

Minutes of the 55th Meeting of the Advanced Studies & Research Board, University of Malakand

The 55th meeting of the Advanced Studies & Research Board was held on February 25, 2020 at 09:30 A.M. in the Committee Room. The following attended the meeting:

- 1. Prof. Dr. Gul Zaman** Vice-Chancellor (Chairperson)
- 2. Prof. Dr. Mir Azam Khan** Acting Dean, Faculty of Management Sciences Member
- 3. Prof. Dr. Rashid Ahmad** Acting Dean, Faculty of Education Member
- 4. Prof. Dr. Arab Naz** Dean, Faculty of Social Science Member
- 5. Prof. Dr. Atta ur Rehman** Dean, Faculty of Arts & Humanities Member
- 6. Dr. Muhammad Usman** Assistant Professor, Department of Commerce & Management Sciences Member
- 7. Dr. Arif Ullah** Assistant Professor, Department of Physics Member
- 8. Dr. Aftab Ali Shah** Assistant Professor, Department of Biotechnology Member
- 9. Dr. Muhammad Abdul Haq** Associate Professor, GPGC, Khar Bajaur Member
- 10. Dr. Israr Ahmad** Associate Professor, GPGC, Dargai, Malakand Member
- 11. Dr. Izaz Ahmad** Associate Professor, GDC Gulabad, Dir Lower Member
- 12. Dy.Registrar** University of Malakand as Secretary

After recitation of verses from the Holy Qura'n by Prof. Dr. Ata-Ur-Rahman the Vice-Chancellor welcomed the members of ASRB and allowed the secretary to present the Agenda items wise for consideration of the board. The following agenda items were taken for consideration:

ITEM NO 01: **APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. OBAID ULLAH, M. PHIL SCHOLAR, DEPARTMENT OF CHEMISTRY**

The Board approved the M.Phil. Course Work of the scholar. The Scholar concerned in the presence of his research supervisor presented his research work before the ASRB. The Board approved research topic of the scholar titled

“Isolation and Characterization of Secondary Metabolites from Myrtus Communis Linn”

The Board also approved the research synopsis. However, the (ii) & (iii) aim and objective shall be rephrased and a certificate to the effect shall be obtained from Dr. Aftab Ali Shah to remove the minor changes and to get a certificate to the effect which must be submitted to the Admissions Section for record

ITEM NO 02: **APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MS. AMRINA BIBI, M. PHIL SCHOLAR, DEPARTMENT OF CHEMISTRY**

The Board approved the M.Phil. Course Work of the scholar. The Scholar concerned in the presence of her research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Isolation and Characterization of Secondary Metabolites from Saussurea Albescens”

The Board also approved the research synopsis. However, the style shall be of the standard writing format and a certificate shall be obtained from Prof. Dr. Manzoor Ahmad to remove the minor changes which must be submitted to the Admissions Section for record

ITEM NO 03: **APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MS. SOBIA AMIN, M. PHIL SCHOLAR, DEPARTMENT OF CHEMISTRY**

The Board approved the M.Phil. Course Work of the scholar. The Scholar concerned in the presence of her research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Isolation and Characterization of Alkaloids: Study of Aconitum Chasmanthum”

The Board also approved the research synopsis.

ITEM NO 04: **APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. ALTAF HUSSAIN, M. PHIL SCHOLAR, DEPARTMENT OF CHEMISTRY**

The Board approved the M.Phil. Course Work studied by of the scholar. However, the M.Phil/PhD coordinator of the department shall be asked to clarify the courses studied mentioned in the course work certificate issued to the scholar concerned for perusal of the competent authority.

The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Unsymmetrical Thiourea Derivatives and Their Au/Ag/Cu(I)Complexes, for Potential Biological Applications”

The Board also approved the research synopsis.

ITEM NO 05: **APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MS. MEHNAZ BIBI, PH. D SCHOLAR, DEPARTMENT OF CHEMISTRY**

The course work mandatory for a Ph.D. degree was found satisfactory and was, therefore, approved.

The Scholar concerned in the presence of her research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Investigation of the Synergistic Effect of Doped Metals on the Catalytic, Electronic and Magnetic Properties of Ferrites”

The Board also approved the research synopsis. However, the word *“the”* shall be added before hydrogen in the (iii) aims and objectives of the Synopsis. Further to remove the minor changes a certificate to this effect shall be obtained from Dr. Aftab Ali Shah which must be submitted to the Admissions Section for record.

ITEM NO 06: **APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. MUHAMMAD ISRAR, M. PHIL SCHOLAR, DEPARTMENT OF CHEMISTRY**

The Board approved the M.Phil. Course Work studied by of the scholar. However, the M.Phil/PhD coordinator of the department shall be asked to clarify the courses studied mentioned in the course work certificate issued to the scholar for perusal of the competent authority.

The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Quantum Chemical Calculation of Atomic Layer Deposition of Zinc Oxide on Silicon/Silicon Dioxide Surface”

The Board further directed the scholar to, aims and objectives shall be properly linked and correlated in the synopsis and shall be re-presented in the next meeting of the Board. However, there is no need of the supervisor to be presented in the next presentation of the scholar

ITEM NO 07: **APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. ADNAN ALI KHAN, PH. D SCHOLAR, DEPARTMENT OF CHEMISTRY**

The course work mandatory for a Ph.D. degree was found satisfactory and was, therefore, approved.

The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB titled

“First Principles Study of Quinone Derivatives Conjugated Polymers Electrode Materials for Magnesium Ion Batteries”

The Board approved the research topic and synopsis of the scholar.

ITEM NO 08: **APPROVAL OF RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. SHAHID ALI, M. Phil SCHOLAR, DEPARTMENT OF BIOTECHNOLOGY**

The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Effect of Mulching Technology on Heavy Metals Hyperaccumulation in Pteris Vittata Plant Under Drought Stress”

The Board also approved the research synopsis.

ITEM NO 09: **APPROVAL OF RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. RIZWAN AHMAD, M. Phil SCHOLAR, DEPARTMENT OF BIOTECHNOLOGY**

The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled.

“The Effect of Straw on Accumulation of Heavy Metals and Drought Response in Rice (Oryza Sativa L.)”

Due to poor presentation the Board differed the case and directed the scholar to re-present his research work again in in the next ASRB, however, there is no need of the presence of the supervisor of the scholar in the next presentation.”

ITEM NO 10: **APPROVAL OF RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. ANWAR SAID, M.PHIL SCHOLAR, DEPARTMENT OF BIOTECHNOLOGY**

The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Heterologous Expression of Bacterial Dehydrin Gene in Arabidopsis Thaliana for Stress Tolerance”

The Board also approved the research synopsis.

ITEM NO 11: **APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MS. MARYAM, M.PHIL SCHOLAR, DEPARTMENT OF STATISTICS**

The Board approved the M.Phil. Course Work studied by of the scholar. The Scholar concerned in the presence of her research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Prevalence and Risk Factors of Still Births in District Swat Pakistan: A statistical Modeling” However, the *space* given in the word “*Stillbirth*” shall be removed in the title

The Board also approved the research synopsis. However, to remove the minor changes a certificate to this effect shall be obtained from Dr. Aftab Ali Shah which must be submitted to the Admissions Section for record.

ITEM NO 12

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. MUHAMMAD SHAHID, M.PHIL SCHOLAR, DEPARTMENT OF STATISTICS

The Board approved the M.Phil. Course Work studied by of the scholar. The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“A Case Study of Alcohol and Marijuana use Among Drivers in District Dir (Lower) Pakistan using Randomized Response Techniques”

The Board also approved the research synopsis.

ITEM NO 13

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MS. GHAZALA SHAH, M.PHIL SCHOLAR, DEPARTMENT OF STATISTICS

The Board approved the M.Phil. Course Work studied by of the scholar. The Scholar concerned in the presence of her research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Systematic Review and Meta-Analysis for Predictors of Hypertension in Pakistani Population”

The Board also approved the research synopsis.

ITEM NO 14

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. MUZAMMIL SHAH, M.PHIL SCHOLAR, DEPARTMENT OF STATISTICS

The Board approved the M.Phil. Course Work studied by of the scholar. The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Comperative Study of Foreign and Local Batsmen in Pakistan Super League: A Survival Analysis Approach”

However, the word “Comperative” shall be replaced by “comparative” and similarly the word “Approach” shall be replaced by the word “approach” in the title

Due to poor presentation the Board differed the case and directed the scholar to re-present his research work again in in the next ASRB, however, there is no need of the presence of the supervisor of the scholar in the next presentation.

ITEM NO 15

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. ZAKIR ULLAH, M.PHIL SCHOLAR, DEPARTMENT OF STATISTICS

The Board approved the M.Phil. Course Work studied by of the scholar. The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Investigating ICC Test Cricket Team Performance in 21st Century Using Statistical Models”

The Board also approved the research synopsis. However, to remove the minor changes a certificate to this effect shall be obtained from Dr. Aftab Ali Shah which must be submitted to the Admissions Section for record.

ITEM NO 16

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. FAZAL SUBHAN, M.PHIL SCHOLAR, DEPARTMENT OF STATISTICS

The Board approved the M.Phil. Course Work studied by of the scholar. The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Assessment of Academic Dishonesty Among College Students Using Randomized Response Techniques in District (SWAT) Pakistan”

However, the word “dishonesty” shall be replaced by “cheating in examinations” in the title

The Board also approved the research synopsis.

ITEM NO 17

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. ARSHAD ALI , M.PHIL SCHOLAR, DEPARTMENT OF STATISTICS

The Board approved the M.Phil. Course Work studied by of the scholar. The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Modified Ratio Estimators in Simple Random Sampling”

The Board also approved the research synopsis. However, to remove the minor changes a certificate to this effect shall be obtained from Dr. Arifullah which must be submitted to the Admissions Section for record.

ITEM NO 18 **APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. HAROON UR RASHID PH.D SCHOLAR, DEPARTMENT OF ISLAMIC STUDIES**

The Board approved the M.Phil. Course Work studied by of the scholar. The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

مختصر المعانى اور صفوة التفاسير ميں وارد مشترك آيات كا بلاغى تناظر ميں ايک تقابلى جائزہ
The Board also approved the research synopsis.

ITEM NO 19 **APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. MUHAMMAD RASOOL KHAN PH.D SCHOLAR, DEPARTMENT OF ISLAMIC STUDIES**

The Board approved the M.Phil. Course Work studied by of the scholar. The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

النواذر من الحكمة النبوية " صلى الله عليه وسلم " فى تنفيذ الاحكام الشرعية ومعانيها فى العصر المعاصر

The Board also approved the research synopsis.

ITEM NO 20 **APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. FAZAL AHAD PH.D SCHOLAR, DEPARTMENT OF ISLAMIC STUDIES**

The Board approved the M.Phil. Course Work studied by of the scholar. The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

عربى زبان ميں علوم اسلاميه پر علماء خيبر پختونخوا كى تصنيفات كى
مناہج و رجحانات كا ايک تجزياتى و تقابلى مطالعہ (1947 تا 2018ء)

However, the words **وتقابلى** shall be deleted from the title, further; the period of the study shall be form **1947-2010** instead of **1947-2018**.

The Board also approved the research synopsis. However, to remove the minor changes a certificate to this effect shall be obtained from Prof. Dr. Ata-Ur-Rahman which must be submitted to the Admissions Section for record.

ITEM NO 21

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. MOHSIN ALI M. PHIL SCHOLAR, DEPARTMENT OF ISLAMIC STUDIES

The Board approved the M.Phil. Course Work studied by of the scholar. The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

علم الوجود والنظائر کی روشنی میں کتاب التصاریف اور تحصیل نظائر القرآن کا تقابلی جائزہ

The Board also approved the research synopsis. However, to remove the minor changes a certificate to this effect shall be obtained from Dr. Aftab Ali Shah which must be submitted to the Admissions Section for record.

ITEM NO 22

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. AJAZ HUSSAIN M. PHIL SCHOLAR, DEPARTMENT OF ISLAMIC STUDIES

The Board approved the M.Phil. Course Work studied by of the scholar. The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

انسانی اعضاء کی حرکات و سکنات کے مدلولات و اثرات (اسلامی تعلیمات کی تناظر میں ایک تحقیقی جائزہ)

The Board also approved the research synopsis.

ITEM NO 23

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. MAHBOOB UR RAHMAN M. PHIL SCHOLAR, DEPARTMENT OF ISLAMIC STUDIES

The Board approved the M.Phil. Course Work studied by of the scholar. The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

اصلاح معاشرہ کے حوالے سے ضلع سوات کے منتخب صوفیائے کرام کی خدمات کا تحقیقی جائزہ
The Board also approved the research synopsis.

ITEM NO 24

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MS. SIRAJ, PH. D SCHOLAR, DEPARTMENT OF BOTANY

The Board approved the M.Phil. Course Work studied by of the scholar. The Scholar concerned in the presence of her research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Conservation Ecology and Heavy Metal Analysis of Calotropis procera, a Native Rare Species in Khyber Pakhtunkhwa Pakistan”

The Board also approved the research synopsis. However, the sample size shall be 70 from each division. Further, to remove the minor changes a certificate to this effect shall be obtained from Dr. Aftab Ali Shah which must be submitted to the Admissions Section for record.

ITEM NO 25

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. MUHAMMAD GUL, M. PHIL SCHOLAR, DEPARTMENT OF COMMERCE & MANAGEMENT SCIENCES

The Board approved the M.Phil. Course Work studied by of the scholar. However, approved nomenclature shall be written on the course work completion /transcript.

The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Workplace Bullying, psychological Contract Breach and Employees’ Cynicism: A case of Public Sector Universities in Malakand Division”

The Board also approved the research synopsis. However, to remove the minor changes a certificate to this effect shall be obtained from Dr. Aftab Ali Shah which must be submitted to the Admissions Section for record.

ITEM NO 26

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR MUHAMMAD IDREES KHAN., M. PHIL SCHOLAR, DEPARTMENT OF COMMERCE & MANAGEMENT SCIENCES

The Board approved the M.Phil. Course Work studied by of the scholar. However, approved nomenclature shall be written on the course work completion /transcript.

The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Effect of Self Efficacy and Entrepreneurship Education on Entrepreneurial Intentions: Moderating Role of Fear of Failure”

The Board also approved the research synopsis.

Table Agenda 1

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. ASIF KHAN, PH.D SCHOLAR, DEPARTMENT OF MATHEMATICS

The course work mandatory for a Ph.D. degree was found satisfactory and was, therefore, approved.

The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB titled

“Dynamics and Control theory of Age-Structured Epidemic Models with Applications”

The Board approved the research topic and synopsis of the scholar.

Table Agenda 2

REQUEST OF MS. UZMA BIBI, M. PHIL SCHOLAR, DEPARTMENT OF COMPUTER SCIENCE & IT FOR PLACEMENT THE CASE BEFORE THE BOARD FOR APPROVAL OF THE COURSE WORK STUDIED, FOR APPROVAL OF TITLE AND SYNOPSIS

The Board after through debate on the case consistently decided that since the student concerned has not completed her course work in the stipulated period for completion of her course work, therefore, a committee was constituted to probe into the matter and to submit recommendations to the Board for an appropriate decision, The committee shall consist of the following ;

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|----|--------------------------|-------------------------|
| 1. | Prof. Dr. Arab Naz | Convener |
| 2. | Prof. Dr. Mir Azam Khan. | Member |
| 3. | Prof. Dr. Jamil Ahmad | Member |
| 4. | Dr. Aftab Ali Shah | Member/Secretary |

Table Agenda 3

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. KHAN BADSHAH, PH.D SCHOLAR, DEPARTMENT OF CHEMISTRY

The course work mandatory for a Ph.D. degree was found satisfactory and was, therefore, approved.

The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB titled

“Preparation of Selective Adsorbents for the Removal of Antibiotics From Aqueous Solutions”

The Board approved the research topic and synopsis of the scholar

Table Agenda 4

APPROVAL OF COURSE WROK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. HAMID HUSSAIN, PH.D SCHOLAR, DEPARTMENT OF PHARMACY.

The course work mandatory for a Ph.D. degree was found satisfactory and was, therefore, approved.

The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB titled

“Synthesis of Enantiomerically Pure Schiff Bases and Their Evaluation for Analgesic And Antiinflammatory Activities”

The Board approved the research topic and synopsis of the scholar

Approved by

Recorded by

Prof. Dr. Gul Zaman

Vice- Chancellor/Chairman

Hayatullah Yousafzai

Dy.Registrar/as Secretary