



Ganga Ram

Curriculum Vitae

Personal Information

Corresponding address: Dr. Ganga Ram

Assistant Professor
DST-Centre for Interdisciplinary Mathematical Sciences,
Institute of Science, Banaras Hindu University, Varanasi,
Varanasi-221005 India.

Permanent address:

H.N. 1209, Moh-Sotawali,
Near New Mandi, Garh Road Hapur,
Hapur-245101, U.P. India.

Mobile:

09927355056

E-mail:

gangaiitr11@gmail.com; gangacims@hbu.ac.in

Date of Birth:

Dec 05, 1987

Research Interest

Fractional Calculus and Its Applications; Analysis of Fractional order Differential Equations.

Experience

Assistant Professor

2016-cont.

Banaras Hindu University, Varanasi, India,

Project Research Fellow

2015-2015

Indian Institute of Technology Roorkee, Roorkee, India

Lecturer

2011-2011

Choudhary Tara Chand Janta Degree College, Hapur, India

Teaching Engagements

M.Sc. 1st Year - CSA105-Applied Linear Algebra and Matrix Theory

2016-Odd

Banaras Hindu University, Varanasi, India,

M.Sc. 2nd Year - CSA310-Graph Theory and Its Application

2016-Odd

Banaras Hindu University, Varanasi, India,

Ph.D. Course - MSPC 01-Mathematical Sciences I

2015-Even

Banaras Hindu University, Varanasi, India,

B.Sc. 1st , 2nd , 3rd Year - Mathematics

2011-Even

Choudhary Tara Chand Janta Degree College, Hapur, India

Educational Achievements

Qualificational Achievements:

Ph.D.	2011- 2015
<i>Indian Institute of Technology Roorkee, India</i>	
Department of Applied Science & Engineering	
Thesis Title: A study on mild solutions for some fractional functional differential equations.	
Supervisor: Dr. Jaydev Dabas, Department of Applied Science & Engineering, Indian Institute of Technology Roorkee, India	
M.Sc. (64.00 %)	2007-2009
<i>Choudhary Charan Singh University, Meerut, India</i>	
Department of Mathematics, Shri Saraswati Vidhayalya Degree College, Hapur	
B.Sc. (66.66 %)	2004-2007
<i>Choudhary Charan Singh University, Meerut, India</i>	
Department of Mathematics, Shri Saraswati Vidhayalya Degree College, Hapur	
Intermediate (60.60 %)	2002-2004
<i>Uttar Pradesh Board Allahabad, India</i>	
Choudhary Tara Chand Janta Inter College, Hapur	
High School (62.00 %)	2000-2002
<i>Uttar Pradesh Board Allahabad, India</i>	
Choudhary Tara Chand Janta Inter College, Hapur	
Others Academic Achievements:	
National Eligibility Test (NET) CSIR-JRF)	2010, 2011
Graduate Aptitude Test in Engineering (GATE)	2012

Research Project/Dissertation

“To study the existence of mild solutions for some fractional functional differential equations”,

Project dissertation under the Guidance of Dr. Jaydev Dabas, Department of Applied Science & Engineering, Indian Institute of Technology Roorkee, India, August 2015 – December 2015.

Awards

- Startup Grant released by UGC against XII Plan-2016
- NBHM fellowship recipient for PDF work -2016
- SRF fellowship recipient during PhD work from 2013 to 2015
- JRF fellowship recipient during PhD work from 2011 to 2013

Memberships

Academic:

- Computer Lab Maintenance Committee of DST-CIMS, BHU 2016-Cont.
- Under Graduate Admission Coordination Committee (UACC), Institute of science, BHU 2016-2017
- Post Graduate Admission Coordination Committee, DST-CIMS, BHU 2016-2017.

- Mess Councillor of Malviya & Indira Bhawam mess, I I T Roorkee 2013-2014
- Society/Board:**
- Reviewer of Applied Mathematics and Computation, Elsevier 2015-Cont.

Visits

Invited Talk:

- Fractional Calculus for Engineering Application 2016
B.S. Abdur Rahman University, Chennai, India

Presentation:

- Existence of Mild Solutions for Impulsive Fractional Functional Differential Equations of Order $\alpha \in (1; 2)$, (ICDDEA- 2015) at Military Academy Amadora, Portugal. 2015
- Mild solutions for impulsive functional differential equations of order $\alpha \in (1, 2)$, (ICRTMAA-2014) at Indian Institute of Technology Roorkee, India. 2014
- Existence result of solution for impulsive delay differential equation of order $\alpha \in (1, 2)$, (FPSTSG-2014) at Shri Saraswati Vidhayalya College, Hapur, India. 2014
- Existence and Stability results of the impulsive fractional functional differential equation, (ICMES-2014) at Chtkara University, Himachal Pradesh, India. 2014
- Existence results for impulsive fractional integro-differential equations with state dependent delay on infinite domain, (ICMTEA- 2013) at Graphic Era University, Dehradun, Uttarakhand, India. 2013

Publication in Refereed Journal

1. Ganga Ram Gautam and Jaydev Dabas, "Existence of mild solutions for impulsive fractional functional integro-differential equations", *Fractional Differential Calculus*, ISSN: 1847-9677, 5(1), 65-77, (2015).
2. Ganga Ram Gautam and Jaydev Dabas, "Mild solution for nonlocal fractional functional differential equation with not instantaneous impulse", *International Journal of Nonlinear Science*, Accepted, ISSN: 1749-3889, (2015).
3. Ganga Ram Gautam and Jaydev Dabas, "Controllability for a class of nonlocal impulsive neutral fractional functional differential equations", *Progress in Fractional Differentiation and Applications*, ISSN: 2356-9336, 1(4), 1–8 (2015).
4. Ganga Ram Gautam and Jaydev Dabas, "Mild solutions for class of neutral fractional functional differential equations with not instantaneous impulses", *Applied Mathematics and Computation*, (I.F.-1.6), ISSN: 0096-3003, 259, 140–146 (2015).

5. Ganga Ram Gautam and Jaydev Dabas, “Results of local and global mild solution for impulsive fractional differential equation with state dependent delay”, *Differential Equations & Applications*, ISSN: 1847-120X, 6(3), 429–440 (2014).
6. Ganga Ram Gautam, Jaydev Dabas, “Existence result of fractional functional integro-differential equation with not instantaneous impulse”, *International Journal of Advanced in Applied Mathematics and Mechanics*, ISSN: 2347-2529, 1(3), 11–21 (2014).
7. Ganga Ram Gautam, Jaydev Dabas, “Mild solution for fractional functional integrodifferential equation with not instantaneous impulse”, *Malaya Journal of Matematik*, ISSN: 2319-3786, 2(3), 428–437 (2014).
8. Ganga Ram Gautam, Archana Chauhan and Jaydev Dabas, “Existence and uniqueness of mild solution for nonlocal impulsive integro-differential equation with state dependent delay”, *Fractional Differential Calculus*, ISSN: 1847-9677, 4(2), 137–150 (2014).
9. Jaydev Dabas and Ganga Ram Gautam, “Impulsive neutral fractional integrodifferential equations state dependent delay and integral condition”, *Electronic Journal of Differential Equations*, (IF .44), ISSN: 1847-9677, 273, ISSN: 1072-6691 (2013).

Publication in Conference Proceeding

1. Ganga Ram Gautam and Jaydev Dabas, Existence of Mild Solutions for Impulsive Fractional Functional Differential Equations of Order $\alpha \in (1; 2)$, *Mathematics & Statistics*, ISSN: 2194-1009, (2016).
2. Ganga Ram Gautam, Jaydev Dabas, Mild solutions for impulsive functional differential equations of order $\alpha \in (1, 2)$, *Mathematics & Statistics*, ISSN: 2194-1009, (2015).
3. Ganga Ram Gautam and Jaydev Dabas, Existence results for impulsive fractional integro-differential equations with state dependent delay on infinite domain, *Mathematics in Engineering, Science and Aerospace*, Vol. 5, No. 2, pp. 135-146, 2014, ISSN: 2041-3165.
4. Ganga Ram Gautam, Jaydev Dabas, Existence and Stability results of the impulsive fractional functional differential equation, *Mathematical Sciences International Research Journal* 1(3) (2014) 59 – 60, ISSN: 2278-8697.

National/International Conferences

1. International Conference on Differential & Difference Equations and Applications-2015 (ICDDEA- 2015) at Military Academy Amadora, **Portugal**, May 18-22, 2015.
2. International Conference on Recent Trends in Mathematical Analysis and Its Applications (ICRTMAA-2014) at Indian Institute of Technology Roorkee, India, December 21-23, 2014.

3. National Conference on Future Perspectives of Science & Technology in Society and Governance (FPSTSG-2014) at Shri SaraswatiVidhayalya College, Hapur, India, November 29-30, 2014.
4. International Conference on Mathematics & Engineering Sciences (ICMES-2014) at Chtkara University, Himachal Pradesh, India, March 20-22, 2014.
5. International Conference on Mathematical Techniques in Engineering Applications(ICMTEA-2013) at Graphic Era University, Dehradun, Uttarakhand, India , October24-25, 2013.

Workshop/School/Seminar/Traing Programe

1. 2014 SERB School on “Matrix Method and Fractional Calculus”, held from 28th April 2014 to 23rd May, at the Peechi Campus of the Centre for Mathematical and Statistical Sciences (CMS) India.
2. Advanced Training Program on Nonlinear Functional Analysis and its Applications (ATP-NFAA) on 04-10, March, 2013 at Banaras Hindu University, U.P. India.
3. Introduction to Matlab and Mathematica on 21-22, April, 2012, Department of mathematics, I I T Roorkee, India.

References

1. Dr. Jaydev Dabas, Assistant Professor, Department of Applied Science and Engineering, IIT Roorkee, Saharanpur Campus, Saharanpur-247001, India, Mob-09935231298, E-mail- jay.dabas@gmail.com
2. Dr. Uday Singh, Assistant Professor, Department of Mathematics, IIT Roorkee, 247667, India, Mob-09453551769, E-mail- usingh2280@yahoo.co.in, uadayfma@iitr.ac.in
3. Dr. Rajan Arora, Assistant Professor, Department of Applied Science and Engineering, IIT Roorkee, Saharanpur Campus, Saharanpur-247001, India, Mob-09456026514, E-mail- rajan_a100@yahoo.com

Declaration

I here by declare that above information are true & best, related to me.

Ganga Ram