full synopsis duly endorsed by Research Monitoring Committee.

S. #	Name	Proposed thesis title	Supervisory committee
1	Shakeel Anjum Reg. No. 2019-KIU-7186	Impact of Abusive Supervision on Job Performance: Mediating role of Ostracism and Moderating role of Emotional Intelligence	1. Dr. Ifzal Ahmad Supervisor 2. Member---? 3. Member..?
2	Ghafar Khan Reg. No. 2019-KIU-7175),	Factors influencing the Organizational Loyalty of Employees at Non-Governmental Organizations in Gilgit-Baltistan – A Case of NGOs Working in Development Sector	1. Dr. Sajjad Haider, Supervisor 2. Member...? 3. Member..?

**Action to be taken by:** Relevant HoD/RM Committee

## 9. ADDITIONAL AGENDA

The Vice Chancellor informed that in view of the prevalent situations due to COVID-19, where physical movement of the students, who have passed their Viva/Final Exams, the various requirements like hard bond thesis reports etc. can't be fulfilled. Hence the endorsement of their degrees may be provisionally made by GRMC, subject to fulfillment of the requisites as per standard procedure. The house agreed to the proposal and subsequently the following two cases of the department of department of Agriculture and Food Technology were considered for endorsement by GRMC.

## **DEPARTMENT OF AGRICULTURE & FOOD TECHNOLOGY**

**Agenda. No. 24.15:** Request for conferring of MS degree to Mr. Abdur Raheem Reg. No. 2017-KIU-3040 and Mrs. Huma Batool Reg. No. 2011-KIU-648

**Decision:** The House conferred to award MS degree in respect of Mr. Abdur Rahim Reg. No. 2017-KIU-3040 and Mrs. Huma Batool Reg. No. 2011-KIU-648 subject to furnishing the following deficient documents to DASR office before notification. The CoE shall notify once the required documents are endorsed by the DASR.

1. Transcript Course work completion with required CGPA.
2. Black Bound Thesis Copy of each student hard as well as soft/CD.
3. DGSC proof for incorporation of evaluators' comments/Corrections.
4. Thesis evaluation form originally signed by Board of Examination including external examiner.
5. Letter to external examiner for Viva by Controller of Exam.

**Action to be taken by:** Relevant HoD/DASR/CoE

**Special Note:** It was resolved that the above all approvals of synopsis and endorsement of degrees etc. are subject to payment of fee dues and fulfilling other requirements. The details of fee may be collected from the Director KIU Graduate Schools and the students may be advised to deposit their dues. The approval shall be communicated to them, once this is completed.

In his concluding remarks, the Chair emphasized over the quality, relevance and timely completion of research work as well as keeping the number of supervised students within the approved limit of the HEC. This point has also been stressed during the recent peer review of MS/PhD programs by HEC. He shared with the august house that a rigorous research monitoring system has been developed under KIU Graduate School (KGS), to track the progress of the research by MS/PhD students so that they can complete their research within given time.

The worthy Vice Chancellor also desired that for PhD research monitoring committee, at least one member must be selected from renowned Universities across the country, having strong research background in the areas of research. This would create more collaboration of KIU with other research institutes of high repute. He advised the DASAR and Dir QEC to propose any amendment in the Graduate Rules for approval of the relevant Statutory Body, where required.

The meeting ended with the vote of special thanks by the chair for sparing time for a holistic task during Covid-19 pandemic and expected that the GRMC, will continue with the same zeal and commitment to promote quality graduate education and research in the region by KIU.

Submitted for Approval please

**(Dr. Muhammad Shahnawaz)**

Director Advanced Studies & Research.

### **Vice Chancellor**

Thanks and Jazak Allah, Director Advanced Studies and Research for prompt action. I have incorporated some of my amendments and the draft is accordingly approved for notification and information of the HoDs and relevant offices/ students. **( All relevant offices to follow the actions)**

An online review meeting shall be held to track the progress on various resolutions on the agenda points preferably on 10<sup>th</sup> May, 2020 in which the relevant offices will give progress of action taken on various resolution. **(Dir KGS to provide report)**

May Allah SWT bless us all and our families with peace in the Holy Month and the whole humanity is emancipated from the pandemic COVID-19- Ameen Summa Ameen.



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**( Engr. Prof. Dr. Attaullah Shah)**

**Dated: May 02,2020**

**Dr. Muhammad Shah Nawaz**

**Director Advance Studies and Research**

