


## BRIEF PROFILE

	<b>Name</b>	Dr. Vikas Kumar
	<b>Designation</b>	Assistant Professor
	<b>Area</b>	Applied Mathematics & Bio-Statistics
	<b>Email</b>	vikas.mathematica@gmail.com
	<b>Contact No.</b>	+91-9568617581
<b>Professional Experience</b>	<ul style="list-style-type: none"> <li>• Currently, Assistant Professor in Department of Mathematics, School of Applied and Life Sciences, Uttaranchal University, Dehradun Since 22 July 2020.</li> <li>• Worked as Senior lecturer (Aug. 2011-Dec. 2013) in the Department of Mathematics, Dev Bhoomi Group of Institution, Dehradun.</li> <li>• Worked as Senior lecturer (Jan. 2015-May. 2015) in the Department of Mathematics, JB Institute of Technology, Dehradun.</li> </ul>	
<b>Education Qualification</b>	<ul style="list-style-type: none"> <li>• <b>B.Sc. (Mathematics, Computer Science) in 2009</b></li> <li>• <b>M.Sc. (Mathematics) in 2011</b></li> <li>• <b>Diploma in Computer Application (DCA)</b></li> <li>• <b>Ph.D. (Bio-Mathematics) in 2019</b></li> </ul>	
<b>Area of Research</b>	<b>Population Dynamics, Bio-Mathematical Modelling</b>	
<b>Current Research, If any</b>	<b>Working on Fuzzy Modelling in Population Dynamics</b>	
<b>Publications:</b> <ul style="list-style-type: none"> <li>• <b>Articles in Journals (only Scopus/SCI)</b></li> <li>• <b>Books edited/Chapter contributed/ Books authored</b></li> </ul>	<ul style="list-style-type: none"> <li>• Research Paper entitled as “<b>Mathematical Modeling of India’s Population Growth</b>” published in ‘Aryabhata Journal of Mathematics and Informatics’ (ICI/UGC approved), Vol.08 Issue-02, Nov. 2016, ISSN: 2394-9309 (E) / 0975-7139 (P).</li> <li>• Research Paper entitled as “<b>Stability Analysis of Logistic Growth Model with Immigration Effect</b>” published in ‘Indian Journal of Scientific Research’ (ICI/UGC approved), Vol.16 Issue-01, 2017, ISSN: 2250-0138 (O) / 0976-2876 (P).</li> <li>• Research Paper entitled as ‘<b>Age Structured Model with Migration Flow in Human Population Dynamics</b>’</li> </ul>	

	<p>published in ‘Journal of Applied Science and Computations’ (SCI/UGC approved), Vol. 6 Issue-03, 2019, ISSN: 1076-5131, Pp 2870-2879.</p> <ul style="list-style-type: none"> <li>• Research Paper entitled as “ <b>Analysis and Application of Time Delay Model in Human Population Dynamics</b>” published in ‘ Journal of Computer and Mathematical Sciences’(UGC approved), Vol.10 Issue-04, April 2019, ISSN: 0976-5727,Pp 686-694</li> </ul>
<p><b>Conferences/Seminars/Workshops/ FDP/MDP attended</b></p>	<ul style="list-style-type: none"> <li>• Participated in Faculty Development Program on ‘Fuzzy Mathematics and its Applications’ organized by Department of Mathematics, Government College Daman, from 11<sup>th</sup> July to 13<sup>th</sup> July 2020.</li> <li>• Participated in International Faculty Development Program on ‘Mathematical Modelling in Multidisciplinary Domain’ organized by Department of Mathematics, Bannari Amman Institute of Technology, from 1<sup>st</sup> June to 7<sup>th</sup> June 2020.</li> <li>• Participated in Faculty Development Program on ‘Outcome Based Education and Accreditation’ organized by IILM College of Engineering &amp; Technology , from 25<sup>th</sup> May to 29<sup>th</sup> May 2020.</li> <li>• Participated in International Webinar on ‘Mathematical Modelling in Multidisciplinary Mathematics’ organized by Indian Institute of Teacher Education, Gandhinagar, from 1<sup>st</sup> May to 2<sup>nd</sup> May 2020.</li> <li>• Participated in 19<sup>th</sup> Annual Conference on “Recent Advances in Mathematics and Mathematical Science and their Applications (RAMMSA -2016)”, November 10-12, 2016, Organized by Deptt. of Mathematics, Pauri Campus, H.N.B. Garhwal University.</li> <li>• Participated and presented a paper on “Analysis of Population Growth and Urbanization in Uttarakhand ” in “National Conference on Science &amp; Technology for National Development”, November 20-22, 2016, Organized</li> </ul>

	<p>by ‘The Indian Science congress Association: Haridwar Chapter’, Gurukul Kangri University, Haridwar.</p> <ul style="list-style-type: none"> <li>• Participated and presented a paper on “Mathematical Modeling of Population Growth and Its Impact on Natural Resources in Uttarakhand ” in “11<sup>th</sup> Uttarakhand State Science &amp; Technology Congress”, March 02-04, 2017, organized by UCOST, Vigyan Dham, Dehradun.</li> <li>• Participated and presented a paper on “Mathematical Modeling of Population Development Equation” in ‘National Conference on Mathematical Modeling- Modern Approaches’, October 13-14, 2017, organized by DIT University Dehradun.</li> <li>• Participated in “International Conference on Climate Change and Disaster Risk Reduction” 26-28 October, 2018, organized by Deptt. of Geology, HNBGU Campus Tehri, Garhwal.</li> <li>• Participated in “World Humanitarian Summit, Rio +23 Program”; India 2016 for short term course study in Human Population Growth and Regulation.</li> </ul>
<p><b>Award/Certificate/Prize received</b></p>	<ul style="list-style-type: none"> <li>• <b>“Excellence in Teaching” Award 2020 by Vigyan Varta International E-magazine.</b></li> <li>• Certificate on ‘<b>Introduction to Go-Data, Field Data Collection, Chains of Transmission and Contact Follow-Up</b>’ for the Study of Covid-19 Transmission by World Health Organization (WHO).</li> <li>• Lifetime member of <b>“The Indian Science Congress Association, Haridwar-Chapter”</b>.</li> </ul>
<p><b>Any extra-curricular activities</b></p>	<ul style="list-style-type: none"> <li>• Member Secretary of Sport Committee , School of Applied and Life Sciences, Uttaranchal University</li> </ul>