

## **CURRICULUM VITAE**

**Dr. PRAVEEN KUMAR**

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### **CAREER OBJECTIVE:**

To work honestly in an organization with the best my research and teaching skills that offers me an opportunity so that I can contribute my knowledge skills to fulfill the mission and vision.

### **Academic Qualification:**

- Ph.D (Mathematics) from IIT(ISM), Dhanbad in March 1, 2016 on the topic: “ **Investigation in the theory of fractional wavelet transform and pseudo-differential operator**”
- M.Sc. (Mathematics) in 2009 from C.C.S. University, Meerut.
- B.Sc.(PCM) in 2007 from C.C.S. University, Meerut.
- Intermediate in 2004 from S.D. Inter College, Muzaffarnagar.
- High School in 2002 from S.D. Inter College, Muzaffarnagar.

### **FELLOWSHIPS AND ACHIEVEMENTS:**

- NBHM Project Fellow from 2012 to 2015
- GATE (Mathematics), All India Rank-328, 2011

### **Computer Skills:**

- Windows, Linux, LaTeX

### **PERSONAL INFORMATION:**

- **Father's Name :** Sh. Bhushan Singh
- **Mother's Name :** Smt. Kamlesh Devi
- **Date of Birth :** 10<sup>th</sup> April 1986
- **Languages Known :** Hindi, English
- **Nationality :** Indian
- **Marital Status :** Single

### **RESEARCH INTERESTS:**

- Pseudo-differential operator, Distribution theory, and Wavelet analysis

### **Teaching Experience:**

- **Assistant Professor(Contract)** : NIT Jalandhar (Punjab), August 07, 2017 to July 10, 2018
- **Assistant Professor(Contract)** : NIT Jalandhar (Punjab), July 31, 2018 to December 21, 2018

### **M. Sc. (Project/Dissertations) Guided:**

- Anu Chaudhary
- Harpreet Singh

### **MEMBERSHIPS :**

- Member of Society for Industrial & Applied Mathematics (SIAM) (Annual).
- Member of International Association of Engineers (IAENG).

### **Reviewer:**

- Mathematical Methods in the Applied Sciences

### **PUBLICATIONS:**

1. Akhilesh Prasad, Praveen Kumar and Tanuj Kumar. Product of continuous fractional wave packet transforms. International Journal of Wavelets, Multiresolution and Information Processing, Vol.17, No. 04, Article ID: 1950021, 2019, DOI: 10.1142/S0219691319500218 (**World-Scientific**), (**SCI**, Impact Factor **.5**).
2. Akhilesh Prasad and Praveen Kumar. Composition of pseudo-differential operators associated with fractional Hankel-Clifford integral transformations. Applicable Analysis, 2016, Vol. 95, No.8, 1792-1807, DOI: 10.1080/00036811.2015.1073264, (**Taylor & Francis**), (**SCI**, Impact Factor **.815**) (**Citation 10**).
3. Akhilesh Prasad and Praveen Kumar. The continuous fractional wavelet transform on a generalized Sobolev space. International Journal of Wavelets, Multiresolution and Information Processing, 2016, Vol. 14, No. 6, 1650046, DOI:10.1142/S0219691316500466, (**World-Scientific**), (**SCI**, Impact Factor **.5**) (**Citation 2**).
4. Akhilesh Prasad and Praveen Kumar. Pseudo-differential operator associated with the fractional Fourier transform. Mathematical Communications, 2016, Vol.21, No.1,115-126, (**SCI**, Impact Factor **.316**) (**Citation 2**).
5. Akhilesh Prasad and Praveen Kumar. Fractional continuous wavelet transform on some function spaces. Proceeding of the National Academy of Sciences, India Section A: Physical Sciences, 2016, Vol. 86, No. 1, 57-64, DOI:10.1007/s 40010-015-0222-4, (**Springer**), (**SCI**, Impact Factor **.390**) (**Citation 6**).
6. Akhilesh Prasad and Praveen Kumar. Composition of the continuous fractional wavelet transforms. National Academy Science Letters, 2016, Vol. 39, No. 2, 115-120, DOI 10.1007/s 40009-016-0421-9 (**Springer**), (**SCI**, Impact Factor **.345**) (**Citation 5**).
7. Akhilesh Prasad and Praveen Kumar. Abelian theorems for fractional wavelet transform. Asian-European Journal of Mathematics, 2017, Vol. 10, No. 01, Article ID:1750019, DOI: 10.1142/S179355711750019X, (**Thomson Reuters**, **World-Scientific**).
8. Akhilesh Prasad and Praveen Kumar. The continuous fractional wavelet transform on generalized weighted Sobolev spaces. Asian-European Journal of Mathematics, 2015, Vol. 8, No. 3, Article ID:1550054, 2015, DOI:10.1142/S1793557115500540, (**Thomson Reuters**, **World-Scientific**) (**Citation 5**).
9. Akhilesh Prasad and Praveen Kumar. Fractional wavelet transform in terms of fractional convolution. Progress in Fractional Differentiation and Applications, 2015, Vol. 1, No. 3, 201-210, (**Scopus**, **Natural Science Publishing**), (**Citation 6**).
10. Akhilesh Prasad, Praveen Kumar and Sumant Kumar. Pseudo-differential operator associated with the fractional powers of Hankel-Clifford integral transformations. Investigations in Mathematical Sciences, 2015 Vol. 5, No.1, 19-27.

### **NATIONAL CONFERENCES/ WORKSHOPS:**

1. National Conference on Recent Advances in Mathematics and its Applications (RAMA-2013) during February 14-16, 2013 Organized by Department of Applied Mathematics, Indian School of Mines, Dhanbad.
2. Workshop on Mathematical Methods & Astronomy (WMMA-2013) during February 07-09, 2013 jointly Organized by Department of Applied Mathematics, Indian School of Mines, Dhanbad and Inter University Centre for Astronomy & Astrophysics (IUCAA), Pune.
3. Research Scholars Meet-2014 during February 28, 2014 Organized by Indian School of Mines, Dhanbad.
4. Short Term Advanced Training Programme on ‘‘INTEGRAL TRANSFORMATIONS, DISTRIBUTIONS AND WAVELET ANALYSIS’’ during December 14-18, 2015 Organized by Department of Applied Mathematics, Indian School of Mines, Dhanbad.
5. Short Term Advanced Training Programme on ‘‘Integral Transformations, Distributions, Wavelet Analysis and Applications’’ during October 08-12, 2018 Organized by Department of Applied Mathematics, IIT( Indian School of Mines), Dhanbad.
6. Short term course entitled ‘‘Matrix Analysis and its Applications’’ organized by Department of Mathematics, NIT Jalandhar, held at Dr B R Ambedkar National Institute of Technology, Jalandhar, from September 23-27, 2020

### **References:**

1. Dr. Akhilesh Prasad (Professor)  
Department of Mathematics & Computing  
IIT(Indian School of Mines), Dhanbad  
Dhanbad-826004 (Jharkhand), India  
Mob No: 9431711231  
Email: [apr\\_bhu@yahoo.com](mailto:apr_bhu@yahoo.com)
2. Dr.Ravinder Kumar (Assistant Professor)  
Department of Mathematics, NIT-Jalandhar,  
Punjab -144011, India, Mob no. 9459259931  
Email: [ravithakur557@gmail.com](mailto:ravithakur557@gmail.com)

**Declaration:** I hare-by declare that the above information given by me is true to the best of my knowledge

**Date :** 02/10/2020

**(PRAVEEN KUMAR)**