

Professional Activities: Sudeshna Basu

- Invited as a resource person at for “National Lecture Series/ National Level Seminar on” Mathematical Modelling and Computational Techniques,” St. Ann’s College for women, Hyderabad, India January 2024.
- Invited to be the Thesis examiner at National Institute of Technology Tiruchirappalli, India, September 2023.
- Invited Speaker Department of Mathematics and Statistics, Concordia University, Montreal, Canada, October 2023.
- Invited Visitor, Stat Math Division, Indian Statistical Institute, Bengaluru, India, August 2023.
- Invited presenter at the Workshop on Linear and Non-Linear Analysis, Santander, Spain, July 2023
- Invited panelist at the Inaugural meeting of Asian-Oceanian Women in Mathematics (AOWM), April 2023.
- Invited speaker at the International Seminar on Physical and Mathematical Sciences to Commemorate the 130th Birthday of Prof. Satyendra Nath Bose, February,2023.
- Invited talk at the department of mathematics at Catholic University, February 2023.
- Invited Visitor at Calcutta University, Kolkata, India, December 2022–January 2023.
- Invited Speaker at Calcutta University, Kolkata, India, January 2023.
- Invited Speaker at Jadavpur University, Kolkata, India, January 2023.
- Invited Speaker a15th International Conference on p-Adic Analysis and Dynamical System, Poznan, Poland, July 2023.

- Invited speaker at International Workshop on Operator Theory and its Applications, Helsinki, Finland, July 2023.
- Invited speaker at Analysis Seminar, Catholic University, Washington DC, Spring 2023.
- Presented invited talk at International Workshop on Operator Theory and its Applications, Krakow, Poland, September 2022.
- Presented invited talk at Analysis Seminar, Catholic University, Washington DC, February 2022.
- Invited speaker at Workshop on “Geometry of Banach spaces and its applications”, IIT, Allahabad, India, January 2022.
- Invited Speaker at Special Session, Fall Sectional meeting of American Mathematical Society, California, USA, October 2021
- Invited Speaker at the Department of Mathematics and Statistics at the University of the West Indies, St. Augustine Campus, Trinidad and Tobago, September 2021.
- Presented invited talk at International (Virtual) Conference on Topological Algebras and their applications, Estonia, July 2021.
- Presented invited talk at “Advances in Functional Analysis and Operator Theory”, American Mathematical Society Meeting (Virtual), San Francisco, USA May 2021.
- Presented invited talk at Departmental Colloquium at Mathematics Department R. K. Vivekananda Education and Research Institute, May 2021.
- Presented invited talk at Departmental Colloquium at University of Maryland at Baltimore, March 2021.
- Presented invited talk at Analysis Seminar Series, Catholic University, April 2020.

- Presented Invited talk at Functional Analysis Conference, Indian Institute of Technology, Hyderabad, November 2019.
- Presented invited talk at Indian Institute of Technology, Mumbai, December 2019.
- Presented invited talk at Indian Institute of Science, Education and Research, Pune, India, January 2019.
- Presented invited talk at Savitri Bai Phule University, India, January 2019.
- Presented invited talk at Gallaudet University, USA, September 2018.
- Presented invited talk at Mathematics Colloquium, Indian Statistical Institute, Delhi, India, August 2018.
- Presented invited talk at Indian Institute of Technology, Bhubaneshwar, August 2018.
- Presented invited talk at National Institute of Science, Education and Research, Bhubaneshwar, India July 2018.
- Presented invited talk at Operator Theory Conference, Memphis University, USA, May 2018.
- Presented invited talk at International Conference on Mathematical Analysis and Modeling, Jadavpur University, Kolkata, January 2018.
- Presented invited talk at South Asian University, Delhi, India, January 2018.
- Presented invited talk at Maitrayee College, Delhi, India, January 2018.
- Presented invited talk at Semigroup Conference, University of Delhi, India, December 2017.
- Presented invited talk at Indraprastha College, Delhi, India, August 2017.

- Presented invited talk at Cluster Innovation Center, Delhi, India, August 2017.
- Presented invited talk at Banach Spaces and Operator Theory with Application, Adam Mickiewicz University, Poznan, Poland, July 2017.
- Presented invited talk at Indian Institute of Science, Education and Research, Kolkata, India, January 2017.
- Visitor, Department of Mathematics, Indian Institute of Technology, Kanpur, India, Summer 2016.
- Presented invited talk at Operator theory Conference at Indian Statistical Institute, Bangalore, India, December 2016.
- Presented invited talk at p-adic Functional Analysis Conference at Universite d'Auvergne, France, July 2016.
- Presented invited talk at Functional Analysis Conference of AMS Sectional Meeting, Memphis University, USA, October 2015.
- Presented invited talk at Ramanujan Society Conference, Indian Institute of Science, Education and Research, Mohali, India, May 2015.
- Presented invited talk at St. Stephens College, Delhi, India, April, 2015.
- Presented invited talk at Mathematics Colloquium Indian Statistical Institute, Delhi, India, March 2015.
- Presented invited Talk at Women in Mathematics Conference, Delhi University, India, March 2015.
- Presented invited Talk at Functional Analysis Conference, Indian institute of Technology Kanpur, India, March 2015.
- Invited Speaker at Operator theory Conference at Indian

Statistical Institute, Bangalore, India, December 2014.

- Presented seminar at the George Washington University, Washington DC, USA, September 2014.
- Presented invited talk at Free University, Berlin, Germany, June 2014.
- Presented invited talk at Vector Measure Conference at Bedlewo, Poland, June 2014.
- Presented invited talk at Banach Space Conference at Albacete, Spain, June 2014.
- Presented Invited talk at Lady Shriram College, Delhi, India, August 2013.
- Presented Invited talk at Hansraj college, Delhi India, August 2013.
- Presented invited talk at Delhi University, India, August 2013.
- Presented invited talk at Ambedkar University, Delhi, India, August 2013.
- Presented Invited talk at Kesav Mahavidyalaya, Delhi, India, August 2013.
- Presented invited talk at Chennai Mathematical Institute, India, March 2013. Presented invited talk at the Department of Mathematics, University of Western Ontario, London, Canada, October 2011.
- Presented Invited Seminar at Indian Statistical Institute, Bangalore, India, May 2009.
- Presented Invited Seminar at International Analysis Meeting, Ohio State University, Columbus, USA, May 2006.
- Presented paper at Joint Mathematics Meeting, San Antonio, Texas, USA, January 2006.
- Invited Speaker at The Analysis Conference, Miami University,

USA, May 2006.

- Presented Seminar at Morgan State University, Baltimore, October 2004, February 2006.
- Presented invited talk at the International Operator theory Conference at Indian Statistical Institute, Kolkata, India, December 2004.
- Presented invited at Colloquium, at Stat-Math Division, Indian Statistical Institute, Kolkata, India, January 2005.
- Presented invited talk at American Mathematical Society Sectional Meeting at Ohio State University, Columbus, USA, 2004.
- Presented invited talk at Operator theory conference at Indian Statistical Institute, India, December 2004.
- Presented Seminar at Morgan State University, Baltimore February 2006.
- Visitor, Indian Statistical Institute, India, June- August 2006
- Presented Seminar at the Joint Mathematics Meeting, Baltimore, USA, January 2003.
- Presented Invited Seminar at the American University, Washington DC November 2002.
- Presented Invited Seminar at the Catholic University of America, Washington DC, USA, April 2002.
- Invited at The Tenth Southeast Approximation Theory Conference, University of Georgia, Athens, USA, March 2002.
- Presented seminar at University of Maryland at College Park, USA, October 2002.
- Presented invited talk at the international conference on Banach spaces, Caceres, Spain, December 2000.

- Invited speaker for the International Functional analysis conference
at

- Visited the department of Mathematics at the University of Iowa, February 2000.
- Visited the department of Mathematics at the University of Georgia, August 2001.
- Attended several summer and winter schools on Analysis.
- Presented seminar at the University of California at Santa Barbara, USA, March 1998.
- Developed Mathematics and Politics Course as part of departmental diversity and justice course jointly with Professor Timothy Clarke
- Appointed Faculty in charge of Colloquium, Department of Mathematics and Statistics Loyola University, Fall 2023.
- Member of Calculus Committee, Department of Mathematics and Statistics Loyola University, since Fall 2022.
- Developing a course addressing Diversity and Inclusion, Department of Mathematics and Statistics Loyola University, Spring 2023.
- Awarded Faculty Author Award at Howard University, 2000, 2001, 2002, 2003, 2004.
- Invited to serve as external examiner, Department of Mathematics and Statistics at the University of the West Indies, St. Augustine Campus, Trinidad, and Tobago.
- Invited to serve as external examiner, Department of Mathematics and Statistics at the University of the West Indies, MONA, Jamaica
- Member of Ph.D. committee at Mathematics Department, R. K. Vivekananda Education and Research Institute, Belur, India.
- Member of Colloquium committee at Mathematics Department, R. K. Vivekananda Education and Research

Institute, Belur, India.

- Invited to serve as an external examiner of Ph.D. thesis at Manonmaniam Sundaranar University.
- Initiated and arranged virtual colloquiums by international speakers of repute.
- Created YouTube channel for Department of Mathematics, R. K. Vivekananda Education and Re- search Institute, Belur, India.
- Designed new courses for Mathematics Department, R. K. Vivekananda Education and Research Institute, Belur, India.
- Served as a lecturer for MTTTS program organized by NBHM, Amity University, India.
- Served as external examiner for comprehensive examination at National Institute of Science, Edu- cation and Research, India.
- Served as external examiner for comprehensive examination at Indian Statistical Institute, Banga- lore, India.
- Served as Referee for Ph. D Thesis at National Institute of Technology, Durgapur, India.
- Served as Referee for Ph. D Thesis at SRMInstitute of Science and Technology, India
- Initiated Active learning methods at Mathematics Department at George Washington University.
- Organized Seminars by International Speakers at George Washington University.
- Served as a Referee for Internationally Reputed Journals
- Served as Member of Ph.D. Programme Committee at Morgan State University.
- Served as Member of Graduate and Research committee at Morgan

State University.

- Served as a book reviewer for Prentice Hall.
- Organiser of Analysis Seminar at Morgan State University.
- Served and chaired several examination committees at Howard University.

- Served as a member of graduate evaluation committee at Howard University.

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