

## **Dr. Rashmi Sehgal Thukral**

Dr. Rashmi Sehgal Thukral received her BA (Hons.) degree in Mathematics from Sri Venkateswara College (Delhi) in 2003. She received her MA degree in Mathematics from St. Stephen's College (Delhi) in 2005 and her M.Phil. degree in Operator Theory from University of Delhi in 2007. She was conferred a PhD degree by the Department of Mathematics, University of Delhi, in 2016, for her dissertation on decomposability of nonnegative  $r$ -potent operators.

Dr. Rashmi is currently serving as a permanent faculty at the Department of Mathematics of Jesus and Mary College (JMC). She has been a member of the teaching staff of JMC since July 2006. Over her thirteen years of experience in teaching undergraduate mathematics students, she has taught a wide variety of papers from the fields of Algebra, Analysis, Partial Differential Equations, Probability Theory, Calculus and Mathematical Modelling.

Dr. Rashmi's research interests and areas of specialization include operator theory, super-cyclic operators, invariant subspaces and their applications to machine learning and artificial intelligence.

Dr. Rashmi is a university gold-medallist and a recipient of numerous awards and honors. She was awarded Rai Bahadur Brij Mohan Lal Saheb Memorial Gold Medal by the University of Delhi for being the best candidate in B.A. (Hons.) Examinations held in 2003. She was further awarded Ravi Kanta Devi Prize by University of Delhi for being the best woman candidate and J.N. Mitra Memorial Prize for being the best candidate in Mathematics and Physics (taken together). Among the list of other awards received by her for outstanding academic performances, the prominent ones are Shri Suresh Bhatia Memorial Gold Medal, Balaji Gold Medal, Smt. Velagalety Suvarchalamba Memorial prize, Bharatula Savitri Memorial prize, Sri Sundar Ayyar and Alamelu Memorial prize and Students Union Merit prize (SVC).