

# Brief CURRICULUM VITAE

(Updated on 12<sup>th</sup> May, 2026)

of

## Dr. Jyotindra C. Prajapati

(M.Sc.; M.Phil.; Ph.D.)



**Name:** Dr. Jyotindra C. Prajapati (M.Sc.; M.Phil. ; Ph.D.)

**Area of specialization:** Special Functions, Integral Transforms, Fractional Calculus

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<https://scholar.google.com/citations?user=H0Jrb-EAAAAJ&hl=en>

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### **Key achievements:**

1. American Mathematical Society Mathematical Reviews/MathSciNet Reviewer number: 125441
  2. Winner of “**Sardar Patel Research Award**” 15<sup>th</sup> December 2020
  3. **International Earg Awards 2024**, Award for outstanding faculty of the year 2024, Presented by MathTech Thinking Foundation, Fazilka, Punjab, In association with Poornima College of Engineering, Jaipur
  3. **One of my Ph.D. students** Dr. Krunal Kachhia received best thesis award from Gujarat Science Congress Association under category of Mathematical and Computer Science in 2016
  4. Winner of “**Sardar Patel Research Award**” 1<sup>st</sup> February 2025
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### **LIFE MEMBERSHIP OF PROFESSIONAL BODY**

- 1) Indian Society for Technical Education (**ISTE/ LM 40845/2003**)
- 2) Indian Mathematical Society (**IMS/ P 06 118/2006**)
- 3) Society of Special functions and their Applications (**SSFA/ LM /910/2006**)
- 4) Gujarat Ganit Mandal (**GGM/LM / 1821/2010**)
- 5) Indian Science Congress Association (**ISCA/ L 18921/2011**)
- 6) Indian Society for History of Mathematics (**ISHM/ LM / 252/2012**)
- 7) Ramanujan Mathematical Society (**RMS/ LM /770/2012**)
- 8) Calcutta Mathematical Society (**CMS/ LM /9668/2012**)
- 9) Indian Society of Industrial and Applied Mathematics (**ISIAM/ LM/P 32/2012**)
- 10) Indian Society of Mathematics and Mathematical Sciences (**ISMAMS/LM/319/2012**)
- 11) The Association of Mathematics Teachers of India (**AMTI/ LM /6677/2012**)
- 12) Allahabad Mathematical Society (**AIIMS/ AM/ 12/11** )
- 13) Global Technocrats & Intellectual’s Association (**GTIA/ LM /114** )
- 14) Indian Society for Mathematical Modelling & Computer Simulation ( TBA )
- 15) Society of Engineering and Applied Sciences (SEAS)
- 16) Fractional Calculus and Application Group, Faculty of Science - Alexandria University, Egypt

### **Vibrant role**

- 1) Expert member of the Academic Audit Committee, Department of Mathematics, Marwadi University, Rajkot.
- 2) Member of the BOS Mathematics, Marwadi University, Rajkot.
- 3) Member of the BOS Mathematics, CVM University, Vallabh Vidyanagar.
- 4) Member of the BOS Mathematics, VNSGU, Surat.
- 5) Member of the BOS Mathematics, BVM University, Vallabh Vidyanagar
- 6) Member of the BOS Mathematics, Anand Commerce College, Anand
- 7) Member of the BOS Mathematics, Sardar Patel University, Vallabh Vidyanagar
- 8) Member Departmental IQAC, Sardar Patel University
- 9) Member Departmental Research Advisory Committee, Sardar Patel University
- 10) Member of DIQAC, Department of Mathematics, Sardar Patel University

- 11) Member in the committee constituted for Criterion I/II/III/IV/V/VI/VII, IQA and Extended Profile in SSR preparation (for 4<sup>th</sup> cycle) and in retaining the 'A' Grade, IQAC, Sardar Patel University
- 12) Member in the committee constituted for hosting the NAAC Peer Team Visit and in retaining the 'A' Grade, IQAC, Sardar Patel University

### 1. Details of Educational qualifications:

Degree	University	Year of passing
<b>Ph. D. (Mathematics)</b>	The Sardar Vallabhbhai National Institute of Technology (NIT), Surat.	July, 2008
<b>M. Phil.(Mathematics)</b>	The Sardar Patel University, V.V. Nagar.	July, 1997
<b>M. Sc.(Mathematics)</b>	The Maharaja Sayajirao University of Baroda, Vadodara.	April, 1995
<b>B.Sc.(Mathematics)</b>	The Maharaja Sayajirao University of Baroda, Vadodara.	May, 1993
<b>B.Sc. (Statistics)</b>	The Maharaja Sayajirao University of Baroda, Vadodara.	May, 1992

### 2. Title of Thesis:

- 1) **M. Phil.:** "Pseudo regularity in Commutative Banach algebras"
- 2) **Ph.D.:** "Generalization of Mittag-Leffler function and its Applications"

### 3. Details of Employments:

- (1) Working as **Professor (Since 22<sup>nd</sup> April, 2022)**, worked as **Associate Professor (20<sup>th</sup> April, 2018 to 21<sup>st</sup> April, 2022)** Department of Mathematics, Sardar Patel University, Vallabh Vidyanagar, Anand
- (2) Worked as **Associate Prof (3<sup>rd</sup> August, 2017 to 19<sup>th</sup> April, 2018)**, Department of Mathematics, Veer Narmad South Gujarat University, Surat
- (3) Worked as **Professor & Head**, Department of Mathematics, Faculty Technology and Engineering, Marwadi Educaion Foundation Group of Institutions (MEFGI), Rajkot-360003, since **19<sup>st</sup> August, 2014 to 2<sup>nd</sup> August, 2017**.
- (4) Worked as **Associate Prof. & Head (1<sup>st</sup> January 2010 to 14<sup>th</sup> August 2014)**, **Assistant Prof. & Head (1<sup>st</sup> April 2008 to 31<sup>st</sup> December 2009)**, **Lecturer (including senior scale) & Head (18<sup>th</sup> December 2000 to 31<sup>st</sup> March 2008)**, Department of Mathematical Sciences, Charotar University of Science and Technology, Changa.

### 4. PhD Students Guided:

- Completed- 3  
Ongoing- 4

### Selected Publications (SCI/SCOPUS/WoS)

- [1] “On a generalization of Mittag-Leffler function and its properties”, **Journal of Mathematical Analysis and Application** (pISSN 0022-247X, Impact Factor: 1.259), **336** (2007), 797–811, **ELSEVIER, U.S.A.** (with A. K. Shukla).
- [2] “Some properties of a class of polynomials suggested by Mittal”, **Proyecciones Journal of Mathematics** (ISSN 0716-0917, Impact Factor: 0.333), **26** (2) (2007), 145-156, **SciELO group, Latin America** (with A. K. Shukla).
- [3] “Generalization of a class of polynomials”, **Demonstratio Mathematica**, Walter de Gruyter, (ISSN 0420-1213, Impact Factor: 0.551), **40** (4) (2007), 819-826, **DE GRUYTER, Poland** (with A. K. Shukla).
- [4] “A general class of polynomials associated with generalized Mittag-Leffler function”, **Integral Transforms and Special Functions** (ISSN 1065-2469, Impact Factor: 0.810), **19** (1) (2008), 23-34, **Taylor & Francis, U.K.** (with A. K. Shukla).
- [5] “Some remarks on generalized Mittag-Leffler function”, **Proyecciones Journal of Mathematics** (ISSN 0716-0917, Impact Factor: 0.333), **28** (1) (2009), 27-34, **SciELO group, Latin America** (with A. K. Shukla).
- [6] “On Laguerre Transform in two Variables”, **Integral Transforms and Special Functions** (ISSN 1065-2469, Impact Factor: 0.810), **20** (6) (2009), 459-470, **Taylor & Francis, U.K.** (with A. K. Shukla and I. A. Salehbbhai).
- [7] “On sequence of functions”, **Communication in Korean Mathematical Society** (ISSN 1225-1763, Impact Factor: 0.31), **28** (1) (2013), 123-134, **Korean Mathematical Society, Korea** (with A. K. Shukla and I. A. Salehbbhai)
- [8] “Some properties of Generalized Hypergeometric Function”, **Communications of the Korean Mathematical Society** (ISSN Print: 1225-1763, ISSN Online: 2234-3024, Impact Factor: 0.31), **28** (2) (2013), 303-317, **Korean Mathematical Society, Korea** (with Ajay Kumar Shukla, S. B. Rao, Amit D. Patel).
- [9] “Some Results on Generalized Mittag-Leffler Function Operator”, **Journal of Inequalities and Applications** (eISSN: 1029-242X, Impact Factor: 0.82), **33** (2013), 1-6, **Springer** (R. K. Jana, R. K. Saxena and A. K. Shukla).
- [10] “Certain features of the Mittag-Leffler function with argument  $X^\alpha$ ”, **Italian Journal of Pure and Applied Mathematics** (ISSN 2239-0227, Impact Factor: 0.11), **30** (2013), 411-416, **Forum Societa Editrice Universitaria Udinese srl, Italy**
- [11] “Differential recurrence relation of Generalized  $k$ - Wright function” **International Journal of Pure and Applied Mathematics**, (pISSN 1311-8080, eISSN 1314-3395, Impact Factor: 2.13) **87** (4) (2013), 603-610, Academic Publications Ltd, **Bulgaria** (with Kuldeep Singh Gehlot and Bhailal P. Patel)
- [12] “Differential equation of Generalized  $k$ - Wright function” **International Journal of Pure and Applied Mathematics**, (pISSN 1311-8080, eISSN 1314-3395, Impact Factor: 2.13) **87** (4) (2013), 611-619, Academic Publications Ltd, **Bulgaria** (with Kuldeep Singh Gehlot and Bhailal P. Patel)
- [13] “A study of Saigo-Maeda fractional operators with generalized  $K$ -Wright function” **International Journal of Pure and Applied Mathematics**, (pISSN 1311-8080, eISSN 1314-3395, Impact Factor: 2.13), **93** (5) (2014), 715-728, Academic Publications Ltd, **Bulgaria** (with Kantesh Gupta and Meena Gurjar)
- [14] “Some Properties of Wright type Generalized Hypergeometric Function via Fractional Calculus” **Advances in Difference Equations**, (eISSN: 1687-1847, Impact Factor: 0.76), **119** (2014), 1-11, **Springer** (with S. B. Rao, A. D. Patel and A. K. Shukla).

- [15] “Some results due to Konhauser polynomials of first kind and Laguerre polynomials” **Applied Mathematics and Computation** (pISSN 0096-3003, Impact Factor: 1.672), **247** (2014), 639-650, **ELSEVIER** (with N. K. Ajudia and Praveen Agarwal)
- [16] “Rotations in three dimensions” **Journal of Interdisciplinary Mathematics, Taru Publications and Taylor & Francis, U.K.**, (pISSN: 0972-0502, eISSN: 2169-012X), **18** (1-2) (2015), 97-102, **Walter de Gruyter**, (with J. López-Bonilla and R. López-Vázquez)
- [17] “Solution of fractional partial differential equation arise in study of heat transfer through diathermanous materials” **Journal of Interdisciplinary Mathematics, Taru Publications and Taylor & Francis, U.K.**, (pISSN: 0972-0502, eISSN: 2169-012X), **18** (1-2) (2015), 125-132 (with Krunal B. Kachhia)
- [18] “Fractional Calculus of a unified Mittag-Leffler function”, **Ukrainian Mathematical Journal**, (pISSN: 0041-5995, eISSN: 1573-9376, Impact Factor: 0.212), **66** (8) (2015), 1267-1280, **Springer** (with B. V. Nathwani)
- [19] “Integral inequalities involving generalized Erdélyi-Kober fractional integral operators”, **Open Mathematics (formerly Central European Journal of Mathematics)**, (ISSN 2391-5455, Impact Factor: 0.578), **14** (2016), 89-99 (with D. Baleanu and S. D. Purohit)
- [20] “Some Integral Transforms and Fractional Integral formula for Extended Hypergeometric Functions” **Communications of the Korean Mathematical Society** (ISSN Print: 1225-1763, ISSN Online: 2234-3024, Impact Factor: 0.31), **31** (3) (2016), 591-601 (with Praveen Agrawal, J. Choi, Krunal Kachhia, Hui Zhou).
- [21] “Functions of Bounded Fractional Differential Variation- A New Concept” **Georgian Mathematical Journal**, (pISSN: 1072-947X, eISSN: 1572-9176, Impact Factor: 0.451), **23** (3) (2016), 417-427, **DE GRUYTER** (with Krunal B. Kachhia)
- [22] “Fractional calculus approach to study temperature distribution within a spinning Satellite” **Alexandria Engineering Journal**, (ISSN: 1110-0168, Impact Factor: 0.450), **55** (2016), 2345-2350, **ELSEVIER**, (with Krunal B. Kachhia and Shiv Prasad Kosta)
- [23] “On generalized fractional kinetic equations involving generalized Lommel-Wright Functions” **Alexandria Engineering Journal**, (ISSN: 1110-0168, Impact Factor: 0.450), **55** (2016), 2953-2957, **ELSEVIER**, (with Krunal B. Kachhia)
- [24] “Certain Properties of Gegenbauer polynomials via Lie Algebra”, **Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas**, (pISSN: 1578-7303, eISSN: 1579-1505, Impact Factor: 0.468), In press, **Springer** (with Krunal B. Kachhia, Praveen Agarwal and J. Choi)
- [25] “On a sequence of functions  $V_n^{(\alpha,\beta,\delta)}(x; a, k, s)$ ”, **Proyecciones Journal of Mathematics** (ISSN 0716-0917, Impact Factor: 0.333), **35** (4) (2016), 417-436, **SciELO group, Latin America** (with N. K. Ajudia).
- [26] “Some Integral Transforms Involving Extended Generalized Gauss Hypergeometric Functions” **Communications of the Korean Mathematical Society** (ISSN Print: 1225-1763, ISSN Online: 2234-3024, Impact Factor: 0.31), **31** (4) (2016), 779-790 (with Krunal Kachhia, J. Choi and S. D. Purohit)
- [27] “Fractional integrals and solution of fractional kinetic equations involving  $k$ -Mittag-Leffler function” **Transactions of A. Razmadze Mathematical Institute, ELSEVIER**, **171** (2017), 144–166 (with Mehar Chand and Ebenezer Bonyah)
- [28] “Spline collocation approach to study Brachistochrone problem” **Proyecciones Journal of Mathematics** (ISSN 0716-0917, Impact Factor: 0.333), **38** (2) (2019), 351-360, **SciELO group, Latin America** (with Pinky Shah)

- [29] “On flow of electric current in RL circuit using Hilfer type composite fractional derivative **Proyecciones Journal of Mathematics** (ISSN 0716-0917, Impact Factor: 0.333), **38** (4) (2019), 633-645, **SciELO group, Latin America** (with K.B.Kachhia, K.S.Pandya, R.B.Jadeja)
- [30] “Fractional Calculus and Applications of family of extended generalized Gauss hypergeometric Functions”, **Discrete & Continuous Dynamical Systems – S, American Institute of Mathematical Sciences** (ISSN:1937-1632 eISSN: 1937-1179, Impact Factor 1.233), **13**(3) (2020), 539-560 (doi:10.3934/dcdss.2020030) (with Mehar Chand, Ebenezer Bonyah and Jatinder Kumar Bansal)
- [31] “Generalized iterative method for the solution of linear and nonlinear fractional differential equations with composite fractional derivative operator”, **AIMS Mathematics** (Journal of American Institute of Mathematical Sciences), (ISSN 2473-8988, Impact Factor: 0.879), **5**(4) (2020), 2888–2898 (with Krunal Kachhia)
- [32] “On generalized sequence of functions  $B_{qn}^{(\alpha,\beta,\gamma,\delta)}(x; a, k, s)$ ” **Thai Journal of Mathematics**, (ISSN 1686-0209, Impact Factor 0.5), **19**(1) (2021), 221-231 (With N. K. Ajudia and V. N. Mishra)
- [33] “A study on unsteady flow through porous media: A cubic spline collocation approach”, **Journal of Interdisciplinary Mathematics**, (ISSN 0972-0502, Impact Factor 1.7), **24**(5) (2021), 1375-1386 (With P. Shah and P. Tandel)
- [34] “Fractional Integral and Differentiation of the j-generalized p - k Mittag-Leffler Function”, **Ganita**, (ISSN 0046-5402), **72**(1) (2022), 49-55 (With K.S. Gehlot and A. Bhandari)
- [35] “Solution of generalized fractional kinetic equations with generalized Mathieu series” **Georgian Mathematical Journal**, (pISSN: 1072-947X, eISSN: 1572-9176, Impact Factor: 0.8), **31** (2) (2024), 187-193, **DE GRUYTER** (With Mehar Chand and Özen Özer)
- [36] “Functions of bounded fractional differential variation: A new Banach algebra”, **Annals of the Alexandru Ioan Cuza University – Mathematics**, (pISSN: 1221-8421, eISSN: 2344-4967), **71** (2) (2025), 103-117 (With Sudhir Kumar)
- [37] “On certain type of lower Hessenberg-Toeplitz matrices and Ramanujan’s tau functions”, **Advanced Studies in Contemporary Mathematics**, (pISSN: 1229-3067, eISSN: 2508-7908), **35** (4), (2025), 345-353 (With A. Petojevic, T. Kim and Lopez-Bonilla)
- [38] “On a certain relationship between Euler’s totient and partition function”, **Advanced Studies in Contemporary Mathematics**, (pISSN: 1229-3067, eISSN: 2508-7908), **35** (4), (2025), 313-321 (With M. Alegri, T. Kim and Lopez-Bonilla)
- [39] “Absolutely Fractional Differentiable Functions: Results, Examples and Counterexamples”, **Examples and Counterexamples**, (eISSN: 2666-657X), **8**, (2025), article number 100207, (With Sudhir Kumar)
- [40] “Certain properties of the Wright function”, **Journal of interdisciplinary mathematics**, (pISSN: 0972-0502, eISSN: 2169-012X), **29** (4), (2026), 909-925, (With Bhaven V. Zala)

### **Communicated for Publications (SCI/SCOPUS/WoS)**

- [1] “*Certain Properties of Fractional Differential Variation Function*”, (with Sudhir Kumar)
- [2] “*Functions of bounded fractional differential variation: A new generalization*”, (with Sudhir Kumar)
- [3] “*Some properties of absolutely fractional differentiable functions associated with Banach algebra*”, (with Sudhir Kumar)
- [4] “*Functions of bounded integral variation-A novelty concept*”, (with Sudhir Kumar)
- [5] “*Functions of bounded fractional integral variation: A new generalisation (using Riemann-Liouville fractional integration)*”, (with Sudhir Kumar)
- [6] “*Functions of bounded generalized fractional differential variation: results and examples*”, (with Sudhir Kumar)
- [7] “*Leibniz rules for Caputo fractional derivatives*”, (with Sudhir Kumar)
- [8] “*Some Integral Formulas Involving the Wright Function*”, (with Bhaven V. Zala)
- [9] “*A Study of the Hermite Polynomials Associated With Mittag-Leffler Function: A Novelty Approach*”, (with Bhaven V. Zala)
- [10] “*Some Results on the Wright Function: Differential Properties, Recurrence Relations, and Decomposition*” (with Bhaven V. Zala)
- [11] “*A study of Windschitl-type Approximation for the Gamma function: A generalized concept*” (with Hasti P. Rudani)

### **BOOK Chapter Published**

- 1) “*Pseudo Regularity in Commutative Banach Algebras*”, **Advances in Mathematics Research**, Volume 18, Chapter 5, pp. 187-222, Editor: Albert R. Baswell, NOVA SCIENCE PUBLISHERS, INC. 400 Oser Avenue, Suite 1600 Hauppauge, NY 11788-3619, USA © 2013, ISBN: 978-1-62417-930-3
- 2) “*Certain Image Formule and Fractional Kinetic Equations Involving Extended Hypergeometric Functions*” **Advances in Real and Complex Analysis with Applications (under Trends in Mathematics)**, Chapter 1, pp. 1-32, Editors: Michael Ruzhansky, Praveen Agarwal, Yeol Je Cho, Ivan Area, **Birkhauser**, © Springer Nature Singapur Pte Ltd, 2017 ISBN: 978-981-10-4337-6 (with Krunal Kachhia and Praveen Agarwal)
- 3) “*Introduction to Class of Uniformly Fractional Differentiable Functions*” **Mathematical Modelling, Applied Analysis and Computation**, Chapter 6, pp. 103-112, **Editors:** Jagdev Singh, Devendra Kumar, Hemen Dutta, Dumitru Baleanu, Sunil Dutt Purohit, **Springer**, © Springer Nature Singapore Pte Ltd. 2019, ISBN 978-981-13-9607-6 ISBN 978-981-13-9608-3 (eBook) (with Krunal Kachhia)

- 4) “*Certain Properties of Konhauser Polynomial via Generalized Mittag-Leffler Function,*” **Fractional Calculus**, Chapter 11, pp. 119-214, **Editors:** Praveen Agarwal, Dumitru Baleanu, YangQuan Chen, Shaher Momani, José António Tenreiro Machado **Springer**, © Springer Nature Singapore Pte Ltd. 2019, ISBN 978-981-15-0429-7 ISBN 978-981-15-0430-3 (eBook) (with N. K. Ajudia, Shilpi Jain, Anjali Goswami and Praveen Agarwal)

The following chapters have been published in **Fractional Differential Equations**, Chapters 3, 4, 5, 8, 14, **Editors:** Praveen Agarwal, Carlo Cattani, and Shaher Momani, **Academic Press**, © 2024 by Elsevier Inc., ISBN 978-0-443-15423-2

- 5) “*Certain Properties of Generalized Mittag-Leffler Operators*”, Chapter 3 (With Prashantkumar Patel)
- 6) “*Differential operational techniques and applications*”, Chapter 4 (With Nareshkumar Ajudia)
- 7) “*Some results on Wright function*”, Chapter 5 (With Bhailal P. Patel, Kuldeepsinh Gehlot and Shilpi Jain)
- 8) “*Congruence between mild and classical solutions of generalized fractional impulsive evolution equation*”, Chapter 8 (With Prakashkumar H. Patel and Haribhai R. Kataria)
- 9) “*Solutions of nonlinear time fractional Klein-Gordon equations using composite fractional derivatives*” Chapter 14 (With Krunal B. Kachhia)

#### **INVITED TALK IN SEMINAR/CONFERENCE/STTP/SDP**

- [1] “*A fractional Calculus approach in study of Generalized Mittag Leffler Function*” **Centenary year of the Indian Mathematical Society (IMS, 1907-2007), 73<sup>rd</sup> Annual Conference**, at Department of Mathematics, University of **Pune**, during December 27-30, **2007**
- [2] “*On new sequence of Functions*”, **Conference on Special Functions and their Applications & Symposium on Computational and Biological Mathematics**, at School of Mathematics & Allied Sciences, Jiwaji University, **Gwalior**, during June 21-23, **2010**.
- [3] “*Some problems of Analysis*”, **Staff development programme**, at L. J. Institute of Engineering & Technology, **Ahmedabad**, during June 21-July 2, **2010**
- [4] “*Cauchy Functional Equations*” **47<sup>th</sup> annual Conference** of Gujarat Ganit Mandal, at Multi purpose high school, Udwarda, **Valsad**, during October 21-23, **2010**
- [5] “*A note on certain operational representations for the Laguerre polynomials*” **76<sup>th</sup> annual conference of Indian Mathematical Society**, at Department of Applied Mathematics and Humanities, National Institute of Technology, **Surat**, during December 27-31, **2010**
- [6] “*Unification of a generalized Mittag-Leffler function and certain hypergeometric function and its properties*” **International Conference on Special Functions and their Applications (ICSFA-2011) & Symposium on “Life and Works of Ramanujan**”, at Department of Mathematics and Statistics, J. N. Vyas University, **Jodhpur**, during July 28-30, **2011**
- [7] “*On Mittag-Leffler type functions*” **14<sup>th</sup> International Conference of International Academy of Physical Sciences (CONIAPS-XIV)** at National Institute of Technology, **Surat**, during December 22-24, **2011**
- [8] “*Some problems of Mathematics*”, **NATIONAL SEMINAR Advances in Mathematics: Historical Developments & Engineering Applications (NSAM-2012)** at Department of Mathematics, Institute Computer & Communication Technology (ICCT), **New Vallabh Vidyanagar** during January 9-11, **2012**

- [9] “*Laplace Transforms of some well-known Special Functions*” **International Conference on Special Functions and their Applications (ICSFA-2012) & Symposium on “Life and Works of Ramanujan”** at National Institute of Technology, **Surat**, during June 27-29, **2012**
- [10] “*Some problems of Mathematics*”, **Academic Staff College**, Sardar Patel University, Vallabh Vidyanagar on March 5, **2013**
- [11] “*Differential recurrence relation of Generalized K-Wright function*” **International Conference on Special Functions and their Applications (ICSFA-2013) & Symposium on “Life and Works of Ramanujan”** at National Institute of Technology, **Jaipur**, during December 13-15, **2013**
- [12] “*Mathematics Today and Tomorrow*” **State level sensitization programme on Mathematics for Teachers**”. This Project is supported by Vigyan Prasar, Department of Science & Technology, Govt. of India, New Delhi (as part of Nationwide Sensitization Programme on Mathematics for Teachers) at Manthan Narmada Lok Vigyan Kendra, Govt. School Campus, Station Road, Rajpipla, during December 20-21, **2013**.
- [13] “*Indeterminate forms*” at **L. E. College (Govt. Engineering college)**, Morbi under **TEQIP** for 1<sup>st</sup> semester Engineering students. Total numbers of 473 students were present on 15<sup>th</sup> October, **2014**.
- [14] “*On Eulers Integral*” **International Conference on Special Functions and their Applications (ICSFA-2015) & Symposium on “Fractional Calculus and its Applications to Special Functions”** at Amity University, **Noida**, during September 10-12, **2015**
- [15] “*Beta functions of first kind and double summation formulae*”, **24<sup>th</sup> International Conference on Finite and Infinite Dimensional Complex Analysis and Applications (ICFIDCAA)** at Anand International College, **Jaipur**, during August 22-26, **2016**
- [16] “*Factorial Functions*”, **Engineer’s Day Celebration** at Marwadi University, Rajkot, September, 15, **2016**
- [17] “*Applications of Mathematics in Engineering*”, A short-term training on **Applications of Mathematics and Physics in Engineering**, (APME-2018) at G H Patel College of Engineering and Technology, **Vallabh Vidyanagar**, April 30-May 5, **2018**
- [18] “*Problems on Complex Analysis*”, **National Workshop on Problem Solving in Mathematics-IX**, Department of Mathematics, Sardar Patel University, **Vallabh Vidyanagar**, May 2-7, **2018**
- [19] “*Probability Distribution and Applications*”, **TEQIP-III Sponsored Faculty Development Programme on “Advanced Methodology and Modelling Techniques”** organized by Rajasthan Technical University, Kota and Anand International College of Engineering, **Jaipur**, June 15-19, **2018**
- [20] “*Double Summation Formulae*”, **International Conference on Mathematical Modeling, Applied Analysis and Computation-2018** at JECRC University, **Jaipur**, July 6-8, **2018**
- [21] “*Applications of Weierstrass theorem*”, **TEQIP-III Sponsored National Conference on Recent Advances in Mathematical Applications for Science, Engineering & Management and 30<sup>th</sup> Annual Conference of Rajasthan Ganita Parishad** organized by Rajasthan Technical University, Kota and Shekhawati Institute of Engineering and Technology, **Sikar**, February 26-27, **2019**
- [22] “*Statistical Analysis*”, **TEQIP-III Sponsored Faculty Development Programme on “Introduction to LaTeX and Multivariate Analysis”** organized by Rajasthan Technical University, Kota and Anand International College of Engineering, **Jaipur**, June 1-5, **2019**
- [23] Two sessions on “*Matrix Algebra*” and two sessions on “*Special Functions*”, **52<sup>nd</sup> Refresher Course: Mathematics & Statistics**, Academic Staff College, Sardar Patel University, **Vallabh Vidyanagar**, September 23, 24 and 26, **2019**

- [24] “*Some useful special functions of Technology and Engineering*”, **International Conference on History and Recent developments in Mathematics with Applications in Science and Technology & Symposium on fixed point theory in memory of Prof. S.L.Singh**, organized by MBICT and Indian society of History of Mathematics, **New Vallabh Vidyanagar** during December 17-19, **2019**
- [25] “*Problems on Special Function Theory*” (two sessions of one and half hour each), **Workshop on Problem Solving in Mathematics-X** organized at and by Department of Mathematics, Sardar Patel University, **Vallabh Vidyanagar**, February 17-22, 2020
- [26] “*Geodesics on unit Sphere: A Differential Geometry Approach*”, **Two days online webinars** organized by J.N.M. Patel Science College, **Surat**, June 18-19, **2020**
- [27] “*Applications of Partial Differential Equations*” (online lecture), **TEQIP-III Sponsored Faculty Development Programme on “Applications of Mathematical Sciences in Engineering and Technology”** organized by Rajasthan Technical University, Kota at SKIT, **Jaipur**, September 23-27, **2020**
- [28] “*Sturm-Liouville fractional differential equations and Conversion*” **Online STTP on Fractional Calculus: Foundations to Frontiers**, organized by SVNIT, **Surat**, December 28 to January 1, 2021
- [29] “*Development of Error functions and their properties*” **Online workshop on Mathematical tools and Techniques for Scientists and Engineers**, organized by SVNIT, **Surat**, December 6-10, **2021**
- [30] “*Applications of Total differentials*” **47<sup>th</sup> annual Conference of Gujarat Ganit Mandal**, at M.N.J. Patel Higher Secondary School, **Surat**, December 27-29, **2021**
- [31] Delivered an expert talk on “*Some useful Concepts for Engineering Mathematics*” at Swarnim Startup and Innovation University, **Ahmedabad**, December 21, 2023.
- [32] Delivered an expert talk as a Keynote Speaker, **National Seminar on Recent Trends in Mathematics** at the Department of Mathematics, Maharaja Krishnakumarsinhji Bhavnagar University, **Bhavnagar**, March 11, 2024
- [33] Delivered an expert talk on “*Trace and Determinants: An Abstract Concept*”, **Faculty Development Programme**, organised by the Department of Mathematics, St. Joseph’s College (Arts and Science), **Kovur, Chennai**, September 24, 2024
- [34] Delivered an invited talk on “*Multifactorial: A Generalised Concept*”, **8<sup>th</sup> International Conference on Mathematical Modelling, Applied Analysis and Computation-2025 (ICMMAAC-25)**, Organised by Department of Mathematics, School of Sciences, JECRC University, Jaipur, in association with Indian Institute of Technology, Mandi, Lebanese American University, Lebanon, Jaipur Mathematical Society, Jaipur, August 01-03, 2025.
- [35] Delivered an invited talk on “*On Family of Laguerre polynomials*” **International Conference on Special Functions & Applications (ICSFA-2025) & Symposium on Geometric Function Theory & Applications**, Organised by Department of Mathematics, Ramanujan School of Mathematical Sciences, Pondicherry University, Puducherry, November 20--22, 2025.
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