

Institutional Distinctiveness:

Eco System that fosters Research

Bishop Heber College (BHC) has a dynamic ecosystem to promote research and innovation. This aims to foster a thriving research culture among faculty, students, and scholars, encouraging interdisciplinary studies and meaningful contributions to society. The Institution is committed to promoting research excellence and fostering a culture of innovation and discovery. This report highlights our research policy, promotion initiatives, and research output. Heber Research Policy is designed to promote research excellence, ensure ethical considerations, and prevent plagiarism. The College provides incentives for publication, conference attendance, and Ph.D. guides to encourage research productivity and ensures that all research projects adhere to ethical standards and guidelines. The Institution conducts plagiarism checks for all PG projects to ensure originality and authenticity and provide consultancy services to other institutions through our partnerships with HAIF. The Institution established a robust research governance framework to ensure the quality and integrity of our research. The institution has an exclusive deanery for research and development to oversee research initiatives. The Institution has constituted research committees, including the Research Advisory Committee, Plagiarism Standing Committee, and Research Ethics Committee, to ensure research standards.

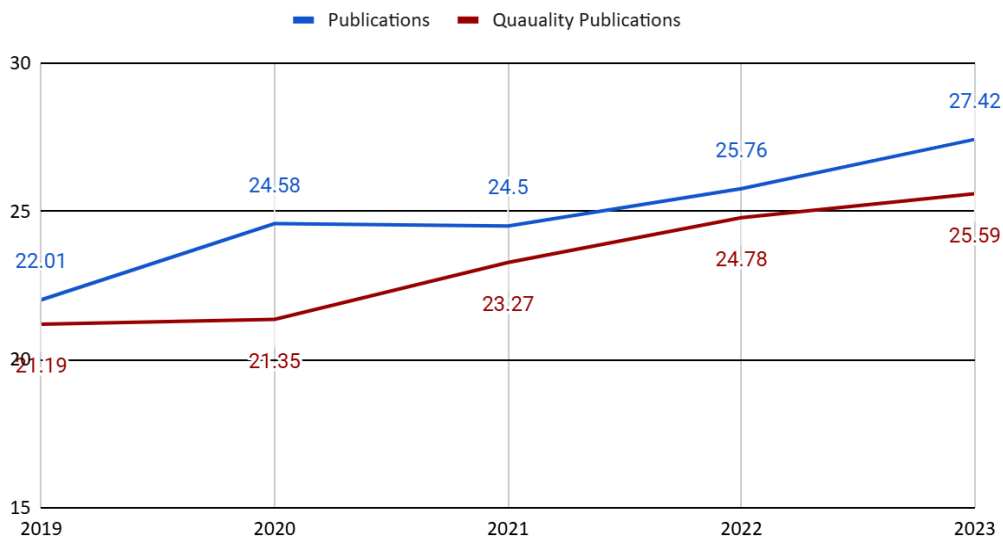
The Institution has also established a scholar forum to facilitate researchers' needs and resolve issues and concerns.

1. Heber Analytical Instrumentation Centre: The Heber Analytical Instrumentation Facility (HAIF) has been established in the year 2017 at Bishop Heber College to strengthen the quality of research in advanced as well as applied fields of sciences. The Centre is equipped with sophisticated Analytical equipment that facilitates students and researchers of Bishop Heber College, and other academic institutions and industries, to carry out cutting-edge interdisciplinary research of national and international

importance. The Centre provides facilities for fabrication work, material testing, characterisation, new device fabrication, etc., to help R&D labs, industrial R&D, MSME, Incubators and Start-ups, etc.

2. The Management has funded 23 projects through the Deanery of Research, with a total amount of ₹ 9,45,000 (Nine Lakhs and Forty-Five Thousand Rupees) allocated for these projects.
3. A total of Eight Conferences were organised in 2023-2024 by the Departments of Chemistry, Botany, Environmental Sciences, Commerce, Economics, Food Science and Management studies. A Workshop on Research Methodology for Social Sciences was organised by the Department of Commerce with a financial support of ₹ 90000.
4. NIRF - research component gradual improvement: Below listed graphs shows the gradual improvement of the Institution in its NIRF Research component. The NIRF Research component reached 27.42 (2023-24) from 22.01 in (2019-20). The quality of published research also increased to 25.59 (2023-24) from 21.19 in 2019-20.

Publications and Quality Publications



5. Centre for Incubation and Innovation - transferring Research to Products - Smart India Hackathon Winners- 2023:

A team of II Year BCA students participated and won first prize of Rupees Ten Thousand Cash Award at the Socio-Tech Hackathon 2024, conducted by StartupTN, held at KPR College of Arts Science and Research, Coimbatore during January 29-30, 2024.

6. The Institution's research achievements have been outstanding, with notable contributions to Scopus and WoS databases. Highlights include 213 research articles in SCOPUS with H-Index of 12 and 538 citations, 44 research articles in WoS with H-Index of 6 and 127 citations. Faculty members have also published 36 books, 49 chapter contributions, and 41 Conference papers. The Institution remains dedicated to advancing research excellence and cultivating a culture of innovation and discovery. Additionally, a significant number of our research papers have been published in high-impact journals such as *The Lancet* and *Cell*.

Other highlights of the Institution are:

1. **Research Grants Received:** The Institution has been awarded 8 research grants totaling ₹ 19,815 from various funding agencies, including UGC, DST SERB, DBT, DST FIST, and MOFPI New Delhi. These grants aim to enhance the facilities of the Science Departments and the Common Instrumentation Centre.
2. **Fellowships Awarded:** A total of 238 scholars were granted fellowships by Government agencies, amounting to ₹ 43.36 Lakhs.
3. **Consultancy Services:** The Department of Physical Education, Heber Analytical and Instrumentation Facility, Centre for Data and Information Services, Department of Environmental Sciences through the WAPCOS Project Ministry of the Jal Sakthi, Govt. of India, and Heber Guards have provided consultancy services to students, staff, corporates and the public, generating an income of ₹ 38,98,506.

4. **Collaborations for Research (MoUs)** : In 2023-24, A total of 81 MoUs were signed to promote research collaborations with 77 national and 4 international organizations. Through these MoUs workshops, training, seminars, conferences were conducted to the faculty members. Exchange programmes for students and faculty members were offered. Students were able to avail internship opportunities in various industries.
5. **Community oriented research through Service Learning:** A Classroom to Community: A Service-Learning (SL) initiative was established with the funding of US\$10000 from the United Board of Christian Higher Education (UBCHE). 27 Extra- Credit Service-Learning courses, were introduced for the Second year UG students in the IInd Year. 4317 students were benefited and also reached community including rural school students, Self-Help Groups, rural women, elderly people, youth and craftsmen etc.,