


Curriculum Vitae

Title	Dr.	First Name	Mohammad	Last Name	Salman	Photograph
Designation	Assistant Professor					
Department	Mathematics					
Address (Campus)	Shyama Prasad Mukherji College for Women, University of Delhi, 52, North Ave, West Punjabi Bagh, Punjabi Bagh, Delhi 110026					
Contact Number	+91 8826912656					
Email	msalman@spm.du.ac.in , salman25july@gmail.com					
Education Qualifications:						
Degree		Institution			Year	
Ph.D. Mathematics		University of Delhi			July, 2022	
M.Phil. Mathematics		University of Delhi			May, 2018	
M.Sc. Mathematics		Hansraj College, University of Delhi			July, 2016	
B.Sc. (H) Mathematics		Hansraj College, University of Delhi			July, 2014	
Research Interest/ Specialization						
Dynamical Systems, Topology, Analysis						
Teaching Experience						
<ul style="list-style-type: none">Assistant Professor, Department of Mathematics, Shyama Prasad Mukherji College for Women, University of Delhi (Mar 5, 2024 – Present)Assistant Professor, Department of Mathematics, Atma Ram Sanatan Dharma College, University of Delhi (Nov 28, 2022 – Mar 4, 2024)Assistant Professor, Department of Mathematics, Ramjas College, University of Delhi (Nov 24, 2020 – Nov 13, 2022)						

Publications

1. Salman, M., Das R., *Dynamics of multi-sensitive non-autonomous systems with respect to a vector*, **Bulletin of the Malaysian Mathematical Sciences Society**, 47, 51 (2024), SCIE Journal with IF 1.2, Publisher: Springer, Country: England, <https://doi.org/10.1007/s40840-023-01644-6>
2. Das, R., Kumar, D., Salman, M., *Topological sensitivity and its stronger forms on semiflows*, **Bulletin of the Korean Mathematical Society**, 61 (2024), 247-262, SCIE Journal with IF 0.5, Publisher: Korean Mathematical Society, Country: South Korea, <https://doi.org/10.4134/BKMS.b230092>
3. Kumar, D., Salman, M., Das, R., *Topological sensitivity on hyperspaces*, **Bulletin of the Belgian Mathematical Society-Simon Stevin**, 29 (2022), 19–36, SCIE Journal with IF 0.5, Publisher: Project Euclid, Country: Belgium, <https://doi.org/10.36045/j.bbms.211024>
4. Salman, M., Das, R., *Remarks on sensitivity and chaos in non-autonomous dynamical systems*, **Journal of Difference Equations and Applications**, 28 (2022), 289–294, SCIE Journal with 1.1 IF, Publisher: Taylor & Francis, Country: England, <https://doi.org/10.1080/10236198.2022.2027394>
5. Vasisht, R., Salman, M., Das, R., *Variants of shadowing properties for iterated function systems on uniform spaces*, **Filomat**, 35 (2021), 2565–2572, SCIE Journal with 0.8 IF, Publisher: University of Niš, Country: Serbia, <https://doi.org/10.2298/FIL2108565V>
6. Salman, M., Das, R., *Hypercyclic operators for iterated function systems*, **Hacettepe Journal of Mathematics and Statistics**, 50 (2021), 483–491, SCIE Journal with 0.8 IF, Publisher: Hacettepe University, Country: Turkey, <https://doi.org/10.15672/hujms.716686>
7. Salman, M., Wu, X., Das, R., *Sensitivity of non-autonomous dynamical systems on uniform spaces*, **International Journal of Bifurcation and Chaos**, 31 (2021), 2150017 (12 pages), SCI Journal with 2.2 IF, Publisher: World Scientific, Country: Singapore, <https://doi.org/10.1142/S0218127421500176>
8. Salman, M., Das R., *Specification properties for non-autonomous discrete systems*, **Topological Methods in Nonlinear Analysis**, 55 (2020), 475-491, SCIE Journal with 0.7 IF, Publisher: Juliusz P. Schauder Center for Nonlinear Studies, Country: Poland, <https://doi.org/10.12775/TMNA.2020.006>
9. Salman, M., Das R., *Sensitivity and property P in non-autonomous systems*, **Mediterranean Journal of Mathematics**, 17, 128 (2020), 1–19, SCIE Journal with 1.1 IF, Publisher: Springer, Country: Switzerland, <https://doi.org/10.1007/s00009-020-01552-0>
10. Salman, M., Das R., *Multi-transitivity in non-autonomous discrete systems*, **Topology and its Applications**, 278 (2020), 107237, SCIE Journal with 0.6 IF, Publisher: Elsevier, Country: Netherlands, <https://doi.org/10.1016/j.topol.2020.107237>

11. Salman, M., Das R., *Furstenberg family and multi-sensitivity in non-autonomous systems*, **Journal of Difference Equations and Applications**, 25 (2019), 1755–1767, SCIE Journal with 1.1 IF, Publisher: Taylor & Francis, Country: England, <https://doi.org/10.1080/10236198.2019.1694013>
12. Salman, M., Das R., *Dynamics of weakly mixing non-autonomous systems*, **International Journal of Bifurcation and Chaos**, 29 (2019), 1950123 (11 pages), SCI Journal with 2.2 IF, Publisher: World Scientific, Country: Singapore, <https://doi.org/10.1142/S0218127419501232>
13. Salman, M., Das R., *Multi-sensitivity and other stronger forms of sensitivity in non-autonomous discrete systems*, **Chaos, Solitons & Fractals**, 115 (2018), 341–348, SCI Journal with 7.8 IF, Publisher: Elsevier, Country: England, <https://doi.org/10.1016/j.chaos.2018.07.031>

Participation in International or National Conferences/ Workshops/ Seminars

1. Two Days Workshop on **Mathematical Sciences for Viksit Bharat@2047** organized by Faculty of Mathematical Sciences, University of Delhi (April 12 – 13, 2024)
2. Workshop on **Typesetting Indian Languages using LaTeX** organized by Department of Mathematics, University of Delhi (Mar 21 – 23, 2024)
3. 69th Annual Conference of Bharat Ganita Parisad on **Recent Advances in Mathematics and Applications** organized by Department of Mathematics and Astronomy, University of Lucknow, Lucknow (Sept 24 –25, 2022)
4. International Conference on **Mathematical Analysis & Applications** organized by Department of Mathematics, NIT Jamshedpur, Jamshedpur (Nov 2 – 4, 2020)
5. **Real Analysis: From Elementary to Advanced** organized by Ramanujan College, University of Delhi, Delhi (Oct 25, 2019)
6. **Smooth and Homogeneous Dynamics** organized by International Centre for Theoretical Sciences, Bangalore (Sept 23 – Oct 4, 2019)
7. **Mini Symposium in Mathematics** organized by Deen Dayal Upadhyay, University of Delhi, Delhi (Feb, 22 – 23, 2019)
8. **National Research Scholar Seminar** organized by Department of Mathematics, University of Delhi, Delhi (Dec 28, 2018)
9. **International Workshop and Conference on Topology and Applications** organized by Rajagiri School of Engineering and Technology, Kochi (Dec 5 – 11, 2018)
10. **International Meet on Analysis** organized by Department of Mathematics, University of Delhi, Delhi (Nov 24, 2018)
11. **National Research Scholar Seminar** organized by Department of Mathematics, University of Delhi, Delhi (May 1 – 2, 2017)

Paper Presentations

1. **Stronger forms of sensitivity in uniformly convergent non-autonomous dynamical systems**, International Conference on Mathematical Analysis & Applications, Department of Mathematics, NIT Jamshedpur, Jamshedpur (Nov 2 – 4, 2020)
2. **Dynamics of multi-sensitive non-autonomous systems**, Smooth and Homogeneous Dynamics, ICTS, Bangalore (Sept 23 – Oct 4, 2019)
3. **Sensitivity and chaos in non-autonomous dynamical systems**, National Research Scholar Seminar, University of Delhi, Delhi (Dec 28, 2018)

Editorial	
Reviewer <ol style="list-style-type: none"> 1. Mathematical Reviews, American Mathematical Society 2. Bulletin of the Malaysian Mathematical Sciences Society (SCIE Journal) 3. Fractal and Fractional (SCIE Journal) 4. Qualitative Theory of Dynamical Systems (SCIE Journal) 5. Journal of Dynamical and Control Systems (SCIE Journal) Membership in Professional Bodies <ol style="list-style-type: none"> 1. Interim member of the American Mathematical Society 2. Member of the International Society of Difference Equations 3. Life member of the Indian Mathematical Society (L/2020/19) 	
Orientation/ Refresher Courses Attended	
<ol style="list-style-type: none"> 1. Online Induction Training/ Orientation Programme for Faculty in Universities/ Colleges/ Institutions of Higher Education organized by TLC, Ramanujan College, University of Delhi (Mar 27 – April 23, 2024) 	
Subjects Taught/Teaching	
Semester I : DSC 1: Algebra GE: Fundamentals of Calculus PS-I: Calculus & Matrices (CBCS) GE: Calculus (CBCS) Semester IV: DSC 12: Numerical Analysis A4: Abstract Algebra SEC: Statistics with R Programming using Python Mathematical Modelling using Excel	Semester II: DSC 4: Linear Algebra GE: Introduction to Linear Algebra A2: Elementary Linear Algebra PS-II: Calculus and Geometry (CBCS) GE: Linear Algebra (CBCS) BA(P)-II: Algebra (CBCS) Semester VI: DSE 4 (ii) Linear Programming & Applications (CBCS) VAC: Vedic Mathematics II Vedic Mathematics III Vedic Mathematics IV
Software Knowledge	
LaTeX, Mathematica, Matlab, MS Office, HTML, R	
Academic Awards and Distinctions	
<ol style="list-style-type: none"> 1. Awarded Minor Research Grant (Co-PI) under the Faculty Research Programme of the Institution of Eminence Scheme, University of Delhi (2024-25) 2. Selected for Post-Doctoral Fellow in the Department of Mathematics, Indian Institute of Technology, Delhi (Mar, 2024) 3. Awarded Maulana Azad National Fellowship for carrying out doctoral work (2019) 4. Awarded third position in graduation (2014) 5. Awarded CBSE Scholarship for graduation and post-graduation (2011-2016) 	

Other Responsibilities

Co-Convener:

- Work-load Committee, SPM College, University of Delhi (June 18, 2024 – Present)

Core Member:

- Admission Committee, SPM College, University of Delhi (May 27, 2024 – Present)

Examiner:

- Algebra and Calculus for B.A. (Pass), Part I, University of Delhi, Centenary Chance Examination (Oct 2022)
- Calculus and Geometry for B.Sc. Mathematical Sciences, Semester II, University of Delhi (April 18, 2022)
- Internal Examiner for SEC: Programming with Python, Semester I, Atma Ram Sanatan Dharma College, University of Delhi (Nov 2023)
- External Examiner for VAC: Vedic Mathematics (III), Semester III, Daulat Ram College, University of Delhi (Nov 2023)

Team Member:

- NAAC Criteria 7, Ramjas College, University of Delhi (Nov 2, 2021 – Nov 13, 2022)

Vice-President:

- Jubilee Hall Students' Union, University of Delhi (May 6, 2019 – Nov 22, 2021)

Tutorial:

- Topological Dynamics for Semester Jan-May 2020, Department of Mathematics, University of Delhi
- Topology-I for Semester Jan-May 2019, Department of Mathematics, University of Delhi