

## CURRICULUM VITAE

**Dr. Ashish Verma**, Assistant Professor  
Department of Mathematics  
Prof. Rajendra Singh (Rajju Bhaiya)  
Institute of Physical Sciences for Study and Research,  
V. B. S. Purvanchal University, Jaunpur (U.P.)-222003, India  
Email: vashish.lu@gmail.com  
Mob.: **+91-7898439380**

**Personal Page:** <https://orcid.org/0000-0002-0776-5730>  
<https://scholar.google.co.in/citations?user=4k6zGIMAAAAJ&hl=en>  
[https://www.researchgate.net/profile/Ashish\\_Verma47](https://www.researchgate.net/profile/Ashish_Verma47)

**Research Interest:** Special Functions, Matrix Special Functions, Quantum Calculus.

### Education

2002	High School, U.P. Board
2004	Inter Mediate, U. P. Board
2007	B.Sc., University of Lucknow, Lucknow
2009	M.Sc., Mathematics (Gold Medalists), University of Lucknow,
2012	CSIR-NET, GATE
2016	Ph.D., Mathematics University of Lucknow, Lucknow

### Scholarships and Honors

2007-2009	RBS M Mate Fellow, Lucknow University
2010	Sawarsati Samman from Dr. Vishambher Nath Misra Memorial Sansthan
2011-2016	INSPIRE Fellowship from DST for Pursuing Ph.D.

### Professional Positions

2019---	Assistant Professor, Dept. of Mathematics, RBIPSSR, V.B.S Purvanchal University, Jaunpur
2018-2019	Assistant Professor (NPIU), Dept. of Applied Science, MITS, Gwalior (M.P.)-474005
2016-2018	Assistant Professor, Dept. of Mathematical and Statistical Sciences, SRMU, Deva Road, Lucknow 225003, India

### Membership of Professional Bodies

2011-	Bharat Ganita Parishad
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## Publications

- 2021- **Verma, A.** and Yadav, S. On the incomplete second Appell hypergeometric matrix, functions, **Linear and Multilinear Algebra**, 69 (2021), 1747-1760.  
[DOI:10.1080/03081087.2019.1640178](https://doi.org/10.1080/03081087.2019.1640178) (**SCI, I.F- 1.764**)
- 2021- **Verma, A.** On the incomplete Srivastava's triple hypergeometric matrix functions, **Quaestiones Mathematicae**, 44 (2021), 881-904. (**SCI, I.F- 1.474**)
- 2021- **Verma, A.**, Younis, J., Pandey, V., Aydi, H. Some summation formulas for the generalized Kampe de Fariet function, **Mathematical Problems in Engineering**, Vol. 2021, Article ID: 2861820. (**SCI, I.F.- 1.305**)
- 2021- **Verma, A.**, Younis, J., Aydi, H. On the Kampe de Fariet hypergeometric matrix function, **Mathematical Problems in Engineering**, Vol. 2021, Article ID: 9926176. (**SCI, I.F.- 1.305**)
- 2021- Younis, J., **Verma, A.**, Aydi, H., Sooppy, K.N., Alsamir, H. Recursion Formulas For Certain Quadruple Hypergeometric Functions, **Adv. Differ. Equ. 2021**, 407 (2021).  
**(SCI, I.F.- 2.803)**
- 2021- Aydi, H., **Verma, A.**, Younis, J., Lee, J.R. Some formulas involving Hypergeometric Functions in four variables, **Computer Modeling in Engineering & Sciences** (Accepted-2021).  
**(SCI, I.F.-1.503)**
- 2021- Younis, J., Bin-Saad, M.G., **Verma, A.** Generating Functions for Some Hypergeometric Functions of Four Variables via Laplace Integral Representations, **Journal of Function Spaces**, Vol. 2021, Article ID: 7638597. (**SCI, I.F.- 1.807**)
- 2021- Younis, J., Aydi, H., **Verma, A.** Some formulas for new quadruple hypergeometric functions, **Journal of Mathematics**, Vol. 2021, Article ID 5596299. (**SCI, I.F.- 0.971**)
- 2021- Sahai, V., **Verma, A.** On the recursion formulas for the matrix special functions of one and two Variables, **Mathematics in Engineering, Science & Aerospace (MESA)**, 12(2021) 549-562.  
**(SCOPUS)**
- 2021- Verma, V., Agarwal, M., **Verma, A.** A mathematical model for the novel coronavirus with effect of Lock-down, **International Journal of Modeling, Simulation, and Scientific Computing** (Accepted-2021). (**SCOPUS**)
- 2020- **Verma, A.** Some results on the Srivastava's triple hypergeometric matrix functions, **Asian-Eur. J. Math.**, Accepted: 18 Feb, 2020. (**SCOPUS, I.F- 0.39**)
- 2020- **Verma, A.** and Yadav, S. Recursion formulas for Srivastava's general triple q-hypergeometric series, **Afr. Mat.**, 31 (2020) 869-885.  
**(SCOPUS, I.F- 0.66)**

- 2020- **Verma, A.** and Sahai, V. Some recursion formulas for q-Lauricella series, *Afr. Mat.*, 31 (2020) 643-686. **(SCOPUS, I.F- 0.66)**
- 2019- Shrivastava, S., Tomar, D.S. and **Verma, A.** Application of Sumudu Transform to Fractional Integro-Differential Equations Involving Generalized R-Function, *GANITA*, 69 (2019), pp. 09-13. (UGC-Care)
- 2019- Sahai, V. and **Verma, A.** Finite summation formulas of Srivastava's general triple hypergeometric function, *Asian-Eur. J. Math.*, 12, (2019) 1950020 (15pages). **(SCOPUS, I.F- 0.39)**
- 2018- Sahai, V. and **Verma, A.** Generalized incomplete Pochhammer symbols and their applications to hypergeometric functions, *Kyungpook Math. J.*, 58, 2018, pp. 67-79. **(SCOPUS, I.F- 0.32)**
- 2018- Sahai, V. and **Verma, A.** Recursion Formulas for q-hypergeometric and q-Appell series, *Commun. Korean Math. Soc.*, 33 (2018), pp. 207-236. **(SCOPUS, I.F- 0.47)**
- 2017- **Verma, A.** and Chandra, H. Generalization of Mittag-Leffler Function and It's Properties, *GANITA*, Vol. 67(1), 2017. (UGC-Care)
- 2016- Sahai, V. and **Verma, A.** nth-order q-derivatives of Srivastava's general triple q-hypergeometric series with respect to parameters, *Kyungpook Math. J.*, 56, (2016), 911-925. **(SCOPUS, I.F- 0.32)**
- 2016- Sahai, V. and **Verma, A.** Recursion formulas for Exton's triple hypergeometric function, *Kyungpook Math. J.*, 56, (2016), 473-506 (34 pages). **(SCOPUS, I.F- 0.32)**
- 2016- Sahai, V. and **Verma, A.** Recursion formulas for the Srivastava-Daoust and related multivariable hypergeometric function, *Asian-Eur. J. Math.*, 9, (2016), 1650081 (35 pages). **(SCOPUS, I.F- 0.39)**
- 2016- Sahai, V. and **Verma, A.** Recursion formulas for Srivastava's general triple hypergeometric function, *Asian-Eur. J. Math.*, 9, (2016), 1650063 (17pages). **(SCOPUS, I.F- 0.39)**
- 2016- Sahai, V. and **Verma, A.** On an extension of the generalized Pochhammer symbol and its applications to hypergeometric functions, *Asian-Eur. J. Math.*, 2016, 9, 1650061 (11 pages). **(SCOPUS, I.F- 0.39)**
- 2015- Sahai, V. and **Verma, A.** Recursion formulas for multivariable hypergeometric functions, *Asian-Eur. J. Math.*, 2015, 8, 1550082 (50 pages). **(SCOPUS, I.F- 0.39)**
- 2015- Sahai, V. and **Verma, A.** Derivatives of Appell functions with respect to Parameters, *J. Inequal. Spec. Funct.*, 2015, 6, Pages 1- 16.
- 2014- Sahai, V. and **Verma, A.** nth-Order q-derivatives of multivariable q-hypergeometric series with respect to Parameters, *Asian-Eur. J. Math.*, 2014, 7, 1450019

(29 pages).**(SCOPUS, I.F- 0.39)**

#### **Seminars/ conferences/ workshops attended**

##### **Talk**

2020- Invited talk on “**Some recursion formulas for q-Lauricella series**” at National Conference on Recent Trends in Mathematics with Applications Organized by SRMU University, Lucknow during Jan. 30-31, 2020.

2019- Invited talk on “**Generalized Incomplete Pochhammer Symbols and Their Applications to Hyper-geometric Functions**” at National Conference on Recent Trends in Mathematics with Applications. Organized by SRMU University, Lucknow during Feb. 21-22, 2019.

##### **Workshop/ FDP**

2021- Attended Two Week Faculty Development Programme on “**Research Methodology**” Organized by Teaching Learning Centre, Ramanujan College University of Delhi 20 September- 05 October, 2021.

2020- Attended Two Week Faculty Development Programme on “**MANAGING ONLINE CLASSES and CO-CREATING MOOCS 3.0**” Organized by Teaching Learning Centre, Ramanujan College University of Delhi 25 July- 10 August, 2020.

2020- Attended Four Week Induction/ Orientation Programme Organized by Teaching Learning Centre, Ramanujan College University of Delhi 04 June- 01 July, 2020.

2020- Attended Five Days Faculty Development Programme on “**Latex**” Organized by Anand International College of Engineering in association with Spoken Tutorial Project, IIT Bombay 19 May- 23 May, 2020.

2019- Attended Two Days Workshop on “**Research Methodology & R Programming**” Organized by Department of Applied Science, MITS Gwalior 31 Aug-01 Sept, 2019.

- 2019- Attended online NPTEL Courses cum FDP: **Transform calculus and its Applications in differential equations**, Jan-April 2019.
- 2019- Attended online NPTEL Courses cum FDP: **Advanced Engineering Mathematics**, Jan-April 2019.
- 2019- Attended online NPTEL Courses cum FDP: **Mathematical Methods and Its Applications**, Jan-April 2019.
- 2019- Attended one week FDP on “**Advanced Pedagogy and Digital Tools**” under TEQIP III, Organized by IIT Indore, during June 24-28, 2019.
- 2019- Attended Two Days Workshop on “**Soft Computing Techniques and It's Applications**” under TEQIP III Organized by the Department of Computer Science And Engineering, MITS, Gwalior, India, Jan. 18-19, 2019.
- 2018- Attended Workshop on “**Energy Audit & Management**” under TEQIP-III, Department of Electrical Engineering, MITS, Gwalior (M.P.) September 29, 2018.
- 2018- Attended one week “**Faculty Induction Program**” under TEQIP III, Organized by IIT Hyderabad held during Jan 25-29, 2018.

#### Paper Presentation

- 2019- Presented a paper in the National Conference on “**Recent Advances in Mathematics and Scientific Computing**” held during April 5-6, 2019 in the Department of Applied Science, MMTU, Gorakhpur.
- 2018- Presented a paper in the “**International Conference on New Frontiers in Mathematics and Symposia on I- Function and its Applications & Mathematics in Data Science**” School of Mathematics and Allied Sciences, Jiwaji University, Gwalior (M.P), Dec. 11-13, 2018.
- 2016- Presented a paper in the National Conference on “**Recent Trends in Mathematical Sciences**” held during April 12-13, 2016 in the Department of Applied Science, MMTU, Gorakhpur.
- 2015- Presented a paper in the **18th International Conference of International Academy of Physical Sciences on “Recent Trends in Physical Sciences**” held during Dec 22-24, 2015, Faculty of Science, University of Allahabad, Allahabad.
- 2015- Presented a paper in the conference on “**Recent Trends in Mathematics:**

***Topological Algebraic Analysis and Applications***” held during Nov 21-22, 2015 in the department of mathematics, Lucknow University, Lucknow.

2014- Presented a paper in the conference on ***“National Conference on Advances in Mathematics”*** held during Nov 21-23, 2014, Amity University Rajasthan, Jaipur.

**References:**

1. Prof. Vivek Sahai  
Dept. of Mathematics & Astronomy  
Lucknow, University, Lucknow  
Email: [sahai\\_vivek@hotmail.com](mailto:sahai_vivek@hotmail.com)

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**(Dr. Ashish Verma )**