



Call for Applications for Postdoctoral Fellowship

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Madan Bhandari University of Science and Technology (MBUST) invites applications for a postdoctoral fellowship. The Postdoctoral Fellowships are intended for those who wish to develop career in teaching, research, advance knowledge in the field of science and technology or other related fields and contribute to the economic development of the country. The postdoctoral fellowship is a full-time attachment in the University. During the period of the fellowship the fellows should not get engaged in any employment or other activities which can compromise the objectives of the fellowship.

MBUST is the first research-oriented university in Nepal established upon promulgation of the MBUST Act, 2079 (2022 AD), which provides extensive autonomy to the University. The mission of the University is **to build prosperous and just Nepal**. To attain this mission the University has chosen the vision *to be a world-class university*.

The University provides a unique opportunity to make contribution to the rapid development of the economy of Nepal by developing new knowledge and technology so that products of Nepal become more competitive in the world market. Applications are invited from candidates who are committed to the mission and vision of the University and have strong academic background and research credentials. Preference will be given to applicants with bold research, development and innovation ideas, which have the potential for making significant contribution to the development of the country.

Within the short-span of its life the University has developed a distinct identity as an institution free of corruption and partisan politics. It practices strict meritocracy and zero tolerance to favoritism, nepotism and discrimination based on caste, creed, gender, nationality and religion. The University strives to provide the best opportunity for pursuing research career for staff so that they are able to contribute to the fullest capacity to further scientific knowledge and technology and the development of the country and world as a whole. An attachment to MBUST would be capitalizing on a life time opportunity to make a difference for Nepal. Those who yearn to live dignified life as a Nepali citizen should not miss this opportunity.

To contribute to the economic development of the country the University has adopted the strategy of aligning its teaching and research with real-life problems of the industry. This strategy apart from contributing to the economic development should also help the University to produce "job creators rather than job seekers".

To maximize the impact of the University research, development and innovation (RDI) activities on the economy it has adopted the strategy of concentrating its RDI activities on selected areas of economy with significant potential for contributing to the economic development. Consistent with

this strategy the MBUST has selected the following areas for its engagement to begin with: Organic Agriculture, Forest Biomaterials, Digital Technology, Sustainable and Resilient Infrastructure and Water Resources and Energy. The MBUST activities are guided by the cross-cutting themes: sustainable development, climate change mitigation, hill development, inclusiveness including gender equity.

In December 2023, the University enrolled first students in PhD programs in Organic Agriculture and Forest Biomaterials Science and Engineering, research-based Master of Applied Science programs in Organic Agriculture and Forest Biomaterials Science and Engineering. And in May 2024 students were enrolled into research-based Master of Applied Science programs in Artificial Intelligence and Data Science. In November 2024 Master of Applied Science program in Sustainable and Resilient Infrastructure is scheduled to start.

Postdoctoral fellows are to be engaged as a member of the relevant research team of the University. While the main task of postdoctoral fellows is to support the research, they are also expected to be engaged in the co-supervision of student research, assist in teaching, write grant proposals, publish papers in peer reviewed journals and provide extension services.

Candidates with PhD in related fields from reputed universities are welcome to apply. Qualifications for postdoctoral fellows and terms of reference are defined in the Postdoctoral Fellowship Regulations, 2081.

All University Rules are available in the above website. Interested individuals are advised to study all these Rules, especially the Rules Relating to Conflict of Interest, 2080. In the interest of maintaining the highest level of integrity of the staff and the accountability of the University postdoctoral fellows should abide by applicable Rules. Considering the serious damages inflicted upon higher education institutions in Nepal by the partisan politics postdoctoral fellows should commit to refrain from engaging in partisan politics.

The University is located at lush green Chitlang Valley, which is at about 25 km from the center of Kathmandu City, the capital of Nepal. The Chandragiri range separates Kathmandu Valley from Chitlang Valley. Chitlang is a historical settlement with rich heritage. It has developed as a tourist hub.

This call is open to Nepali citizens, non-resident Nepalese and non-Nepali citizens. Female candidates as well as disadvantaged communities are encouraged to apply.

The process of the selection of candidates based on the applications received till November 2, 2024 but applications can be accepted and processed until the positions are filled.

This call is for one postdoctoral fellowship in Computational Chemistry.

The selected postdoctoral fellow will be working in the University team conducting research, development and innovation work for the development of nutraceuticals and immunomodulatory products.

The applications are to be submitted to the email: info@mbust.edu.np. For more information in this regard, please contact the office on mobile numbers 9840088016 or 9849848053. The following documents should be submitted with the application:

1. Application
2. CV
3. Area of research in PhD and postdoc, if any
4. An essay of up to 1,000 words on how the applicant is expected to contribute to the University and country in the area related to research, development and innovation work for the development of nutraceuticals and immunomodulatory products
5. List of publications with Google Scholar Citations page and Scopus Citation Index
6. Teaching experience describing courses developed/taught and teaching materials prepared
7. List of students successfully supervised with the topic of dissertation and key contribution to the science and economy
8. List of research grants received with amount and funding agency
9. Experience of leadership
10. Special skills
11. List of patents
12. Names and contact information of three referees, who have directly supervised the applicant and would be willing to be approached by the University

The shortlisted candidates will be notified by email and the shortlist will be made public via the University website.