


## Curriculum Vitae

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|--|--|----------------------------|----------|---|
| <b>Full Name</b>   | Dr.Umesh Chandra Gairola   |                            |          |  |
| <b>Designation</b>   | Professor  |                            |          |   |
| <b>Department</b>  | Mathematics  |                            |          |   |
| <b>Campus</b>  | BGR Campus ,Pauri  |                            |          |   |
| <b>Telephone</b>   | 01368-222017   |                            |          |   |
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| <b>Email</b>   | ucgairola@rediffmail.com   |                            |          |   |
| <b>Education Qualification</b>   | B.Sc.1984, Garhwal University, Srinagar Garhwal<br>M.Sc.1986 , Garhwal University, Srinagar Garhwal<br>PhD 1990,Gurukul Kangari Vishwavidyalaya, Hardwar |                            |          |   |
| <b>Teaching Experience</b>   | 34 Years   | <b>Research Experience</b> | 34 Years |   |
| <b>Areas of Interest/ Specialization</b>   |  |                            |          |   |
| 1.Nonlinear Analysis   |  |                            |          |   |
| <b>Honours &amp; Awards</b>  |  |                            |          |   |
| 1. Member of executive council , Vijnana Parishad of India<br>2. Member Editorial Board, Journal of Mountain Research.<br>3. Member Editorial Board, Journal Of Statistics and Mathematics<br>4. Chief Editor ,Himbharti (Campus Magazine) from 2009-10 to 2012-13<br>5. Member , BOS, Mathematics<br>6. President , Society for Himalayan Action and Research and Development |  |                            |          |   |
| <b>Member of Academic Institutions</b>   |  |                            |          |   |
| 1.Formar Member VMC Kendriya Vidyalaya Pauri   |  |                            |          |   |
| <b>Membership of Scientific Organization</b>   |  |                            |          |   |
| 1. Life member of <i>Indian Mathematical Society</i><br>2. Life member of <i>Indian Science Congress Association</i><br>3. Life member of <i>Ramanujan Mathematical Society</i><br>4. Life member of <i>Vijnana Parishad of India</i><br>5. Life member of <i>Allahabad Mathematical Society</i><br>6. Life member of Society for <i>Educational Research and Application</i>  |  |                            |          |   |

7. Life member of *Society for Himalayan Action and Research and Development*
8. Life member of *Indian Society for History of Mathematics*
9. Life member *Bhartiya Ganit Parishad*

**Research Supervision (No. of Ph.D. Degree Awarded/ Registered)**

1. Awarded- **06**
2. Registered- **02**

**Administrative Experience**

1. Worked as Head of the Department since February 2002 to January 2003 and February 2017 to February 2019.
2. Worked as Hostel Warden since February 2001 to March 2004
3. Worked as an Assistant Proctor for five Academic sessions
4. Worked as a Programme officer in N.S.S. for one year (1995-1996)
5. Member of Building Construction committee Campus pauni
6. Worked as an Assistant Centre Superintendent of Examination for five years in Campus Pauni.
7. Worked as Assistant Dean Student welfare since July 2009 to July 2013.
8. Worked as Chief Election officer Student Union, 2019

**Conference/Symposium/Workshop Attended since 2012.**

**International**

Attended/Presented Paper/Invited Talk/Keynote Address/Session Chair, Title of event, place, date, year

1. Presented a paper in International Conference on History and development of Mathematical Sciences and Symposium on Nonlinear Analysis and Applications, Nov. 21-24, 2012. M.D. University Rohatak
2. Presented a paper in International Conference on Recent Trends in Applied Sciences with Engineering Applications, April 26-28, 2013, Truba Institute of Engineering and Information Technology, Bhopal.

3. Presented a paper in International Conference on Recent Trends in Mathematics, July 10-12, 2015. Department of Mathematics, University Of Allahabad.
4. Delivered an invited talk in 19<sup>th</sup> International Conference of International Academy of Physical Sciences & Symposium on Fixed Point Theory and Dynamical Systems, October 17-19, 2016, DSB Campus, KU Nainital.
5. Delivered an invited talk on “Fixed point theorem and partial metric spaces” In International conference on **History and Recent Development in Mathematics, with Application in Science and Technology** organized by MBIT, New Vallabh Vidyanagar, Gujarat, December 17-19, 2019 and
6. Delivered an invited talk on “Role of Contraction in Fixed point theory” and chaired a technical session In **International Conference on Recent Advances in Algebra, Analysis & Applications** organized by MLSU, Udaipur, Rajasthan, December 20-22, 2019.
7. Delivered an invited talk on “Recent Development in Metric fixed point theory” in International Conference and 22<sup>nd</sup> Annual convention of Vijana Parishad of India on Advances in Operations Research, Statistics and Mathematics organized by Department of Mathematics, BITS Pilani Campus during December 28-30, 2019.
8. **Chaired a technical session in International e-Conference on Fixed Point Theory and its Applications to Real World Problems** organized by Department of Mathematics, Government Post Graduate College Maldevta, Raipur (Dehradun), Uttarakhand on June 27, 2020.

### **National**

1. Delivered a talk in Workshop on Scientific Computing: Theory and Practices, Oct. 08-13, 2012, Gurukula Kangri Vishwavidyalaya, Hardwar.
2. Presented a paper National Conference on Mathematical and Computational Modelling, May 24-26, 2013. Dr. BR Ambedkar University, Agra,
3. Attended a Workshop on Mathematical Modelling and computational Techniques, September 27-28, 2013, Punjab University Chandigarh.
4. Delivered an invited talk and Chair a session in National Conference on “Role of Mathematics In sustainable Development, October 15-16, 2014, Govt. PG College Karan Prayag.
5. Presented a paper in National Conference on “Science and Technology for Human Development”, Gurukula Kangri Vishwavidyalaya, Hardwar. March 20-21, 2015

6. Presented a paper National Conference on “Science and Technology for indigenous Development in India”, September 28-30, 2015, Gurukula Kangri Vishwavidyalaya, Hardwar.
7. Presented a paper Regional Seminar on “Man and Nature” November 28, 2015 H.N.B.Garhwal University, Campus Pauri.
8. Delivered an invited talk in National Conference on Progressive Science and Engineering, October 24-25,2016,Institute of Technology, Gopeshwar,
9. Delivered an invited talk in National Conference on Science and Technology for National Development, November 20-22, 2016. Gurukula Kangri Vishwavidyalaya, Hardwar.
10. Delivered an invited talk on “Role of Mathematics in rural development” and chaired a technical session in Science Congress Association (ISCA) on **Science &Technology: Rural Development** organized by Department of Chemistry and Physics, Gurukula Kangri Vishwavidhyalaya, February 15-16, 2020.
11. International Webinar on **Impact of COVID-19 on Research and Academic Activities** organized by Departments of Physics, H.N.B. Garhwal University, S.R.T. Campus, Badshahi Thaul, Tehri Garhwal - 249199 & Departments of Physics, Govt. P. G. College New Tehri, Tehri Garhwal – 249001 during June 19-20, 2020.

#### **Conference/Symposium/Workshop Organized.**

1. Organized a *National Seminar on Pattern of education relevant to Uttarakhand*, 24-25 May, 1998, Pauri.
2. Organized A *National Conference on Nonlinear Analysis and Applications*, June 5-7, 2010, H. N. B. Garhwal University Campus Pauri.
3. Organized *The 19<sup>th</sup> Annual Conference of Vijnāna Pariṣad of India on Recent advances in Mathematics and Mathematical Sciences and their Applications& Symposium on Fixed Point Theory and Applications(Dedicated to Professor S. L. Singh)*November 10-12, 2016 Hemvati Nandan Bahuguna Garhwal University, Pauri Campus, Pauri (Uttarakhand)-246001

#### **Best Peer-Reviewed Publications 2009 onwards**

1. Gairola U.C. and A.S.Rawat, A fixed point theorem for two pair of maps satisfying a new contractive condition of integral type, Int.. Math. Forum 4(4) (2009), 177-183.
2. Gairola U.C. and A.S.Rawat, A fixed point theorem for Non continuous Maps satisfying

integral type inequality ,Journal of Indian Mathematical society, 80(1-2)2013,69-77.

3. Gairola U.C., Some Coincidence and fixed point results for hybrid contraction, *Mathematical Theory and Modelling*3(6)(2013),346-358.
4. Gairola U.C. and Ram Krishan, Fixed point theorem for hybrid contraction with implicit relations, *Global J.Pure and Applied Mathematics*, 10(3)(2014),255-264.
5. Gairola U.C. and Ram Krishan, Coincidence and fixed point theorems for multivalued and single valued mappings, *Journal of Indian Mathematical Society*, 82(2015), 65-82.
6. Swati Antal and U.C.Gairola, Caristi-Banach type contraction via simulation function, *Jñānābha*, 50 (1) (2020), 43-48.
7. Smita Negi and U.C.Gairola, Common fixed points for generalized multivalued contraction mappings on weak partial metric space ,*Jnanabha* 49(2)(2019),34-44.
8. Deepak Khantwal and U.C.Gairola, An extension of Matkowski's and Wardowski's fixed point theorems with applications to functional equations, *Aequationes Mathematicae* 93(2)(2019),433-443.
9. Smita Negi and U.C.Gairola, Common fixed points of Suzuki type generalized multivalued contraction mappings on weak partial metric space ,*Jnanabha* 50(1)(2020),35-42.
10. Swati Antal and U.C.Gairola, Common fixed point for generalized multivalued mappings via simulation function in metric spaces, *Commun. Korean Math. Soc.*, 35 (4) (2020), 1107–1121.

**Book:** Umesh C Gairola and Rajendra Pant, **Recent Advances in Fixed point theory and applications(Edited)**, Nova Science Publishers inc, New York, 2017. ISBN 978-1-53612-085-1

**Total Number of Research Publications:38**