



জাতীয় বিশ্ববিদ্যালয়



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Duties:

The National University Bangladesh has about 2250 affiliated colleges and institutions offering bachelor, honors, masters, and various professional degree programs. Its main campus offers on-campus PGP courses, advanced masters, Masters, MPhil & PhD studies. The dean is responsible for preparing the curriculum and syllabus for the above programs and their gradual upgradation to ensure the contemporary market demand and practices. Maintaining and enhancing the academia-industry relationship is also an essential responsibility of the dean. Moreover, the dean accelerates and furthers monitoring of affiliated institutions' academic atmosphere and needs assessment.

Biography:

A.H.M. RuhulQuddus, associate professor of physics, National University, Bangladesh was born in Jessore on 6th of November 1973. He completed his B.Sc. (Hons) and M.Sc. (Thesis) in Physics from Jahangirnagar University and secured first class in both examinations. He successfully completed his Ph.D. in Radiation and Health Physics from the same university in 2010. The title of his Ph.D. thesis was “Assessment of Internal Radiation Doses due to Intake of Radionuclides by Ingestion in Human body”. In his research, he mainly developed a generic model to calculate internal radiation doses in different tissue compartments of Gastro Intestinal (GI) Tract for different age groups

of Bangladeshi People. His research title in M.Sc. was “Characterization and Decontamination of Liquid Radioactive Waste”. Dr. Quddus has made substantial contributions in theoretical development of calculation of internal radiation doses. He has published 25 research articles in peer – reviewed national and international journals. He presented number of research papers in international and national conferences. He was awarded National Science and Technology Fellowship by Bangladesh Ministry of Science and Technology during his M.Sc. and M.Phil study. No. of students have completed Ph.D. research works under his joint supervision. He is now leading a research group consisting of No. of college teachers and medical physicists at M.Phil and Ph.D. level. He has research-interests in Nuclear Medicine, Health Physics, and Neuroscience.

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Publications: 25 (Twenty Five)

1. M. Kamal Hossain, M. Sazzad Hossain, Haron-Or-Rashid, Md. Nurul Islam and **A.H.M. R. Quddus**, Research on the activity and doses of radionuclides for different ages people through biokinetic modeling in HATM method, *Open Access Research Journal of Engineering and Technology*, 2024, 06(01), 026–038, Publication history: Received on 12 October 2023; revised on 26 February 2024; accepted on 29 February 2024, Article DOI: <https://doi.org/10.53022/oarjet.2024.6.1.0086>
2. Sarker, M.K.H., Hossain, M.S., Haron-Or-Rashid, Islam, M.N. & Quddus, **A.H.M.R. Quddus** (2023). To Study the Activity of Few Radionuclides Using Biokinetic Model. *European Journal of Theoretical and Applied Sciences*, 1(3), 140-147. DOI: [10.59324/ejtas.2023.1\(3\).14](https://doi.org/10.59324/ejtas.2023.1(3).14)
3. **A.H.M. R. Quddus**, Ali Zafar Chowdhury, and S.M. Mobashir Hossain Assessment of Tissue-Specific Radiation Doses due to Ingestion of ^{40}K Contaminated Vegetables, 2024. *National University Journal of Science*, Vol. 7, No. 1-2, December 2020 issue
4. Ali Zafar Chowdhury, **A.H.M. R. Quddus**, S.M. Mobashir Hossain, Haron-Or-Rashid, Tissue-Specific Absorbed Dose Assessment due to Ingestion of ^{137}Cs Contaminated Cereal by Bangladeshi People, 2024. *National University Journal of Science*, Vol. 7, No. 1-2, December 2020 issue
5. Ali Zafar Chowdhury, **A.H.M. R. Quddus**, S.M. Mobashir Hossain, Haron-Or-Rashid, Organ-Specific Radiation Dose Assessment due to Ingestion of ^{137}Cs Contaminated Milk Ingested by Bangladeshi People, 2024. *National University Journal of Science*, Vol. 7, No. 1-2, December 2020 issue
6. Haron – Or- Rashid, **A.H. M. Ruhul Quddus**, M.S. Hossain, K. H. Sarker Calculation of Internal Radiation Doses due to Acute Ingestion of Co-60 by Adopting HATM Model, *Global Journal of Medical Research: D Radiology, Diagnostic Imaging and Instrumentation* Vol 19 issue 2 (Ver. 1.0) pp 17-28, 2019 Open Association of Research Society, 945 Conchord Street, Framingham Massachusetts, USA
7. Md Mukarrom Hossain, Mohd Nur E-Alam Siddique, **A H M Ruhul Quddus**, Ali Zafar Chowdhury, Fakir Rafiqul Alam, Study of Noise level Around Shahzibazar Power plant Subjected to the Environment Background, *National University Journal of Science* Vol.6 No.1 pp 75-82, Dec 20019, Bangladesh

8. Abdus. Sattar. Mollah, **Mohammad Ruhul Quddus**, Sayeed Mohammad Iqbal, Internal Radiation doses Assessment in Nuclear Practices by Using Locally Developed Software, *Bangladesh J. Nuclear Medicine*, Vol.21, No.1 pp 26-30, Jan 2018, Bangladesh
9. **A.H. M. Ruhul Quddus**, Ali Zafar Chowdhury **Abdus.Sattar. Mollah**, Organ Specific Internal Radiation Dose due to Acute Ingestion of U-238 contaminated food by Bangladeshi People, *National University Journal of Science* Vol.3 No.5 pp 89-98, Dec 20018, Bangladesh
10. Haron-Or-Rashid, **Quddus A.H.M. R**, Hossain M.S. Hossain S. Sarker K.H. Calculation of Internal Radiation Dose Due to Acute Ingestion of Sr-90 for Bangladeshi People by Adopting HATM Model, *BAUET Journal, Bangladesh Army University of Engineering and Technology*, Vol.1 Issue 2, Feb 2018, Bangladesh
11. **A.H.M.R. Quddus**, M.M.A. Zaman, A.S. Mollah and M.M. Zaman, Assessment of Internal Radiation doses in Gastro Intestinal Tract for Acute Ingestion of Ra-226 of the people of Bangladesh, *Bangladesh J. Nuclear Medicine*, Vol.19, No.1 pp 38-42, Jan 2016
12. M.M. Al-Amin, T. Alam, S.M.N. Hasan, A.T. Hasan and **A.H.M.R. Quddus**, Prenatal Maternal Lipopolysaccharide Administration Leads to Age- And Region Specific Oxidative Stress in The Early Development Stage in Offspring, *Neuroscience*, Vol 318 pp 84-93, Jan 2016
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15. Md. Moniruzzaman Khan, **A.H.M. Ruhul Quddus**, Mir. Md. Akramuzzaman and Abdus Sattar Mollah, Assessment of Radiation Doses for Lung due to Some Radionuclides Released from a Hypothetical Nuclear Power Reactor Accident, *Bangladesh Journal of Nuclear Medicine*, Vol. 17 No.1 pp 22-25, Jan 2014
16. **A.H.M. Ruhul Quddus**, Md. Moniruzzaman Khan, Mir. Md. Akramuzzaman and Abdus Sattar Mollah, Assessment of Annual Intake Limit for Bangladeshis Exposed to Acute Ingestion of Ba-133, *Bangladesh Journal of Nuclear Medicine*, Vol. 16 No.1 pp 29-31, Jan 2013
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21. **A.H.M.R. Quddus**, M.K. Alam, M.A. Koddus, S.M.A. Raihan and F.R. Alam, Decontamination of Cs-134 & Cs-137 from liquid radioactive waste by chemical precipitation method, *National University Journal of Science* Vol.1 No.1 pp 15-20, Dec 2006, Bangladesh
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25. Md. Humayun Kabir, Eng. Firoz Ahmed and **A.H.M. Ruhul Quddus**, Subnetting: Practical solution to networking problem, *IBS Business Review*, Vol. III, pp 81-85, March 2005.