

CURRICULUM-VITAE

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Dr. Rakesh Kumar Parmar

Assistant Professor

Department of Mathematics

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Research Interest

Special Functions, Fractional calculus, Integral Transforms.

International Visits

1. Delivered a talk on "**The Incomplete Srivastava's Triple Hypergeometric Functions γ_B^H and Γ_B^H** " in The 22nd International Conference on Finite or Infinite Dimensional Complex Analysis and Applications held on 08-11 August 2014 at **Dongguk University, Gyeongju, South Korea** .
2. Delivered a talk on "**On the Extension of Hurwitz-Lerch Zeta Function of Two Variables**" in The 23rd International Conference on Finite or Infinite Dimensional Complex Analysis and Applications held on 24-28 August 2015 at **Kyushu Sangyo University, Fukuoka, Japan**.
3. Delivered a talk titled "**Fractional Calculus of the (p, q)-extended Struve function**" The 25th International Conference on Finite or Infinite Dimensional Complex Analysis and Applications held on 26-30 June 2017 at **The University of Hong Kong, Hong Kong**.

International/National Research Collaborative

1. **Prof. Junesang Choi**, Department of Mathematics, Dongguk University, Gyeongju 780-714, Republic of Korea
2. **Prof. H. M. Srivastava**, Professor Emeritus, Department of Mathematics and Statistics, University of Victoria, Victoria, British Columbia, V8W 3R4, Canada.
3. **Prof. Richard B. Paris**, School of Engineering, Computing and Applied Mathematics, University of Abertay Dundee, Dundee DD1 1HG, UK
4. **Prof. Tibor K. Pogany**, Faculty of Maritime Studies, University of Rijeka, Rijeka, Croatia.
5. **Prof. Djurdje Cvijovic**, Atomic Physics Laboratory, Vinča Institute of Nuclear Sciences, Belgrade; Republic of Serbia.
6. **Prof. Gradimir V. Milovanovic**, Full member of the Serbian Academy of Sciences and Arts, Mathematical Institute of SASA, Belgrade, Serbia
7. **Prof. Min-Jie Luo**, Department of Mathematics, East China Normal University Shanghai 200241, Republic of China
8. **Prof. Dong Myung Lee**, Department of Mathematics Education, Wonkwang University, Iksan 570-749, Korea.
9. **Prof. Dumitru Baleanu**, Department of Mathematics and Computer Sciences, Faculty of Arts and Sciences, Cankaya University-06530, Ankara, Turkey & Institute of Space Sciences, Magurele-Bucharest, Romania.
10. **Prof (Dr.) R. K. Saxena**, Professor Emeritus of Mathematics, Former Dean, Faculty of Science & Professor and Head, Department of Mathematics and Statistics, Jai Narain Vyas University, Jodhpur - 342 004, Rajasthan, India
11. **Prof. Yongsup Kim**, Department of Mathematics, Wonkwang University, South Korea
12. **Prof. R. K. Raina**, Department of Mathematics, M.P. University of Agri. and Technology, Udaipur, Rajasthan, State, India.
Present address: 10/11 Ganpati Vihar, Opposite Sector 5, Udaipur- 313002, India
13. **Prof. S. L. Kalla**, Department of Mathematics, Vyas Institute of Higher Education, Jodhpur-342001, Rajasthan State, India
14. **Prof. M. A. Pathan**, Centre for Mathematical and Statistical Sciences (CMSS), KFRI, Peechi P.O., Thrissur, Kerala-680653, India
15. **Prof. Dumitru Baleanu**, Department of Mathematics and Computer Sciences, Faculty of Art and Sciences, Cankaya University, Ankara, Turkey.

Research Paper Publication/Accepted /To Appear/In Press

1. Junesang Choi and **Rakesh K. Parmar**, The Incomplete Lauricella and Fourth Appell Functions, *Far East Journal of Mathematical sciences*, **96**, (2015), 315–328. (SCOPUS)
2. Junesang Choi, **Rakesh K. Parmar** and P. Chopra, The Incomplete Srivastava's Triple Hypergeometric Functions γ_B^H and Γ_B^H , *Filomat*, **30 (7)**, (2016), 1779-1787. (SCIE)
3. Junesang Choi, **Rakesh K. Parmar** and P. Chopra, The Incomplete Lauricella and First Appell Functions and Associated Properties, *Honam Mathematical Journal*, **36** (2014), 531–542. (Mathematical Reviews and zbMATH)
4. **Rakesh K. Parmar** and R.K. Raina, On a Certain Extension of the Hurwitz-Lerch Zeta Function, *Analele Universitatii de Vest Timisoara, Seria Matematica Informatica*, **2** (2014), 157–170. (Mathematical Reviews)
5. **Rakesh K. Parmar**, A new generalization of Gamma, Beta, hypergeometric and confluent hypergeometric functions, *Le Matematiche (Catania)*, **69** (2013), 33–52.
6. H. M. Srivastava, **Rakesh K. Parmar** and P. Chopra, A Class of Extended Fractional Derivative Operators and Associated Generating Relations Involving Hypergeometric Functions, *Axioms*, **1** (2012), 238–258. (ESCI)
7. H. M. Srivastava, **Rakesh K. Parmar** and M. M. Joshi, Extended Lauricella and Appell functions and their associated Properties, *Adv. Stud. Contemp. Math.*, **25(2)** (2015), 151–165. (SCOPUS)
8. J. Choi, A. K. Rathie and **Rakesh K. Parmar**, Extension of extended beta, hypergeometric and confluent hypergeometric functions, *Honam Mathematical Journal*, **36(2)** (2014), 339-367. (Mathematical Reviews and zbMATH)
9. **Rakesh K. Parmar**, Some generating relations for generalized extended hypergeometric functions involving generalized fractional derivative operator, *Journal of Concrete and Applicable Mathematics*, **12** (2014), 217–228. (Mathematical Reviews and zbMATH)
10. D. M. Lee, A. K. Rathie, **Rakesh K. Parmar** and Y. S. Kim, Generalization of Extended Beta Function, Hypergeometric and Confluent Hypergeometric Functions, *Honam Mathematical Journal*, **33**, (2011), 187–206.

11. **Rakesh K. Parmar**, M. M. Joshi and N. S. Solanki, Further extensions and evaluations of certain Euler type integrals, *Proceedings of the 12th Annual Conference of the Society for Special Functions and Their Appl.(SSFA)*, **12** (2013), 55–67.
12. **Rakesh K. Parmar**, Extended τ -Hypergeometric Functions and Associated Properties, *Comptes Rendus Mathematique*, **353** (2015), 421–426. (SCI Journal)
13. **Rakesh K. Parmar**, Some results involving series representations of hypergeometric functions, *Journal of Inequalities and Special Functions*, **3**(2) (2012), 46–52. (Mathematical Reviews, ESCI and zbMATH)
14. **Rakesh K. Parmar**, S. D. Purohit and M. M. Joshi, Some properties of the generalized complete and incomplete beta functions, *Journal of Science and Arts*, **31**(2) (2015), 151–157. (ESCI and zbMATH)
15. **Rakesh K. Parmar** and P. Chopra, Generalization of Incomplete Extended Beta Function and Beta Distribution, *International Journal of Engineering Research and Development*, **2** (4), (2012).
16. **Rakesh K. Parmar**, P. Chopra and R. B. Paris, On an Extension of Extended Beta and Hypergeometric Functions, *Journal of Classical Analysis*, **11**(2) (2017), 91–106. (SCOPUS Journal)
17. S.L. Kalla, **Rakesh K. Parmar** and S. D. Purohit, Some τ -extensions of Lauricella functions of several variables, *Communication of the Korean Mathematical Society*, **30**(3) (2015), 239–252. (SCOPUS Journal)
18. J. Choi, **Rakesh K. Parmar** and R.K. Raina, Extension of Generalized Hurwitz-Lerch Zeta Function and Associated Properties, *Kyungpook Mathematical Journal*, In Press (2017). (SCOPUS Journal)
19. **Rakesh K. Parmar** and R.K. Saxena, The incomplete generalized τ -hypergeometric and second τ -Appell functions, *Journal of the Korean Mathematical Society*, **53** (2) (2016), 363–379. (SCIE Journal)
20. **Rakesh K. Parmar**, A Class of Extended Mittag-Leffler Functions and Their Properties Related to Integral Transforms and Fractional Calculus, *mathematics*, **3** (2015), 1069–1082. (ESCI and zbMATH)
21. H. M. Srivastava, **Rakesh K. Parmar** and P. Chopra, Some Families of Generalized Complete and Incomplete Elliptic-Type Integrals, *J. Nonlinear Sci. Appl*, **10** (2017), 1162–1182. (SCIE Journal)

22. **Rakesh K. Parmar**, Min-Jie Luo and R.K. Raina, On a Multivariable Class of Mittag-Leffler Type Functions, *Journal of Applied Analysis and Computation*, Vol. 6(4), 2016, 981–999. (SCIE Journal)
23. **Rakesh K. Parmar**, S. D. Purohit, K.S. Nisar and M. Aldaifallah, On a generating function involving generalized second Appell function, *Journal of Science and Arts*, **32**(1) (2015), 225–228. (ESCI and zbMATH)
24. N. Menaria, S. D. Purohit and **Rakesh K. Parmar**, On a new class of integrals involving generalized Mittag-Leffler function, *Surveys in Mathematics and its Applications*, **11** (2016), 1–9. (Mathematical Reviews and zbMATH)
25. D. Baleanu, **Rakesh K. Parmar** and S. D. Purohit, A class of generating functions involving extended Appell hypergeometric function, *Analele Universitatii Oradea Fasc. Matematica*, Vol. **23**(2) (2016), 69-73. (Mathematical Reviews and zbMATH)
26. Junesang Choi, **Rakesh K. Parmar** and P. Chopra, Extended Mittag-Leffler function and associated fractional calculus operators, *Georgian Mathematical Journal*, (2016), Accepted. (SCIE Journal)
27. **Rakesh K. Parmar** and Tibor K. Pogany, Extended Srivastava's triple hypergeometric $H_{A,p,q}$ function and related bounding inequalities, *Journal of Contemporary Mathematical Analysis*, (2016), In Press. (SCIE Journal)
28. **Rakesh K. Parmar** and R. K. Saxena, Incomplete Extended Hurwitz-Lerch zeta functions and Associated Properties, *Communication of the Korean Mathematical Society*, In Press (2016). (SCOPUS Journal)
29. **Rakesh K. Parmar** and S.D. Purohit, Certain integral transforms and fractional integral formulas for the extended hypergeometric functions, *TWMS Journal of Applied and Engineering Mathematics* ,Vol. 7(1) (2017), 74-81. (ESCI Journal)
30. J. Choi, **Rakesh K. Parmar** and Tibor K. Pogany, Mathieu-type series built by (p,q) -Extended Gaussian hypergeometric function, *Bulletin of Korean Mathematical Society*, Vol. 54(3), (2017), 789-797. (SCIE Journal)
31. K.S. Nisar, **Rakesh K. Parmar**, and A. H. Abusufian, Certain new unified integrals associated with the generalized k -Bessel function, *Far East Journal of Mathematical Sciences* , Vol. 100(9), (2016), 1533-1544. (SCOPUS Journal)
32. **Rakesh K. Parmar**, Certain properties of extended complete and incomplete beta functions, *AIP Conference Proceedings*, **1728**, 020695 (2016).

33. J. Choi and **Rakesh K. Parmar**, An Extension of the Generalized Hurwitz-Lerch Zeta Function of Two Variables, *Filomat*, Vol. 31(1), (2017), 91-96. (SCIE Journal)
34. J. Choi and **Rakesh K. Parmar**, The Incomplete Srivastava's Triple Hypergeometric Functions ${}_{\gamma}A^H$ and ΓA^H , *Miskolc Mathematical Notes*, To appear, (2017). (SCIE Journal)
35. D. Baleanu, P. Agarwal, **Rakesh K. Parmar**, M. M. Alqurashi and S. Salahshour, Extension of the fractional derivative operator of the Riemann-Liouville, *J. Nonlinear Sci. Appl.*, 10 (2017), 2914-2924. (SCIE Journal)
36. **Rakesh K. Parmar**, J. Choi and S. D. Purohit, Further Generalization of the Extended Hurwitz-Lerch Zeta Functions, *Boletim Sociedade Paranaense de Matematica*, 37(1) (2019), 177-190 (SCOPUS Journal)
37. **Rakesh K. Parmar** and S. D. Purohit, Some generating functions and properties of extended second Appell function, *Boletim Sociedade Paranaense de Matematica*, 37(1) (2019), 169-176 (SCOPUS Journal)
38. D. L. Suthar, **Rakesh K. Parmar** and S. D. Purohit, Fractional calculus with complex order and generalized hypergeometric functions, *Nonlinear Sci. Lett. A*, Vol. 8(2), (2017), 156-161.
39. **Rakesh K. Parmar** and S. D. Purohit, On a new class of integrals involving generalized hypergeometric function, *International Bulletin of Mathematical Research*. Vol. 3(2), (2016), 24-27. (zbMATH)
40. J. Choi, **Rakesh K. Parmar** and R.K. Saxena, Extended Hurwitz-Lerch Zeta function of two variables, *Bulletin of the Korean Mathematical Society*, To appear (2017). (SCIE Journal).
41. Dragana J. Masirevic, **Rakesh K. Parmar** and Tibor K. Pogany, (p,q) -Extended Bessel and modified Bessel functions of the first kind, *Results in Mathematics*, To appear (2017). (SCIE Journal)
42. Min-Jie Luo, **Rakesh K. Parmar** and R.K. Raina, On extended Hurwitz-Lerch Zeta function, *J. Math. Anal. Appl.* **448** (2017), 1281–1304. (SCI Journal)
43. J. Choi, **Rakesh K. Parmar** and R.K. Raina, A Further extension of the generalized Hurwitz-Lerch Zeta function, *Far East Journal of Mathematical Sciences*, Vol. 101(10), (2017), 2317-2332. (SCOPUS Journal)

44. J. Choi, **Rakesh K. Parmar** and H.M. Srivastava, The Incomplete Lauricella Functions of Several Variables and Associated Properties and Formulas, *Kyungpook Mathematical Journal*, To appear (2017). **(SCOPUS Journal)**
45. N. Menaria, S. D. Purohit, **Rakesh K. Parmar** and K. S. Nisar, Certain unified integrals involving product of generalized k -Bessel function and general class of polynomials, *Honam Mathematical Journal*, (2017). **Accepted**
46. Junesang Choi and **Rakesh K. Parmar**, Generalized Srivastava's triple hypergeometric functions and its associated properties, *J. Nonlinear Sci. Appl.*, 10 (2017), 817–827. **(SCIE)**
47. **Rakesh K. Parmar**, Bounding inequalities for the generalized Voigt function, *The Journal of Analysis*, Accepted (2017). **(Mathematical Reviews and zbMATH)**
48. D. L. Suthar, **Rakesh K. Parmar**, S. D. Purohit and L. N. Mishra, Integrals involving product of Srivastava's polynomials and multiindex Bessel function, *Thai Journal of Mathematics*, Accepted (2016). **(SCOPUS Journal)**
49. Ram K. Saxena and **Rakesh K. Parmar**, Fractional Integration and differentiation of the generalized Mathieu series, *Axioms*, 6(3):18. **Accepted. (2017) (SCOPUS Journal)**
50. D. L. Suthar, **Rakesh K. Parmar** and S. D. Purohit, Generalized fractional calculus of the multiindex Bessel function, *Mathematics in Natural Science*, Accepted (2017).
51. Tibor K. Pogany and **Rakesh K. Parmar**, On p -extended Mathieu series, *Rad Hrvat. Akad. Znan. Umjet. Mat. Znan.* (2017). **Accepted (Mathematical Reviews, ESCI, SCOPUS and zbMATH).**

Scientific work Presented/Talk in International/National Conference

1. Presented a paper titled “ **Some Results for the Generalized Hypergeometric Series**” National Conference on “ Promoting the Applications of Mathematics in Engineering and Technology” PAMET-2010 and the Symposium on Restructuring of Mathematics Syllabi in Engineering, April 16-17, 2010, Marudhar Engineering College, Bikaner.
2. Presented paper titled “**Generalization of Incomplete Extended Beta Function and Beta Distribution**” National Workshop on Characterization

Techniques in Material Science February 01-03, 2012, Govt. College of Engineering & Technology, Bikaner.

3. Presented a paper titled **“Further Extensions and Evaluations of Certain Euler Type Integrals”** International Conference on Special Functions and Their Applications ICSFA-2013 (12th Annual Conference of SSFA) & Symposium on Applications in Diverse Fields of Engineering and Technology December 13-15, 2013 Malaviya National Institute of Technology, Jaipur.
4. Presented a paper titled **“On the extension of the Hurwitz-Lerch Zeta Function”** International Conference Special Functions & Their Applications (ICSFA 2014) & Applications of Mathematics in Engineering Sciences, October 16-18, 2014, School of Mathematics & Computer Applications Thapar University, Patiala.
5. Presented a talk on **“The Incomplete Srivastava’s Triple Hypergeometric Functions γ_B^H and Γ_B^H ”** in The 22nd International Conference on Finite or Infinite Dimensional Complex Analysis and Applications held on 08-11 August 2014 at Dongguk University, Gyeongju, South Korea .
6. Presented a talk on **“On the Extension of Hurwitz-Lerch Zeta Function of Two Variables”** in The 23rd International Conference on Finite or Infinite Dimensional Complex Analysis and Applications held on 24-28 August 2015 at Kyushu Sangyo University, Fukuoka, Japan.
7. Presented a paper titled **“On an Extension of Extended Hurwitz-Lerch Zeta Function”** International Conference Special Functions & Their Applications (ICSFA 2015) & Symposium on Fractional Calculus & Its Applications to Special Functions, September 10-12, 2015, Department of Mathematics, Amity University, Uttar Pradesh, Noida, India.
8. Presented a paper titled **“A New Generalization of Gamma, Beta, Hypergeometric and Confluent Hypergeometric functions”** International Conference Recent Trends in Applied Physics & Material Science RAM 2013 February 01-02, 2013, Govt. College of Engineering & Technology, Bikaner (Rajasthan).
9. Presented a paper titled **“Certain Properties of Extended Complete and Incomplete Beta Functions”** International Conference on Condensed Material and Applied Physics ICC-2015, February 01-02, 2015, Govt. Engineering College, Bikaner (Rajasthan).

10. Presented a paper titled “**Mathieu-type series built by generalized tau-hypergeometric function**” International Conference on Special Functions & Their Applications (ICSFA 2016) & Symposium on Applications of Mathematical Sciences in Engineering, September 09-11, 2016, Department of Applied Sciences & Humanities, Faculty of Engineering & Technology, Jamia Millia Islamia (Central University), New Delhi.
11. Presented a talk titled “**Generalized Srivastava’s triple hypergeometric functions and its associated properties**” The 24th International Conference on Finite or Infinite Dimensional Complex Analysis and Applications held on 22-26 August 2016 at Anand International College of Engineering, Jaipur.
12. Presented a talk titled “**Bounding inequalities for the generalized Voigt function**” International Conference on Mathematical Analysis and its Applications (ICMAA 2016) held on 28 Nov-02 December 2016 at Indian Institute of Technology, Roorkee,.
13. Presented a talk titled “**Fractional Calculus of the (p, q)-extended Struve function**” The 25th International Conference on Finite or Infinite Dimensional Complex Analysis and Applications held on 26-30 June 2017 at The **University of Hong Kong, Hong Kong.**