


## Curriculum Vitae

<b>Full Name:</b>	Dr. Prachi FARTYAL (डॉ. प्राची फर्त्याल)		
<b>Designation:</b>	Guest Faculty		
<b>Department:</b>	Department of Mathematics		
<b>College:</b>	Indira Priyadarshini Government Girls Post Graduate Commerce College, Haldwani – 263139, Uttarakhand, India		
<b>Telephone:</b>	+91	<b>Fax:</b> +91	
<b>Mobile:</b>	+91 9410126311		
<b>Email</b>	prachifartyal@gmail.com		
<b>Education Qualification:</b>	Degree, University, Year > In 2015: <b>Ph.D. Mathematics</b> . Thesis entitled "Numerical Simulation of Convective Flow through Porous Media", under the supervision of Prof. S R Ansari, HNB Garhwal University, (Central Univ.) Srinagar Garhwal Uttarakhand, India. > In 2001: <b>M.Sc. Mathematics</b> from the Kumaun University, Nainital, Uttarakhand, India > In 1999: <b>B.Sc. Mathematics</b> (Physics, Chemistry, Mathematics) from the Kumaun University, Nainital, Uttarakhand, India. > In 2006: <b>B.Ed. Mathematics</b> Science, IGNOU, New Delhi		
<b>Teaching Experience:</b>	<u>20</u> Years	<b>Research Experience:</b>	<u>07</u> Years
<b>Research Interest and Fields of Specialization</b>			
Research field: Mathematical Science(fluid dynamics)			
<b>WORK EXPERIENCE/ Teaching Experience in School/University Campus: 20 Years</b>			
<b>Period</b>	<b>Organisations/School</b>	<b>Location</b>	
28/12/2021 to till date	Guest Faculty Department of Mathematics,	Indira Priyadarshini Government Girls Post Graduate Commerce College, Haldwani – 263139 India	
15 <sup>th</sup> November 2017 – 27/12/2021	Guest Professor, Dept of Mathematics, On. S. Govt. Degree College	Devprayag (Tehri Garhwal) Uttarakhand	
1 <sup>st</sup> September 2016 – 14 <sup>th</sup> November 2017 <b>(1yr.2m)</b>	Guest Faculty Department of Mathematics, HNB Garhwal University	Srinagar Garhwal, Uttarakhand	
August 2015 – August 2016	The Heritage School ICSE board	Near MKP college Dehradun	
March 25, 2015 – May 31, 2015	Worked as PGT (Maths) in Pestle Weed College International School	Pestle Weed College Dehradun	
2012 – 2015	Teaching during Ph.D. work in B.Sc. 1 <sup>st</sup> & 2 <sup>nd</sup> yrs in maths Dept.	Department of Mathematics Birla Campus, HNBSGU, Srinagar Garhwal	
2014 – 15	Maths Guest-faculty (lecture base) in B. Pharma 1 <sup>st</sup> year (lecture base)	Department of Pharmaceutical Sciences Chauras Campus, HNBSGU	
2012 – 13	Maths Guest-faculty (lecture base) in B. Pharma 1 <sup>st</sup> year	Department of Pharmaceutical Sciences Chauras Campus, HNBSGU	
04 April 2009 – 20 March 2010	Worked as PGT (Maths) in Saraswati Public School	Haldwani (Nainital), U.K	
13 July 2006 – 31 December 2008	Worked as PGT (Maths) in Rainbow Public School	Srinagar Garhwal, U.K	
07 July 2004 – 31 March 2006	Worked as PGT (Maths) in Columbus Public School	Rudrapur, US Nagar, UK	
April 2003 – march 2004	Worked as P.R.T. in Jaycees Public School	Rudrapur, US Nagar, UA	
April 2002 – March 2003	Worked as TGT (Maths) in Queen's Public School	Haldwani, Nainital, UA	
<b>Conference/Symposium/Workshop Attended:</b>			
1. Participate in the three days 4 <sup>th</sup> Annual conference poster presented entitled "Celebrating taxonomy: red eyed insect" organised by the Indian Society of Evolutionary Biologists, 'Revolutionizing Darwinian Synthesis: Fresh Perspectives and Future Challenges' at Ahmedabad University from February 09-11, 2023. 2. Participate and presented paperthrough Skype video in the three days international conference			

on *Aerosol, Air Quality & Climate Change on Himalayan Region of Uttarakhand* “AAA - 2018” paper entitled “Numerical Investigation of Mixed Convection in Horizontal Channel Filled with Isotropic Porous Medium” organized by Dept. of Physic, HNB Garhwal University Srinagar, October 21<sup>st</sup> – 23<sup>rd</sup> 2018.

3. Participated in state level one day workshop on “*Intellectual Property Rights (IPR)*” organized by Dept. of Zoology, Govt. Degree College, Devprayag and sponsored by Uttarakhand State Council for Science and Technology (UCOST) Dehradun on 12 October 2018.
4. Participated in the one week course “Stability of vortices and non-isothermal parallel flow” conducted by Dept. of Mathematics, IIT Roorkee under **GIAN** program by course faculty Prof. Y. Hattori, Japan & Prof. P. Bera IIT Roorkee, November 04<sup>th</sup> - 09<sup>th</sup> 2017.
5. Participate and presented paper in the three days international seminar on - *recent advances in mathematics and mathematical sciences and their applications* “RAMMSA 2016” paper entitled “Numerical Study on mixed Convection flow in a Horizontal Channel fill with porous media” organized by HNB Garhwal University Pauri Campus, November 10<sup>th</sup> - 12<sup>th</sup> 2016.
6. Participate and presented paper in the three days international seminar on - *19th International Conference of International Academy of Physical Sciences* “CONIAPS 2016” paper entitled “A Spectral Collocation Approach on the Numerical study of Mixed Convective Flow in Parallel Channel Filled with Porous Medium” organized by Kumaon University, Nainital October 17<sup>th</sup> - 19<sup>th</sup> 2016.
7. Participate in the “*advance training programme on SPSS (ATP on SPSS)*” on the international year of statistics, organized by department of statistics, HNB Garhwal University, Srinagar Garhwal, on 30<sup>th</sup> – 31<sup>st</sup> January 2014

#### **Published papers in national and international peer-reviewed scientific journals:**

1. Ajay Kumar and **Prachi Fartyal** Dynamical behavior for the approximate solutions and different wave profiles nonlinear fractional generalised Pochhammer-Chree equation in mathematical physics. Research Square, DOI No.: <https://doi.org/10.21203/rs.3.rs-1983028/v1> **August 2022** under review Springer).
2. Bhardwaj, Asha, Khan, Mohd Zahier, **Fartyal, Prachi**, Sarswat, Manisha and Fartyal, Rajendra Singh. Drosophilid diversity (Diptera: Drosophilidae) from Shimla District, Himachal Pradesh. *Indian Journal of Entomology*, **81(1)**:82-86, ISSN: 0367-8288(Print) ISSN: 0974-8172 (Online) (DoI No.: 10.5958/0974-8172.2019.00026.9) 30 April **2019**. UGC-CARE list.
3. Fartyal, R.S., Sarswat, M., Dewan, S., **Fartyal, P.** Morphometric analysis of wild-caught flies of *Drosophila* (Diptera: Drosophilidae) species: Altitudinal pattern of body size traits, wing morphology and sexual dimorphism. *Turkiye Entomoloji Dergisi* (Turkish Journal of Entomology) **41(4)**: 367-382 (DOI: <http://dx.doi.org/10.16970/entoted.331102>), ISSN 1010-6960; E-ISSN 2536-491X, **IF=0.388, 2018. SCI Journal.**
4. Ashok Kumar, Pravez Alam, and **Prachi Fartyal**. Thermo-solutal natural convection in an anisotropic porous enclosure due to non-uniform temperature and concentration at bottom wall. *Advances in Applied Mathematics and Mechanics* Vol. 7, No. 5, pp. 644-662 DOI: <https://doi.org/10.4208/aamm.2014.m632> *Impact Factor = 0.788*. ISSN: 2070-0733 (Print), 2075-1354 (Online) Publisher Global Science Press **October 2015** (UGC Care list 946/21100201017) Scopus Index.

#### **Paper Published in Edited Book chapter:**

1. **Prachi Fartyal**, Ashok Kumar. Numerical Investigation of Mixed Convection in Horizontal Channel Filled with Isotropic Porous Medium. In: *Advancement in Basic and Applied Sciences*. (eds. Alok Sagar, Tusar kandari), Published by Ancient Publishing House, New Delhi, chapter no. – 27, page no. 302-320. (ISBN : 978-93-84866-90-7). **2019**.

#### **INVITED AS RESOURCE PERSON:**

1 - Delivered an invited lecture on “*Basics of Biostatistics*” at PG students and research scholars of the Department of Zoology, HNB Garhwal University, SRT Badshahithaul Campus, Tehri Garhwal-249199, one lecture in Department of Zoology, on 1 April 2017.

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