About Professor Bimal Krishna Banik

Bimal Krishna Banik received his undergraduate, graduate and doctoral studies at Itachuna Bejoy Narayan Mahavidyalaya, Burdwan University and Indian Association for the Cultivation of Science (Jadavpur University). Thereafter, he pursued his postdoctoral research at Case Western Reserve University (Ohio, USA) and Stevens Institute of Technology (New Jersey, USA). Prof. Banik was Assistant Professor in Experimental Molecular Pathology at the University of Texas M. D. Anderson Cancer Center, Houston. He became a tenured Full Professor in Chemistry and First President's Endowed Professor in Science and Engineering at the University of Texas – Pan American (UTPA). Prof. Banik was also affiliated to the University of Texas at San Antonio and the University of Texas Health Science Center at San Antonio as Adjunct Full Professor. Prof. Banik served as the Vice President of Research and Education Development of the Community Health Systems of South Texas. At present, he is a Full Professor and Senior Researcher of the Deanship of Research Development, College of Natural Sciences and Human Studies at the Prince Mohammad Bin Fahd University, Saudi Arabia.

Prof. Banik has taught organic and medicinal chemistry as well as special topics in chemistry and chemistry for engineering for B.S., M.S. and Ph.D. students in the US and Saudi Arabia universities for several years. He has introduced various new courses to render teaching in a most effective and innovative manner. His exceptional teaching skills were reflected from several thousand students', peers' and administrators' outstanding evaluations as well as from independent comments posted at the Rate My Professor Website by the US students. Numerous distinguished leaders and top administrators in the US universities and research institutes rated him as "Truly Exceptional" and "Excellent Teacher" on a scale of excellent, good, average and weak. He has mentored approximately 300 students, 20 postdoctoral fellows, 7 Ph.D. research scientists and 28 university faculties in research activities. Prof. Banik remained as an advisor of two students' organizations and societies in the USA that had 1,400 students of diverse subjects.

Prof. Banik's students have completed higher degrees and education from premier institutes of the USA such as Harvard University, MIT, Northwestern University, Yale University, Stanford University, Rutgers University, University of Texas at San Antonio, Stevens Institute of Technology, New Jersey Institute of Technology, Baylor College of Medicine, University of Texas Southwestern Medical Center, University of Texas M. D. Anderson Cancer Center, University of Texas at Austin, New Jersey Medical University, University of Iowa, University of Texas Health Science Center at San Antonio, University of Texas-Galveston Medical School, University of Philadelphia, State University of New York at Buffalo, University of Reynosa, UTPA and Vanderbilt University. Many of his alumni students are successful as university professors and CEOs/directors/principal scientists/research scientists of chemical and drug companies. Some of them are working at Merck Pharmaceutical Company, Johnson & Johnson, Procter & Gamble, Bristol Myers Pharmaceutical Company, Dow Chemical Company, International University, Polish Academy of Sciences, the University of Mexico, Colgate-Palmolive, the University of Texas at San Antonio, Chemsyn, Syngene Pharmaceutical Company, G. V. Biochemicals and the US University.

Prof. Banik has carried out his research on synthetic chemistry and chemical biology in the ovary, colon, breast, blood, prostate, brain, pancreas and skin cancers; antibiotics; hormones; catalysis; green chemistry; natural products; metal- and salt-mediated processes; and microwave-induced reactions. As the principal investigator (PI), he has been awarded $7.25 million grants from the US National Institute of Health, US National Cancer Institute and Texas Private Foundations.

Importantly, Prof. Banik has already published above 600 peer-reviewed publications along with more than 500 presentation abstracts. He has also penned 75 technical reports. He is the author/editor of 17 books published by Springer Nature, Springer, Nova, Elsevier, CRC (Taylor & Francis), De Gruyter and Prince Mohammad Bin Fahd University. In addition, four "Banik's reactions" were invented by him and named as Banik's cycloaddition, Banik's glycosylation, Banik's nitration and Banik's oxidation. The number of citations

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for his publications has crossed 8,450. Highly prestigious organizations have also published news based on Prof. Banik's outstanding achievements. For example, American Association for the Advancement of Science (*EurekAlert*), Indian Chemical Society, *Times of India*, *Down to Earth*, *American Chemical Society Chemical & Engineering News*, Thomson-Reuters, Bentham Publisher and Royal Society of Chemistry had commented on his research excellence in diverse areas that have been consistent and persistent for the past three decades or more.

Prof. Banik served as PI of a joint green chemistry symposium between the USA and India. He chaired 20 symposiums at the American Chemical Society (ACS) national meetings and over 100 conferences at the state, national and international levels, including one at the Nobel Prize celebration in Germany. He has introduced more than 300 speakers, in the capacity of chair. He is a reviewer of 93 journals, editorial board member of 26 journals, editor in chief of 12 journals, founder of 8 journals, associate editor of 4 journals and guest editor of 10 journals. As the editor in chief, he recruited approximately 200 associate editors, regional editors and editorial board members from different countries. He is an examiner of NSF, NCI, NRC, DOE, ACS and international grant applications; reviewer of promotion and tenure of faculty of national and international universities; examiner of doctoral theses; and panel member of NSF and NCI/NIH grant sections. Over the years, he served as the chair/member of more than 100 scientific committees. Prof. Banik served as the chair of the University of Texas M. D. Anderson Cancer Center's drug discovery symposiums and directed the US NCI-funded analytical chemistry of Core Research Laboratory.

Prof. Banik was promoted to tenured full professor in 2007, which was within a year of his last promotion to associate professor at the University of Texas System. Prof. Banik has been ranked within top 2% of researchers in the world. He has received the Indian Chemical Society's (ICS) Lifetime Achievement Award, the US National Society of Collegiate Scholar's Best Advisor Award, Mahatma Gandhi Honor Medal from the UK Parliament, ICS's Professor P. K. Bose Endowment Medal, Dr. M. N. Ghosh Gold Medal, the University of Texas Board of Regents' Outstanding Teaching Award, five top-cited paper awards by Elsevier, Fifty Certificates of Excellence in his profession, Indian Association Community Service Award, ACS Member Service Award, NCI Webpage Recognition, Bentham Ambassador Recognition, Best Researcher/Mentor Award by the UTPA, Burdwan University Eminent Alumnus Recognition, First President's Endowed Professorship at the UTPA (a single position that was available in 87 years), New Jersey Board of Education Best Mentor Award and UTPA's Award for Excellence in international studies. Prof. Banik was nominated for the US Presidential Award on Teaching/Mentoring twice by the US University. He was the finalist for the University of Texas Chancellor Award successively for 6 years. He has been regarded as a "distinguished scientist" and "distinguished researcher" by scientific societies. Some of his international research presentations were considered as keynote, plenary and inaugural lectures. Prof. Banik received more than 200 invitations to deliver lectures in 35 countries. He received frequent invitations to contribute textbooks by major publishers, including Wiley, Elsevier, Springer, Springer Nature, Taylor & Francis, Cambridge University Press, Cambridge Scholars Publishing, De Gruyter, Bentham, Thompson, Linus, Nova, Pearson, Cengage, Houghton Mifflin, ICS and PMU Press. Notably, Prof. Banik was invited by the Royal Society of Chemistry to participate in scientific discussions with distinguished professionals at Indianapolis (2013), New Orleans (2013), Philadelphia (2012), Boston (2010), Washington, D.C. (2009), Salt Lake City (2009), Philadelphia (2008), New Orleans (2008), Boston (2007), Chicago (2007), San Francisco (2006), Atlanta (2006) and Washington, D.C. (2005). As an educationalist, Prof. Banik hosted a few dignified professionals, including Nobel Prize winners, ACS presidents, the US White House secretary, editors of most reputed journals and US senator/congressmen.