

# Curriculum Vitae

**Dr. Meera Hardevsinh Chudasama**  
**Assistant Professor**

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## Educational Qualifications:

- Successfully completed the **Doctor of Philosophy** in Mathematics with the thesis entitled “*A new class of special functions suggested by the generalized Hypergeometric function and its q-analogue*” from The Maharaja Sayajirao University of Baroda, Vadodara under the guidance of **Prof. B. I. Dave** in the year 2017.
- Successfully completed the **Master of Philosophy** in Mathematics from The Maharaja Sayajirao University of Baroda, Vadodara with 79.83% in the year 2013.
- Successfully completed the **Master of Science** in Mathematics from The Maharaja Sayajirao University of Baroda, Vadodara with 79.35% in the year 2009.
- Successfully completed the **Bachelor of Science** in Mathematics from The Maharaja Sayajirao University of Baroda, Vadodara with 67% in the year 2007.

## Professional Experience:

- Working as an Assistant Professor in the Department of Mathematics, Sardar Patel University, Vallabh Vidyanagar, Anand from July, 2021 to till date.
- Worked as an Assistant Professor in the department of Mathematical Sciences, P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Changa, Anand from June, 2017 to July, 2021.
- Worked as a visiting faculty in The Maharaja Sayajirao University of Baroda, Vadodara from September, 2016 to May, 2017.
- Worked as an Assistance Professor in Vadodara Institute of Engineering, Kotambi, Halol, Vadodara from August, 2012 to May, 2013.
- Worked as an Assistant Professor in Dr. Jivraj Mehta Institute of Technology, Mogar, Anand, from July, 2010 to July 2012.

## Publications:

- The paper entitled “*A study of the right local general truncated  $SM$ -fractional derivative*” by Meera H. Chudasama and Rajendrakumar B. Chauhan has been published online in the journal: Communications of the Korean Mathematical Society (ISSN 1225-1763) (0.286-SJR) (22/07/2021) <https://doi.org/10.4134/CKMS.c210098>

- The paper entitled “*A new extension of Bessel function*” by Meera H. Chudasama has been published in the journal: Communications of the Korean Mathematical Society (ISSN 1225-1763) Commun. Korean Math. Soc. 2021 Vol. 36, No. 2, 277-298. (0.286-SJR) (16/11/2020) <https://doi.org/10.4134/CKMS.c200202>
- The paper entitled “*A new class of functions suggested by generalized hypergeometric function*” by Meera H. Chudasama and B. I. Dave has been published in the journal: Analele științifice ale Universității “Al. I. Cuza” din Iași. Matematică (SERIE NOUĂ) (ISSN 1221-8421) volume – LXV, 2019, f. 1: 19-36 (2019) (0.231-SJR) (UGC-3735) (22/11/2019)
- The paper entitled “*Certain properties of the  $q$ - $\ell$ - $\Psi$  Bessel function*” by Meera H. Chudasama” has been published online in the journal: Bollettino dell’ Unione Matematica Italiana (Springer) (ISSN 1972-6724) volume – 11(3) : 377-393 (2018) (0.21-SJR) (UGC-15145) (24/09/2018) <https://doi.org/10.1007/s40574-017-0139-8>  
<https://www.scopus.com/sourceid/11300153723>
- The paper entitled “*A new class of functions suggested by the generalized basic hypergeometric functions*” by Meera H. Chudasama and B. I. Dave has been published in the journal: Journal of Indian Mathematical Society. (ISSN 0019-5839) volume – 84(3-4): 161-181. (July-2017) (0.11-SJR) (UGC-11064) DOI: [10.18311/jims/2017/14969](https://doi.org/10.18311/jims/2017/14969)
- The paper entitled “*A new class of functions suggested by the  $q$ -hypergeometric functions*” by Meera H. Chudasama and B. I. Dave has been published in the journal: The Mathematics Student (ISSN 0025-5742), volume – 85(3-4): 47-61. (December-2016)
- The paper entitled “*Some new class of special functions suggested by the confluent hypergeometric function*” by Meera H. Chudasama and B. I. Dave has been published in the journal: Annali Dell’ Universita’ Di Ferrara, Sezione VII- Scienze Matematiche (Springer) (ISSN 0430-3202), volume –62(1):23-38. (May-2016) (0.38-SJR) (UGC-15484)
- The paper entitled “*A new generalization of  $q$ -hypergeometric function*” by Meera H. Chudasama” has been published in the journal: Bollettino dell’ Unione Matematica Italiana (Springer) (ISSN 1972-6724), volume -8(4):239-256. (2016) (0.21-SJR) (UGC-15145)

**Book:** A thesis book entitled “A New Class of Special Functions Suggested by the Generalized Hypergeometric Function and Its  $q$ -Analogue” has been published with ISBN number: 978-1392-50917-3, [ProQuest LLC Book](#)

### **Talks Delivered:**

- Delivered a talk as a resource person in National workshop on Problem Solving in Mathematics-IX (May 2-7, 2018) at Sardar Patel University, Vallabh Vidyanagar, Anand on May 4, 2018.
- Delivered a talk as a resource person in National workshop on Problem Solving in Mathematics-X (February 17-22, 2020) at Sardar Patel University, Vallabh Vidyanagar, Anand on February 22, 2020.
- Delivered a talk as an expert in National workshop on “Application of Numerical

Methods for Medical Science & Engineering” organized by Swarnnim Institute of Technology, Swarnnim Startup & Innovation University, Gandhingar on August 25, 2021.

### **Conferences and Workshops:**

- Presented the paper entitled “*On a unification of Mittag-Leffler function and Wright function*” at the **International Conference (ICMMAAC-2020)** during August 07-09, 2020 (online mode) organized by Department of Mathematics, Faculty of Science, JECRC University, Jaipur, Rajasthan.
- Presented the paper entitled “*A new generalization of generalized basic Hypergeometric function*” at the **International Conference (ICSFA-2017)** during November 02-04, 2017 held at Department of Mathematics, College of Engineering and Technology, Bikaner, Rajasthan.
- Presented a paper entitled “*A new class of Bessel function*” in **International conference** on pure and applied Mathematics during 13-14 February, 2017 sponsored by **UGC-NBHM** held at Mohanlal Sukhadia University, Udaipur, Rajasthan.
- Presented a paper entitled “*Another generalization of basic hypergeometric function*” in **National workshop** on Analysis, Differential equations & Applications during 25-27 February, 2016 sponsored by **UGC-NBHM** held at Mohanlal Sukhadia University, Udaipur, Rajasthan.
- Presented the paper entitled “*Some New Functions Suggested by Generalized Hypergeometric function*” at the **International Conference (ICSFA-2015)** during September 10-12, 2015 held at Amity University, Noida (U.P.).
- Presented the paper entitled “*Extended Hypergeometric function and Its Properties*” in the **National Conference on Current development in Analysis and It's Applications** (Sponsored by **UGC**) during March 14-15, 2015 held at The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat.
- Presented the paper entitled “*An Extension of Mittag-Leffler function and Wright Function*” in the **International Conference The Works of Srinivas Ramanujan & Their Applications in Science and Engineering** on December 22-23, 2014 at Rustamji Institute of Technology, BSF Academy, Takenpur, Gwalior (M.P.)
- Participated in **DST** sponsored “2014 **SERB** School” on *Matrix Methods & Fractional Calculus* during April 28, 2014 - May 23, 2014 (4 weeks) at KFRI (Peechi), KERALA organized by Center for Mathematical and Statistical Sciences.
- Attended the First Online Conference On Modern Fractional Calculus And Its Applications (OCMFCA-2020) organized by Biruni University, Istanbul, Turkey in online mode during December 4-6, 2020.
- Attended one day state level seminar on “Emerging Trends in Mathematics Modeling for Engineering Research” on 7<sup>th</sup> January, 2012 held at Vadodara Institute of Engineering, Halol, Vadodara.
- Attended **ICM 2010 Satellite conference** on Dynamical Systems, August, 29–September, 1, 2010 held at Department of Mathematics, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara.

### **Organized Events:**

- Contributed as a member of the organizing committee and chair sessions on 25-09-2020 in the Virtual Lecture Series on “Theory and Applications of Special Functions and Fractional Calculus ”organized by Department of Mathematical Sciences, P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Changa (388421), Gujarat, India held during 25 -27 September, 2020.
- Contributed as a member of the organizing committee in the GUJCOST (DST, Govt. of Gujarat) sponsored National Workshop on “Statistical Data Analysis Using R - studio and R Programming” organized by Department of Mathematical Sciences, P. D. Patel Institute of Applied Sciences (PDPIAS), Charotar University of Science and Technology (CHARUSAT), Changa, Anand, Gujarat, India held during 30<sup>th</sup> October to 1<sup>st</sup> November, 2020.

### **Awards:**

- Awarded Dr. M. S. Patel Post Graduate Scholarship for securing the highest number of marks in M.Sc. (Previous), Mathematics examination of April/May, 2008.
- Awarded First prize in Free Training in Typesetting in Mathematics by using LaTeX at Center for Mathematical and Statistical Sciences, Peechi Campus, Kerala during 2014 SERB School.
- The CHARUSAT Research paper Award has been awarded for research publication in WoS/Scopus journals on January 28, 2021.

### **Life-Time-Memberships:**

- Society for Special Functions & their Applications – SSFA
- Indian Society for Technical Education – ISTE
- Gujarat Ganit Mandal - GGM