

VARINDER KUMAR

Assistant Professor, Department of Mathematics,

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Currently working as Fellow in Mathematics, Institute of Life Long Learning, University of Delhi, Delhi – 110007.

(On Deputation since 13.01.2015).

TEACHING EXPERIENCE

- ❖ Working as Assistant Professor in the Department of Mathematics, Shaheed Bhagat Singh College, University of Delhi from 25.01.2011 – till date.
- ❖ Worked as Assistant Professor (Temp.) in St. Stephen's College, University of Delhi, Delhi-110007 from 03.08.2010 to 24.01.2011.
- ❖ Worked as LECTURER (Ad-hoc) in Deen Dayal Upadhyaya College, Shivaji Marg, Karam Pura, New Delhi – 110015 from 16.07.2009 to 17.02.2010 (7 months).
- ❖ Worked as LECTURER (Ad-hoc) in Deen Dayal Upadhyaya College, Shivaji Marg, Karam Pura, New Delhi – 110015 from 03.11.2008 to 23.04.2009 (5 months and 20 days).

RESEARCH EXPERIENCE

Worked as Research Scholar (**JRF** 01.07.2006-30.06.2008 & then **SRF** 01.07.2008 – 30.06.2009) in the Department of Mathematics, University of Delhi from September 2005- September 2011.

List of Research Papers Published

1. **Frame of Subspaces for Banach Spaces**, International Journal of Wavelets, Multiresolution and Information Processing (IJWVIP) (World Scientific), **8** (2) (2010), 243- 252. (with S.K. Kaushik)

2. ***A Note on Fusion Banach Frames***, Archivum Mathematicum (Brno), Tomus **46** (2010), 145–151. (with S.K. Kaushik)
3. ***A Note on \mathcal{AD} -Frames in Banach Spaces***, in Proc Third National Conference on Mathematical techniques: Emerging Paradigms for Electronics and IT Industries, 2010, pp TS 3.5.1--3.5.6. (with S.K. Kaushik)
4. ***On Fusion Frames in Banach Spaces***, Georgian Mathematical Journal, Vol 18, No 1, 2011,121-130. (with S.K. Kaushik)
5. ***\mathcal{AD} -Frames satisfying property \mathcal{B}*** , Communications in mathematics and applications (Special Issue), Vol 3, No 3, 2012, 303-312. (with S.K. Kaushik)

RESEARCH GUIDANCE

- ❖ **Ph.D.:** Currently two research scholars are working under my supervision for their PhD degree from the Department of Mathematics, University of Delhi.
- ❖ **M.Phil.:** one research scholar is enrolled for his M.Phil. degree under my supervision from the Department of Mathematics, University of Delhi.

EDUCATIONAL QUALIFICATIONS

- ❖ **PhD** in Mathematics, Department of Mathematics, Univ. of Delhi.
- ❖ Qualified **JRF-NET** held on 18th Dec. 2005.
- ❖ Qualified **GATE - 2007**.
- ❖ **M.Sc. (Mathematics)** from University of Delhi with 73% marks.
- ❖ **B.Sc. (Hons.)** Mathematics from Kirori Mal College, University of Delhi with 69% marks.
- ❖ 12th from S.B.M Sr. Sec. School, C.B.S.E. (86.67% PCM).

PROFESSIONAL QUALIFICATION

Advance Diploma in Software Engineering from Aptech Ltd.

LANGUAGES

English & Hindi.

PARTICIPATION IN WORKSHOPS/CONFERENCES

- ❖ Participated and presented a paper entitled “*On Fusion Frames in Banach Spaces II*” in **International Workshop on Wavelets, Frames and Applications II** held at Kirori Mal College, University of Delhi, 24.12.2014 – 30.12.2014.
- ❖ Participated in **International Seminar on History of Mathematics** held at Ramjas College during 19-20 November, 2013.
- ❖ Presented a poster in **Almora Mathematical Surveys** held at Kasar Jungle Resort, Kumaun University, Almora during 03-06 October 2012
- ❖ Participated and presented a paper entitled “ *\mathcal{AD} -Frames satisfying property \mathcal{B}* ” in **International Workshop on Wavelets, Frames and Applications** held at Kirori Mal College, University of Delhi, 15.12.2011 – 21.12.2011.
- ❖ Participated and presented a paper entitled “*A Note on \mathcal{AD} -Frames in Banach Spaces*” in Third National Conference on Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries (MATEIT 2010) held during 30-31 January, 2010 in New Convention Centre, University of Delhi.
- ❖ Participated in Pre – ICM **International Convention on Mathematics** 18th – 20th December, 2008 held at University of Delhi.
- ❖ Participated in **International Conference on Operator Theory and Related Areas** 9th – 12th January, 2008 held at University of Delhi.
- ❖ Participated in **Instructional Workshop on Wavelet Analysis** 22nd Oct. – 5th Nov. 2007 held at B.H.U.
- ❖ Participated in **National Workshop on Analysis** 27-28 September, 2007 held at University of Delhi.

- ❖ Participated in **Annual Foundation School – II** 1st – 28th June, 2006 held at Bhaskaracharya Pratisthana, Pune.

HOBBIES

Travelling, Reading, Playing chess, Listening to music.

PERSONAL DETAILS

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| Date of Birth | : | July 26 th , 1981 |
| Gender | : | Male |
| Marital status | : | Married |
| Father's Name | : | Sh. Baldev Raj Harjai |
| Mother's Name | : | Smt. Neelam Harjai |
| Residential Address | : | A – 88, Sudershan Park, New Delhi – 110015. |

DECLARATION

I declare that the information given above is true to best of my knowledge.

DATE:

VARINDER KUMAR