

## Short CV

### **Dr. Susanta Banerjee**

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<https://www.thehindu.com/scitech/science/article33043379.ece/binary/IndiansWorldRanking.pdf>



**Susanta Banerjee** received his M. Sc., M. Tech. and Ph. D. degrees from the Indian Institute of Technology Kharagpur, India, in 1988, 1989, and 1993. He started his research career with the Defence Research & Development Organization (DRDO), Govt. of India, and worked there as a Scientist from 1992 to 2004. Dr. Banerjee was an Alexander von Humboldt Research Fellow at the Technical University Munich from 1997 to 1999. In 2004, he joined GE India Technology Centre (JFWTC), Bangalore as a Lead Scientist and worked there till the end of 2006. He moved to IIT Kharagpur in 2006, and currently, he is a full professor in the Materials Science Centre. His primary research interest includes designing and preparing new polymers and membranes for low-k applications, gas, liquid separation, polyelectrolytes for fuel cells, and photovoltaic applications. His research work has resolved many of the critical issues in membrane-based separation, and he has successfully demonstrated new polymers that showed high permeability and selectivity. His work has given a new direction in developing new proton conductive membranes for fuel cell applications. He has published 216 original research papers in peer-reviewed international journals and presented more than 152 articles in scientific conferences. He has several (08) granted patents (as an inventor) in his credit. He is the author of nine book chapters and one book, “Handbook of Specialty Fluorinated Polymers: Preparation, Properties, and Applications,” published by Elsevier. He is the recipient of several awards and medals. A few of them are the Defence Technology Spin-off Award, GE Management Award, Materials Research Society of India (MRSI) Medal, and Fellow of West Bengal Academy of Science and Technology. He has also been awarded as Institute Chair Professor by the IIT Kharagpur in the year 2020. He is well known for mentoring postgraduate students and has supervised 21 Ph.D. and 34 master students. He is leading a group of 1 postdoctoral, 7 Ph. D., and five master students. He handles several extramural funded research and consultancy projects and collaborates with several research groups in Germany, the USA, and Russia.