

Research Cell, Gono Bishwabidyalay.

Academic Research discovers, elucidates and evaluates new knowledge, ideas and technologies essential to sustain human society in the future. As an institution of higher education, without research, a University can not offer a modern curriculum to cater the needs of the society. Meaningful research fosters professional excellence of the Faculty, essential for delivering need-based education and training to the students. Research provides the required capabilities in the teachers for overhauling their approach in the subject and perceive new methodologies of curriculum delivery. Research also augments prudence, aptitudes, capacities, learning, and competence of the teachers and technical staff of universities. Another important objective of research is the sharing and dissemination of the results, through peer-review publication and seminars/training sessions. Through active participation in research, students develop critical thinking expertise, as well as effective analytical, research, and communication skills that are essential for a successful graduate. The junior colleagues and students working alongside professors for research work, learn side-by-side as partners giving them unique chance to become successful researchers themselves. Teaching will improve when the staff engage in research (**research-based teaching**) and the students will learn better if they come into contact with research (**research-based learning**).

Therefore, Gono Bishwabidyalay has established a Research Cell with Professor Dr Muhammad Iqbal Zuberi as the Director to provide technical and practical knowledge and skills for career preparation. The Research Cell intends to provide a strong support to the teachers of the University for individual as well as research groups and collaborative research with other institutions. Emphasis is given to encourage research on contemporary scientific, technological, agricultural, health and social issues and problems of the community to provide support to our society through the pursuit, dissemination, and application of knowledge.

The Research Cell is managed by a Research Project Ethical and Approval Committee as follows:

1. Vice Chancellor
2. Director, Research Cell
3. Registrar
4. Dean, Faculty of Arts and Social Science
5. Dean, Faculty of Health and medical Science
6. Dean, Faculty of Physical and Mathematical Science
7. Dean, Veterinary and Animal Science
8. Principal, GSVMC, GB

The following Research Projects had been awarded during 2017-18 :

Project Title	Teachers carrying out Project
Meeting sustainable goals: Food and livelihood prospect of transgender community in Bangladesh	Sakina Akter, Tahmina Sultana, Md Towhidul Islam and Nazneen Parvin, Departments of English, Sociology and Social Work, Business Administration and Environmental Science, GB
Prevalence of Microbial loads on Betel Leaf special Emphasis on Multidrug Resistant <i>Salmonella</i> spp and its Public Health Implications	Najmun Nahar, Lecturer, Department of Microbiology, GB and Professor Humaira Akter, Department of Microbiology, DU
Comparative biometry of reproductive organs of indigenous and cross bred cow and doe in Bangladesh	Md Rezaul Islam, Department of Veterinary and Animal Science, GB
Error Analysis of Written English Answer script: The case of Students of the Tertiary Level in Gono Bishwabidyalay	Afroza Siddika, Department of English, GB
Rehabilitation of the medicinal garden in G K Saver campus ,identification of use and characterization of chemical ingredient of active components of Selected species	Dr.Salma Hossain, department Environment Science and Rozina Parul , Department of Pharmacy Department, GB
End Stage Renal Disease treated with hemodialysis or peritoneal dialysis in Bangladesh	Ashrafi Akhter Zahan Dept of Anatomy, Community-based Medical College, GB

List of Proposals Awarded for 2018 – 19 Funding

Proposer/Dept	Title of Research Project
1. Ruhul Amin, Sultana Farhat Jahan Department of Physiotherapy, GB	Musculoskeletal Disorders among Traditional Farmers in selected Rural Community of Bangladesh: an Assessment of the Burden and Remediation
2. M. Munir Hossain, Md. Selim Hossain Department of Pharmacy, GB	Synthesis and analgesic activity of benzoyl derivatives of para amino phenol (PAP).
3. M.A Rouf, A.F.M Mahmudul Islam Department of Pharmacy, GB	Synthesis and analgesic activity study of derivatives of Ibuprofen.
4. Mahbubur Rahman, Md. Fuad Hossain, MA Masum, Mohib Ullah Khondaker Department of Microbiology, GSVMC	Study on Prevalence and Antibiotic Resistance of Urinary Pathogens for Empiric and Optimum Treatment: A Comparison of Urban with Sub-Urban Hospital
5. M. Fuad Hossain, Abul Basar, MK Munshi, Shahid Maslick GSVMC +AEC+ Department Sociology, GB	Identification of pollutants and its effect on health and wellbeing of Bangshi Riverside community of Savar, Bangladesh
6. Monirul Hasan Masum, Touhidul Islam, Sharmin Afrin, Dept. of Business Administration, GB and Agrobusiness & marketing, Sher-e-Bangla Agricultural University	Destination Branding: Comparative Study on Cox's Bazar and Kuakata
7. Zaminur Rahman, Md. Abdur Rahman, Md. Ruknuzaman. Department of Animal Production, GB	Utilization of unconventional fodders as a replacement of concentrate feed in Turkey production