

Contact:

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Department of Applied Mathematics and Humanities
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**Research Interest:**

Trigonometric Fourier Approximation

Educational Qualifications:

- **Ph. D.:** Indian Institute of Technology Roorkee in 2015.
- **M.Sc:** D.D.U. Gorakhpur University, Gorakhpur, 73.3% in 2006.
- **B.Sc:** D.D.U. Gorakhpur University, Gorakhpur, 64.50% in 2004.
- **Intermediate:** U.P. Board Allahabad, 69.8% in 2000.
- **Highschool:** U.P. Board Allahabad, 71.5% in 1998.

Thesis Information:

Thesis Topic: Some problems on trigonometric approximation in L_p ($p \geq 1$) spaces

Ph.D. Supervisor: Dr. Uday Singh, Associate Professor, IIT Roorkee.

Academic Teaching:

- **Worked as Assistant professor** of Mathematics in Department of Applied Science and Humanities, **Rajkiya Engineering College, Ambedkar Nagar, (A Government Engineering College, APJAKTU Code-737) U.P.-224122** from **11/12/2017 to 30/11/2019**.
- **Worked as Assistant professor** of Mathematics in Department of Mathematics, **Maharaja Agrasen Institute of Technology, Rohini, Sector-22, Delhi-110086** (A private Engineering College affiliated to the Guru Gobind Singh Indraprastha University, Delhi) from **26/09/2016 to 07/12/2017**.
- **September 2014 to December 2014, and Jan. 2015 to June 2015, July 2015 to Dec. 2015, 11th Jan. 2016 to 3rd June 2016, and 18th July to 22nd Sep. 2016.**
Assistant Professor (Contract)
Department of Mathematics, **NIT Jalandhar**, Punjab, India-144011.
- **January 2009 to August 2014**
Teaching Assistantship (Tutorial Classes)
Department of Mathematics, Indian Institute of Technology Roorkee.

Scholastic Achievements and Awards:

- **Qualified** CSIR –JRF (Mathematical Sciences), June 2008.
- **Junior Research Fellowship** (Council of Scientific and Industrial Research, New Delhi, India) from January 2009 to December 2010.
- **Senior Research Fellowship** (Council of Scientific and Industrial Research, New Delhi, India) from January 2011 to December 2013.
- Travel Award from CSIR-HRDG (Govt. Of India) and UCOST (Govt. Of India) to visit Ankara, **Turkey** in the year 2012.
- Travel Award from DST (Govt. Of India) to visit Las Vegas, **USA** in the year 2013.
- Travel Award from NBHM (Govt. Of India) and IITR Heritage fund to visit St.Louis, **USA** in the year 2014.

Computer Skills:

- Latex, MS Office
- Mathematica, Maple, Matlab

Research Publications:**a) Publications in International Journals**

1. Singh, U. and **Srivastava, S. K.** Degree of approximation of functions in Lipschitz class with Muckenhoupt weights by matrix means, *IAENG International Journal of Applied Mathematics*, 2013, 43(4), 190-194, (**Scopus - indexed**).
2. Singh, U. and **Srivastava, S. K.** Approximation of conjugate of functions belonging to weighted Lipschitz class $W(L_p, \xi(t))$ by Hausdorff means of conjugate Fourier series, *Journal of Computational and Applied Mathematics*, **Elsevier publications**, 2014, 259, 633-640, (**SCI, IF 1.632**).
3. **Srivastava, S. K.** and Singh, U. Trigonometric approximation of periodic functions belonging to $Lip(\omega(t), p)$ -class, *Journal of Computational and Applied Mathematics*, **Elsevier publications**, 2014, 270, 223-230, (**SCI, IF 1.632**).

4. Singh, U. and **Srivastava, S. K.** Trigonometric approximation of functions belonging to certain Lipschitz classes by C^1T operator, *Asian-European Journal of Mathematics* (**World Scientific publications**), 2014, 7(4), 1-13, (**Scopus -indexed**).
5. **Srivastava, S. K.** and Singh, U. On T-strong convergence of numerical sequence and Fourier series, *Proceedings of the National Academy of Sciences, India Section A: Physical Sciences*, **2018**, 88(4), 571-576, <https://doi.org/10.1007/s40010-016-0327-4>, **Springer Publications, (SCIE, IF 0.754) (Scopus -indexed)**.

b) Articles in Conferences Proceedings

6. Singh, U. and **Srivastava, S. K.** Fourier approximation of functions conjugate to the functions belonging to weighted Lipschitz class, Lecture Notes in Engineering and Computer Science, *Proceedings of World Congress on Engineering*, London (U.K.), 3-5 July, 2013 (Vol-I) (pp. 236-240), Newswood limited, International Association of Engineers (ISBN: 978-988-19251-0-7)(ISSN: 2078-0966(online))(**Google Scholar-indexed**).
7. **Srivastava, S. K.** and Singh, U. Trigonometric approximation of periodic functions belonging to weighted Lipschitz class $W(L^p, \psi(t), \beta)$, *Proceedings of Contemporary Mathematics Series* (**American Mathematical Society**), 2015, 645, 283-291.

c) Books/Chapters/Monographs:

8. Singh, U. and **Srivastava, S. K.** On the degree of approximation of conjugate functions in weighted Lipschitz class, *IAENG Transactions on Engineering Sciences*, **CRC Press/Balkema (Taylor & Francis Group)**, 2014, 81-89.

Professional Achievements:

International Conferences:

1. 7th Conference on Function Spaces, Department of mathematics and Statistics, Southern Illinois University, Edwardsville, Illinois, USA, May 20-24, 2014.
2. 4th International Congress on Computational Engineering and Science (FEMTEC 2013), Las Vegas, USA, May 19-24, 2013.
3. International Conference on Applied and Computational Mathematics (ICACM), Middle East Technical University, Ankara/Turkey, Oct. 3-6, 2012.

4. International Conference on Soft Computing for Problem Solving (SocPros 2011), The Institution of Engineers (India) Roorkee Local Centre, IITR Campus, Roorkee, India, Dec 20-22, 2011.
5. Participated in “International Conference on Methods and Models in Science and Technology (ICM2ST-10)”, organized by Institution of Engineers, Technocrats and Academicians Network, India, held during December 25-26, 2010 at Chandigarh, India.
6. Attended “International Conference on Mathematics and Soft Computing”, sponsored by DST, DRDO and ICMR, organized by N.C. College of Engineering, Israna, Panipat, India, held during December 04-05, 2010.
7. Participated in “International Conference & Humboldt Kolleg”, Feb 24-27, 2010. , held in Lucknow (Uttar Pradesh), India.

Workshops organized:

1. Organized a one week national workshop on “Development of soft skills (MATLAB, LATEX & MATHEMATICA)” in the capacity of **CONVENOR**, during March 25-29, 2019, in the Department of Applied Science and Humanities, REC Ambedkar Nagar (UP) and sponsored by TEQIP-III.

Workshops Attended:

1. Attended three days Executive Leadership Program offered by The Art Of Living and organized by APJ Abdul Kalam Technical University, during July 26-28, 2019.
2. One week TEQIP-III sponsored Workshop on “Nurturing Start-Up/Entrepreneurial skills in Budding Engineers”, organized by Start-Up Cell, Rajkiya Engineering College, Ambedkar Nagar (U.P.)-224122, during Feb. 15-19, 2019.
3. One week Faculty Development Programme on “Essentials of Teaching-Learning Process and Research Methodology”, under the aegis of WB TEQIP-III, conducted by the Department of Electrical Engineering at Rajkiya Engineering College, Ambedkar Nagar (U.P.)-224122, during February 04-08, 2019.
4. One week National Workshop on “Evolving Drifts in Computer Science (NWEDCS-2018)”, organized by Department of Information Technology, Rajkiya Engineering College, Ambedkar Nagar (U.P.) and sponsored by TEQIP-III, Rajkiya Engineering College, Ambedkar Nagar (U.P.), held during July 09-13, 2018.
5. One week special summer workshop on Active Learning, Autonomy, Academic Governance and R&D at IIT Roorkee, held during June 25-29, 2018.
6. Faculty Development Programme on “Recent Trends in Sciences”, organized by the

- Department of Applied Sciences at Maharaja Agrasen Institute of Technology, Rohini, Sec: 22, Delhi-110086, during June 12-16, 2017.
7. One week TEQIP-II sponsored Short Term Course on “Advances of Statistics in Science and Engineering”, jointly organized by Department of Mathematics, Department of Physics and Department of Chemistry, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, during September 19-25, 2016.
 8. QIP Workshop on “Applicable Analysis”, organized by Department of Mathematics, Indian Institute of Technology Roorkee, Roorkee on March 05, 2016 under QIP Programme.
 9. One week TEQIP-II sponsored Short Term Course on “Recent Trends in Applied Mathematics”, Organized by Society for Promotion of Mathematics, Department of Mathematics, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab-144011, during Nov. 30 - Dec. 04, 2015.
 10. DST Sponsored Advanced Training Programme on “Nonlinear Functional Analysis and its Application (ATP-NFAA)” organized by DST-Centre for Interdisciplinary Mathematical Sciences (CIMS) and Department of mathematics, Faculty of Science, Banaras Hindu University, Varanasi-221005, during March 04-10, 2013.
 11. DST Sponsored Training Programme on “Integral Transforms, Wavelets, Distribution Theory and Applications”, organized by DST-Centre for Interdisciplinary Mathematical Sciences (CIMS), Faculty of Science, Banaras Hindu University, Varanasi-221005, during July 12-21, 2012.
 12. Workshop on “Introduction to Matlab and Mathematica”, organized by Mathematical Colloquium, Department of Mathematics, , Indian Institute of Technology Roorkee, Roorkee during April 21-22, 2012.
 13. Training Programme on “Simulation and Design Using Extended Finite Element Method”, organized by the Department of Mechanical and Industrial Engineering, Indian Institute of Technology Roorkee, Roorkee during Dec. 13-17, 2010.

Invited Talks:

1. Delivered expert lectures and hands-on practice session on “Introduction to Basic and Advanced Mathematical Operations in MATLAB” on 17th and 18th June 2019 in Four Weeks Summer Internship/ Training on MATLAB & Its Application in Engineering, organized by Rajkiya Engineering College Ambedkar Nagar (UP), under the aegis of Dr. A P J Abdul Kalam Technical University and technically sponsored by IEEE Computational Intelligence Society and IEEE Kolkata Section, during June 17- July 12, 2019.

2. Delivered invited talk on JABREF (Reference Manager) on March 28, 2019 in one week national workshop on “Development of soft skills (MATLAB, LATEX & MATHEMATICA)” held during March 25-29, 2019, organized by Department of Applied Science and Humanities, REC Ambedkar Nagar (UP) and sponsored by TEQIP-III.
3. Delivered invited talk on LaTeX, on March 27, 2019 in one week national workshop on “Development of soft skills (MATLAB, LATEX & MATHEMATICA)” held during March 25-29, 2019, organized by Department of Applied Science and Humanities, REC Ambedkar Nagar (UP) and sponsored by TEQIP-III.

Member of Organizing Committee:

1. Worked as a member of organizing committee in Four Weeks Summer Internship/ Training on MATLAB & Its Application in Engineering, organized by Rajkiya Engineering College Ambedkar Nagar (UP), under the aegis of Dr. A P J Abdul Kalam Technical University and technically sponsored by IEEE Computational Intelligence Society and IEEE Kolkata Section, during June 17- July 12, 2019.
2. Worked as a member of organizing committee of three weeks INDUCTION PROGRAMME (IP) for newly admitted students organized by REC, Ambedkar Nagar (U.P.) and sponsored by TEQIP-III, during August 01-21, 2018.
3. Served as a member of organizing committee in a one week National Workshop on “Evolving Drifts in Computer Science (NWEDCS-2018)”, organized by Department of Information Technology, Rajkiya Engineering College, Ambedkar Nagar (U.P.) and sponsored by TEQIP-III, Rajkiya Engineering College, Ambedkar Nagar (U.P.) , held during July 09-13, 2018.

Certificate of Appreciation:

1. Certificate of Appreciation for contribution in making 1 student scoring 100/100 marks in a subject (Mathematics-II, Guru Gobind Singh Indraprastha University, Delhi) during the session 2016-17, awarded by Maharaja Agrasen Institute of Technology, Sector-22, Rohini, Delhi-110086 on Teachers day 2017.
2. Certificate of Appreciation for invaluable contribution in one week TEQIP-II sponsored Short Term Course on “Advances of Statistics in Science and Engineering”, jointly organized by Department of Mathematics, Department of Physics and Department of Chemistry, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, during September 19-25, 2016.
3. Certificate of Appreciation for invaluable contribution in one week TEQIP-II sponsored Short Term Course on “Recent Trends in Applied Mathematics”, Organized by Society for Promotion

of Mathematics, Department of Mathematics, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab-144011, during Nov. 30 - Dec. 04, 2015.

Personal Details:

Name:	Shailesh Kumar Srivastava
Father Name:	Sh. S.P.Srivastava
Date of Birth:	Oct. 10, 1984
Sex:	Male
Marital status:	Married
Language Proficiency:	English /Hindi
Nationality:	Indian
Hobbies:	Playing Table Tennis, Internet Browsing, Reading Hindi Literature
Passport Details:	Holds Valid Indian Passport
Skype ID.:	shaileshiitr
Permanent Address:	Vill-Pathra (New Colony Durgapuram), Near Gayatri Academy, Post-New Shivpuri Colony (Bargo), Distt-Gorakhpur, Uttar Pradesh, Pin-273016.

References:

1. Dr. Uday Singh

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Declaration:

I (Shailesh Kumar Srivastava) hereby declare that the information furnished above is true to the best of my knowledge and the detail documents will be furnished on demand.

Place: Delhi

Date:

(Shailesh Kumar Srivastava)