




DEPARTMENT OF MATHEMATICS
DYAL SINGH COLLEGE, UNIVERSITY OF DELHI
FACULTY DETAIL



Title	Dr.	First Name	Arun Pal	Last Name	Singh	Photograph
Designation	Professor					
Address	Department of Mathematics Dyal Singh College (University of Delhi) Lodhi Road, New Delhi - 110 003					
Phone No Office	011:24367819					
Residence	Nil					
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Web-Page	Nil					
Educational Qualifications						
Degree	Institution				Year	
M.Sc. (Mathematics)	University of Delhi				1994	
Ph.D. (Mathematics)	University of Delhi				2002	
Career Profile						
Teaching Experience	Undergraduate Level – 25 yrs Postgraduate Level – 1 Yr					
Administrative Assignments (From 1 st July 2017 onwards)						
1. Coordinator, School of Open Learning (SOL), University of Delhi, PCP Classes since September 2014 and till August 2019.						
2. President, for 3 years (2015-18) of the Dyal Singh College Employee Cooperative Thrifts & Credit Society.						
3. Member, PF Committee (2020-22)						
4. Member, Maintenance Committee (December 2020 to till date)						
5. Convenor, Academic Committee (2022-23)						
Areas of Interest / Specialization						
Functional Analysis and Measure Theory (Function Spaces and Inequalities)						
Subjects Taught						
Undergraduate Level - Calculus, Geometry, Analysis, Algebra, Probability and Mathematical Statistics at the level of B.A.(Honors)/B.Sc.(Honors) Mathematics, B.Sc.(Honors) Physics, B.Sc.(Honors) Chemistry, BCA/BIT, B.Sc.(General) Group 'A', B.Sc. Physical Science / Applied Physical Science / Life Science						
Postgraduate Level - Functional Analysis, Complex Analysis						
Research Guidance						
Supervising two Ph.D. students (NET-JRF qualified), registered from Department of Mathematics, University of Delhi, Delhi – 110 007						
Publications Profile (From 1 st July 2017 onwards)					Total Research Articles - 15	
1. Arun Pal Singh , Monika Singh, Pankaj Jain and Rahul Panchal, <i>Rubio de Francia extrapolation theorem in variable Lebesgue spaces for $B_{p(\cdot)}$ weights</i> , Ricerche di Matematica, Springer (pp.19) DOI: 10.1007/s11587-021-00659-0 [SCIE, IF(CA/TR-2021/10807): 1.034]						
2. Pankaj Jain, Monika Singh, Arun Pal Singh and V.D. Stepanov, <i>On duality of grand Bochner Lebesgue spaces</i> , Mathematical Notes, Vol.107(2), 2020 (247-256), Springer. [SCIE, IF (CA/TR-2021/11873): 0.673]						
3. Pankaj Jain, Arun Pal Singh , Monika Singh and V.D. Stepanov, <i>Sawyer duality principle for grand Lebesgue spaces</i> , Mathematische Nachrichten, 2018 (pp. 1-9), Vol. 292(4), 841-849, 2019. DOI: 10.1002/mana.201700312 [SCI, IF (CA/TR-2021/10241): 1.228]						

4. Pankaj Jain, Monika Singh and Arun Pal Singh , <i>Recent trends in grand Lebesgue spaces</i> , *In: <i>Function Spaces and Inequalities</i> , (Eds. P. Jain et al), Springer, New Delhi, 2017 (137-159), India (* Proceedings of the International Conference on Function Spaces and Inequalities held during December 08-12, 2015 at South Asian University (A university established by SAARC nations), Chanakyapuri, New Delhi) [Scopus]	
Conference Organization/ Presentations (From 1 st July 2017 onwards)	Total Talks / Paper Presentations - 10
<ul style="list-style-type: none"> ❖ Participated and delivered an invited talk, titled “<i>Extrapolation in Lebesgue type spaces</i>” in International Conference on Analysis and Applications -2021 organized Online by the Nepal Mathematical Society, Nepal during April 09-11, 2021. ❖ Presented a paper titled “<i>Rubio de Francia Extrapolation Theorem in Variable Lebesgue Spaces</i>” in the 86th Annual Conference of The Indian Mathematical Society – An International Meet, organized Online by the Vellore Institute of Technology, Vellore, Andhra Pradesh, during December 17 -20, 2020. ❖ Delivered a talk, titled “<i>Hardy’s Inequality</i>” in a Short-Term Advanced Training Programme on “Integral Transformations, Distributions and Wavelet Analysis (Phase-II)”, held at Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand during October 08-12, 2018. ❖ Participated and delivered an invited talk, titled “<i>Extrapolation Theory of Rubio de Francia</i>” in the 83rd Annual Conference of The Indian Mathematical Society – An International Meet, organized by the Sri Venkateswara University, Tirupati -517502 during December 12 -15, 2017. ❖ Organized a National <i>Conference on Analysis and its Applications</i>, held at Dyal Singh College (University of Delhi), Lodhi Road, New Delhi -03 during December 09-11, 2017 (in collaboration with South Asian University, New Delhi). ❖ Participated and delivered an invited talk, titled “<i>Jones’ Factorization Theorem</i>” in the International Conference on Analysis and its Applications (ICAA-17), organized by Department of Mathematics, Aligarh Muslim University, Aligarh-202002, during November 20-22, 2017. 	
Research Projects (Major Grants/Research Collaboration) (From 1 st July 2017 onwards)	
<ul style="list-style-type: none"> ❖ An ongoing research project under the MATRICS scheme of SERB, DST, New Delhi for a duration of 3 years w. e. f. July 2020. (PI, Total Sanctioned Amount: Rs 6,60,000/-) ❖ Member (Co-PI), an Indo-Russian project done under the aegis of Department of Mathematics, South Asian University, Akbar Bhawan, New Delhi funded by DST during the period 2016 -19 (duration-3 years). (Co-PI, Major Research Project) 	
Awards and Distinctions (From 1 st July 2017 onwards)	
Nil	
Association With Professional Bodies	
Life Member: Indian Mathematical Society Ramanujan Mathematical Society	
Reviewer: Mathematical Reviews (American Mathematical Society)	
Other Activities like MOOCs/ Patents etc. (From 1 st July 2017 onwards)	
Nil	

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Signature of Faculty Member