



Centre/School/Special Centre:

**School of Studies in Mathematical and
Computational Science**

Department: Mathematics

Phone: 9977146499

Email: santoshverma30@vahoo.co.in

Name: DR. SANTOSH VERMA

Qualifications: Ph. D and M. Sc. (Mathematics)

Area of Interest/Specialization: Fractional Calculus

EXPERIENCE:

- **Assistant Professor in Department of Mathematics, Guru Ghasidas Central University, Bilaspur-495009 (CG), Bharat from: 24/02/2020 to till date.**

- **Assistant professor (on contract basis) in Department of Applied Mathematics in Rajiv Gandhi Technical University, Bhopal – 462033 (M. P.), Bharat from 15/07/2013 to 22/02/2020.**

- **Assistant professor (Guest faculty) in Department of Srinivasa Ramanujan Mathematics in Atal Bihari Vajpayee Hindi University, Bhopal – 462016 (M. P.), Bharat from 12/12/12 to 13/07/2013.**

- **Assistant Professor in Department of Applied Mathematics in ITM Universe, Gwalior (M. P.), Bharat from August 12th, 2010 to October 19th, 2012.**

- **Lecturer in Department of Applied Mathematics in NRI Institute of Technology and Management, Gwalior (M. P.) from August 04th, 2008 to August 11th, 2010.**

- **Lecturer of Mathematics (Guest faculty) in Department of Management and Studies and economics, M.D.S. University Ajmer (Raj.), Bharat from September 09th, 2006 to July 31st, 2008.**

- **Lecturer of Mathematics (Guest faculty) in S.O.S. in Computer Application, Jiwaji University Gwalior (M.P.), Bharat from July 10th, 2006 to August 31st, 2006.**

- **Lecturer of Mathematics in B.V.M. College of Technology and Management, Gwalior (M.P.), Bharat from February 20th, 2006 to July 31st, 2006.**

- **Lecturer of Mathematics (Guest Faculty) in Govt. Polytechnic College Dabra, Gwalior (M.P.), Bharat from March 12th, 2005 to May 30th, 2005.**

- **Lecturer of Mathematics in Gandhi Vocational (P.G.) College, Guna (M.P.), Bharat from September 8th, 2004 to February 11th, 2005.**

Awards and Honors: Nil

Research Projects : Nil

International Collaboration/Consultancy: Nil

Best Peer Reviewed Publication (up-to 10):

PAPER PUBLICATION:

1. Santosh Verma and S. K. Bissu [2014] “Generalized solution of the product of hypergeometric function and I-function using Weyl fractional derivation method”. In International Journal of Math. Sci. & Engg. App. [IJMSEA] ISSN 0973-9424, Vol. 8 NoVI. PP. 141-147.

2. Santosh Verma and Farooq Ahmad Sheikh “Fractional integration operators containing generalized hypergeometric function”. In Corona Journal of Science and Technology [CJST] ISSN: 2319-6327(online), Vol. 4, No. II (2015), pp. 11-13.

3. Santosh Verma and Manoj Sharma “Dirichlet average of extended Mainardi function and fractional derivative”. In Research & Reviews: Discrete Mathematics Structures [STM Journals] ISSN:2394-1979(Online), Volume 4, Issue 2, PP. 42-44.

Recent Books/Book Chapters/Monographs etc.: Nil

Research Supervision: one (on going)

Administrative Responsibilities: Nil

Additional Information:

RESEARCH WORK :

A: Presented Paper in International Conferences:

- 1. Presented paper on the title “Erdlyi - Kober Fractional Integral Operators Containing generalized M-Series” in the International Conference “On the works of Srinivasa Ramanujan & their application in science and engineering and international symposium”. New Trends in Application of Mathematics in Science and Engineering Specially Fractional Calculus. Bio-informatics and Special Functions” (ICSFA-2014). December 22nd to 23rd, 2014. Organized by the department of applied science and Civil Engineering RJIT, BSF, Academy, Tekanpur, Gwalior-475005(MP) Bharat.**
- 2. Presented paper on the title “Fractional Integrals Involving Some Special Function and Generalized Mittag-Leffer Function” on International Conference on recent**

advances in mathematical sciences and applications (ICRAMSA-2013) December 24th to 26th, 2013. Organized by Department of Applied Mathematics, UIT-RGPV, Bhopal-462033 (M.P.) Bharat.

- 3. Presented paper on the title “Generalized Solution of the Product of Hypergeometric function and I-function using Weyl Fractional Derivatives Method” on 18th Annual cum 3rd International conference of Gwalior Academy of Mathematics Sciences (GAMS), during September 22nd to 26th, 2013. Organized by Department of Mathematics and Computer Applications, Maulana Azad National Institute of Technology (MANIT) Bhopal-462051 (M.P.) Bharat.**

B: Presented Paper in National Conferences:

- 4. Presented paper on the title “Fractional integration operators containing a generalized hypergeometric functions” on 15th Annual conference of Gwalior Academy of Mathematics Science (GAMS). Mathematics and development ICT (including allied Application), December 12th – 14th, 2010 organized by Mohyal Educational and Research Institute of Technology , New Delhi, Bharat.**
- 5. Presented paper on the title “Fractional calculus with an generalized integral operator containing a generalized hypergeometric functions” On special functions and their application (SFA) and symposium on computational and biological**

mathematics, June 21st -23rd, 2010. Organized by School of Mathematics and Allied sciences, Jiwaji University, Gwalior (MP), Bharat and SFA.

- 6. Presented paper on the title “Generalized fractional Integral Calculus Operators Associated with the M-Series”. On recent trends in mathematical modeling (RTMM-2009), March 07, 2009. Organized by Gwalior Engineering College, Gwalior-474001 (MP), Bharat.**

- 7. Presented paper on the titles “Fractional Calculus Operators Associated with the I-Functions.” On 12th Annual conference and National Symposium on Applications of Special Functions, Oct. 25th to 27th ,2007, organized by department of mathematics, Jai Narain Vyas University, Jodhpur, (Raj.), Bharat.**

- 8. Presented paper on the title “Some Expansion Formula Involving I-Function of one and more variables using fractional derivatives” on 12th Annual conference of Gwalior Academy of Mathematics Science (GAMS) and All India Symposium on computational Biology, April 06th – 08th 2007 organized by Department of Mathematics, Maulana Azad National Institute of Technology (MANIT) Bhopal (M.P.), Bharat.**

FACULTY INDUCTION PROGRAMME (FIP):

Participated in “GURU-DAKSHTA” FACULTY INDUCTION PROGRAMME (FIP),
(ONLINE) by UGC-Sponsored from: 15/02/2021 to 17/03/2021 and obtained Grade A⁺.

Registration ID: M29012021121841 and Certificate No.: 379 on date 18/03/2021. Organized
by UGC-HRDC, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur (CG),
Bharat-495009.

REFRESHER COURSE:

Participated in Science Academies’ Refresher Course on Partial Differential Equations and
their Applications [PDEA-2017]. On July 03-15, 2017 in collaboration with Indian Institute
of Science Education and Research [IISER], Bhopal, (MP) Bharat.

FACULTY DEVELOPMENT PROGRAMME:

1. Attended five days online “Faculty Development Programme: Design, Develop and
Deliver Online Courses” on June 14th-18th, 2021. Organized by National Institute of
Educational Planning and Administration (Deemed to be University) New Delhi-
110016, BHARAT.
2. Participated in one week “Staff Development Programmed on Trends and
Applications in Data Sciences under TEQIP II” on February, 18th-22nd,

**2014 Organized by School of Information Technology-RGPV, Bhopal-462033 (MP),
Bharat.**

- 3. Attended the workshop one week on ‘High Impact Teaching Skills’ Organized by Dale Carnegie and Associates, Inc. Trainer and WIPRO. On April 03rd-04th, 2012. Participated in a Missin10x workshop organized by WIPRO and held at Institute of Technology and Management Gwalior (MP), Bharat from April 03rd - 07th, 2012.**

INVITED TALKS:

- 1. Invited talk on “Advanced Mathematics Applications in Computer Science” as a guest speaker under SAGE Talk series on May 19th, 2021. Organized by Department of Management, SIRT Sagar Group of Institutions, Bhopal (MP), BHARAT.**
- 2. Invited talk as keynote speaker on “Basics of Vedic Mathematics” on January 10, 2021. Conducted by Department of Mathematics, SAM Global University, Bhopal(MP), BHARAT.**
- 3. Invited talk keynote speaker on “Great Mathematician Srinivas Ramanujan” on December 22, 2020. Conducted by Department of Mathematics, Swami Vivekanand University, Sagar-470228(MP). BHARAT**

PARTICIPATION:

C: International Conference/ Seminar/ Workshop/Symposium:

- **Attended the International Seminar “VALUE-BASED LIFE” On April 17th - 19th, 2015. Organized by Department of Culture Government of Madhya Pradesh, Directorate of Culture Bhopal-462003(MP), Bharat.**
- **Participated International conference of the Society of special functions and their applications, Symposium on “Special functions and applications in Engineering Science” Dec. 15th –16th, 2007. Organized by department of Mathematics, Malviya National Institute of technology, Jaipur (Raj.), Bharat.**

D: National Conference/ Seminar/ Workshop/Symposium:

- **Attended One Day Workshop On “Multiple Entry / Exit for Professional Courses As A Step Towards National Education Policy Implementation” On December 18, 2021. Organized by SOS of Engineering and Technology, SOS of Commerce and Management, SOS of Natural Resources and SOS of Mathematical and Computational Science, Guru Ghasidas Vishwavidyalaya, Bilaspur-495009 (CG) BHARAT.**

- **Attended NAAC Sponsored Interactive One Day Workshop On “Revised Framework of NAAC accreditation: an awareness program” On 26th November 2021. Organised by the Internal Quality Assurance Cell (IQAC) of Guru Ghasidas Vishwavidyalaya, Bilaspur-495009 (CG) BHARAT.**
- **Attended online one day national webinar on “National Education Policy-2020 and research” on June 26, 2021. Organized by H.I.C.T. Education College, Gwalior, BHARAT.**
- **Attended online one day workshop on “National Education Policy-2020: Opportunities in Research and Innovation” on March 31, 2021. Organized by school of physical sciences Jawaharlal Nehru University, New Delhi. BHARAT.**
- **Attended the national science conference “Pracheen evam Aadhunic Bharat me Vighyan evam Urja ke Aayam” on November 9th -11th, 2016. Organized by Hindi Sahitya Parishad, Bhabha Parmanu Anusandhan Kenndra , Bumbai and Atal Bihari Vajpayee Hindi University, Bhopal-462016(MP), Bharat.**
- **Attended the national symposium on “ICT Enabled Student Support Services and Online Promotion of Education Through Virtual Technology” on January**

**15th & 16th, 2016. Organized by Madhya Pradesh Bhoj (Open) University,
Bhopal-462016 (MP) in collaboration with Association of Indian Universities
(AIU) New Delhi, Bharat.**

➤ **Attended the national conference “New Education Policy in Bhartiya ke
pariprakshya” On November 20th -22nd, 2015 Organized by Bhartiya Shikshan
Mandal and Atal Bihari Vajpayee Hindi University, Bhopal-462016(MP),
Bharat.**

➤ **Attended the national conference “Bhartiya Bhasha Sammelan” on February
14th & 15th, 2015. Organized by LNCT and ABVHV et al, Bhopal-462002(MP),
Bharat.**

➤ **Attended the national conference “Pracheen Bhartiya Ghyan- Vighyan
Parampara” on march 25th -26th, 2014. Organized by Atal Bihari Vajpayee Hindi
University, Bhopal-462016(MP). Bharat.**

➤ **Attended the national seminar on “Recent Trends in Instrumentation
Techniques for Environmental Monitoring” on March 12th -14th, 2014.**

Organized by Department of Applied Chemistry, University Institute of Technology-RGPV, Bhopal-462033(MP).

- **Attended the “International Conference on Recent Advances in Mathematical Science and Applications (ICRAMSA-2013)” On December 24th-26th, 2013 organized by department of mathematics UIT-RGPV, Bhopal-462033(MP), Bharat.**
- **Attended the State Conference “Moulic Education and save water”, on June 20th, 2013. Organized by M P Government Higher education, NSS and M. P. Bhoj (Open) University, Bhopal-462016 (MP), Bharat.**
- **Attended the National Conference “Rashtrya Ghyan- Vighyan Hindi Summelan”, on June 06th-07th, 2013. Organized by Atal Bihari Vajpayee Hindi University, Bhopal-462016 (MP), Bharat.**
- **Attended the conference on “Relevance of Mathematics in Sciences” Organized by Department of Environmental Sciences and Limnology and Department of Mathematics, B.U.I.T., Barkatullah University, Bhopal-462001 (M. P.), Bharat. On March 4th-5th, 2013.**

- **Participated, National workshop on “Quality Assurance in Technical Education”. From February 06th and 07th, 2010. Organized by MITS, Gwalior (MP) Bharat.**

- **Participated fourteenth Annual conference of Gwalior Academy of Mathematical Sciences (GAMS) and a Symposium on Computational Mathematics and its Application to Engineering, Management Biology, July 17-19, 2009. Organized by IPS College of Technology and management (IPS-CTM) Gwalior-474001 (M P), Bharat.**

- **Participated, National workshop on “Quality Management in Technical Education”. From March 06th and 07th, 2010. Organized by MITS, Gwalior (MP), Bharat.**

- **Participation in one day U.G.C. National Seminar on the theme “Recent development of financial services in India” held on March 30th, 2007. Organized by Department of Management Studies, M.D.S. University Ajmer (Raj.), Bharat.**

- **Participation Eighth Annual Conference of Gwalior Academy of Mathematical Sciences (GAMS) Organized by Govt. P.G. College, Datia (M.P.), Bharat.**

LIFE MEMBERSHIP:

Gwalior Academy of Mathematics Sciences (GAMS)

SUMMAR SCHOOL TRAINING COURSE:

Participated five weeks course in Department of Science and Technology (DST)

Government of India, New Delhi Sponsored by 2008 SERC School on “Multivariate and

Matrix variable calculus and statical distribution. Theory and application in data analysis,

Model Building and Astrophysics Problem” held from 15th April 2008 to 17th May 2008 at

the Pala campus Kerala of the Centre for Mathematics Science (CMS), Bharat.

EXTRA ACADEMIC CURRCULAR CREDENTIOLS:

Four years worked in assistant superintendent in examination.

COMPUTER PROFICIENCY:

- **MS-DOS, Fox-Pro and WINDOWS-98, 2000, C-Language, LaTeX.**

PERSONAL DATA:

FATHER’S NAME: Shri Ram Awtar Verma

DATE OF BIRTH : December 30th , 1977

Language Known: Hindi, English

Marital Statu: Married

Kid's: One Boy (DOB – 26.08.2005) and One Girl (DOB- 22.10.2013)

Nationality: Indian

Date: 18-04-2022

Place: Bilaspur

Dr. Santosh Verma