

Short Course on Research Skills Development

01-02 August 2023

Lecture Room, DCE Floor, Institute Building, BUET

Organized by:

Directorate of Continuing Education (DCE), BUET

Target Audience: Early carrier faculty, postgrad students, and senior undergrad BUET students

Course Outline

Module 1: Research Methodology, and Research and Innovation Landscape

No.	Sub-Module Title	Duration, h
1.1	Introduction to Research: Methodology and Types	1
1.2	Scientific Research Method: Basics, History and Philosophy	1
1.3	Research, Development and Innovation Landscape	1

Module 2: Literature Review, Research Problem Identification and Research Proposal

No.	Sub-Module Title	Duration, h
2.1	Literature Review	1
2.2	Identification of Research Problem	1
2.3	Proposal Writing	1

Module 3: Research Paper Writing

No.	Sub-Module Title	Duration, h
4.1	Scientific Paper Writing: Introduction	1
4.2	Journal Impact Factor, Quartile, h-Index etc.	1
4.3	Analysis of Contents of a Scientific Research Paper	1
4.4	Submission to Journals and Dealing with Reviewers	1
4.5	Ethical Issues and Language	1
4.6	Continuing Research	1

Course Instructor:

Dr. A. S. M. A. Haseeb

Professor

Department of Nanomaterials and Ceramic Engineering

Bangladesh University of Engineering and Technology

Dhaka-1000, Bangladesh

Biography

Dr. A. S. M. A. Haseeb

Professor

Department of Nanomaterials and Ceramic Engineering

Bangladesh University of Engineering and Technology

Dhaka-1000, Bangladesh

E-mail: haseeb@nce.buet.ac.bd

Phone (Off):- PABX: +880-2-55167100Ext.: 7683

<https://nce.buet.ac.bd/people/faculty/dr-a-s-md-abdul-haseeb/>



A. S. M. A. Haseeb completed his bachelor and master's degrees in metallurgical engineering from the Bangladesh University of Engineering and Technology (BUET) Dhaka in 1984 and 1986 respectively. He received his PhD in 1992 in materials engineering from the Catholic University of Leuven (KU Leuven), Belgium.

He is currently working as a professor in the Department of Nanomaterials and Ceramic Engineering (NCE), Bangladesh University of Engineering and Technology (BUET), Dhaka. Prior to joining the NCE Dept., BUET, he worked as a professor in the Department of Mechanical Engineering, University of Malaya (UM), Kuala Lumpur during Dec 2006 - June 2022. He served, during 2013-2022, as the Dean of Innovative Industry and Sustainability Research Cluster, Institute of Research Management and Monitoring, UM. He also worked as the Acting Associate Vice Chancellor (Industry and Community Engagement) in UM in 2021. He served, in the past, as the head of the Mechanical Engineering Department at UM. Prior to joining UM, he was a professor at the Department of Materials and Metallurgical Engineering at BUET where he also was also the head of the department.

He gathered considerable experience in academic and research administration. As the Head of the Department, Mechanical Engineering Department and as the Programme Coordinator, Materials Engineering Programme at UM, Prof. Haseeb led accreditation related activities for Mechanical Engineering programme and Materials Engineering programme, and implemented outcome based education. As a research dean at the central administration of the university, he administered multimillion dollar research programmes every year in UM. He initiated, established and administered different innovative research grant programmes, such as Impact Oriented Interdisciplinary Research Programme, Grand Challenges Research Programme, Industry Driven Innovative Grant Programme etc. He played key roles in the development strategic research plans for UM in 2013 and 2018.

His research interest includes semiconducting oxide based nanostructures for gas sensing applications, electronic packaging materials and degradation of materials in hostile environment. Prof. Haseeb is a Fellow of the Institute of Mechanical Engineers, UK, and a Chartered Engineer, The Engineering Council, UK. He is also a Member of the Minerals, Metals and Materials Society (TMS), USA and the Institute of Electrical and Electronics Engineers (IEEE), USA.

He is the Editor-in-Chief of the Encyclopaedia of Materials: Electronics (Elsevier). He was the founder Editor-in-Chief of the Journal of Research Governance and Management (JRMG). Prof. Haseeb is a Regional Editor of the journal - Advances in Materials and Processing Technologies (AMPT International Journal) published by Taylor & Francis. He is also on the editorial board of the ASEAN Engineering Journal.

Prof. Haseeb was a European Research Fellow at the Department of Materials, Oxford University, UK in 2006; an Alexander von Humboldt Fellow at the Institute of Microtechnology, Karlsruhe Institute of Technology (KIT), Germany in 2005; an Invited JSPS Research Fellow at the Surface and Thin Film Laboratory, Department of Materials Science and Engineering, Kyushu University, Japan in 1999; and a Visiting Research Fellow at the Institute of Theoretical and Applied Physical Chemistry (INIFTA), University of La Plata, Argentina in 1998.



Short Course on
RESEARCH SKILLS DEVELOPMENT
01-02 August 2023
3rd Floor, Directorate of Continuing Education (DCE)
Bangladesh University of Engineering and Technology (BUET)
Program Schedule

Day	Time	Event
Day-01		
01.08.2023 (Tuesday)	09:30 AM - 10:30 AM	Lecture 1: Introduction to Research: Methodology and Types
	10:30 AM - 11:30 AM	Lecture 2: Scientific Research Method: Basics, History and Philosophy
	11:30 AM - 11:45 AM	Tea Break
	11:45 AM - 12:45 PM	Lecture 3: Research, Development and Innovation Landscape
	12:45 PM - 02:00 PM	Prayer Break
	02:00 PM - 03:00 PM	Lecture 4: Literature Review
	03:00 PM - 04:00 PM	Lecture 5: Identification of Research Problem
	04:00 PM - 04:15 PM	Tea Break
	04:15 PM - 05:15 PM	Lecture 6: Proposal Writing
Day-02		
02.08.2023 (Wednesday)	09:30 AM - 10:30 AM	Lecture 7: Scientific Paper Writing: Introduction
	10:30 AM - 11:30 AM	Lecture 8: Journal Impact Factor, Quartile, h-Index etc.
	11:30 AM - 11:45 AM	Tea Break
	11:45 AM - 12:45 PM	Lecture 9: Analysis of Contents of a Scientific Research Paper
	12:45 PM - 02:00 PM	Prayer Break
	02:00 PM - 03:00 PM	Lecture 10: Submission to Journals and Dealing with Reviewers
	03:00 PM - 04:00 PM	Lecture 11: Ethical Issues and Language
	04:00 PM - 04:15 PM	Tea Break
	04:15 PM - 05:15 PM	Lecture 12: Continuing Research

Course Instructor:

Professor Dr. A. S. M. A. Haseeb

Department of Nanomaterials and Ceramic Engineering
Bangladesh University of Engineering and Technology