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## Curriculum Vitae

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### Dr. Naveen Chandra

Assistant Professor

Department of Mathematics,

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### Academic Qualification:

- ◆ 2019, **Ph. D** Mathematics from D. S. B. Campus, Kumaun University, Nainital, Uttarakhand  
(Title of the Thesis: *Fixed Point Theorems and Fractal Graphics*)
  - ◆ 2014, Qualified **NET** conducted by CSIR-HRDG, New Delhi.
  - ◆ 2012, **M. Sc.** (Mathematics) from D. S. B. Campus, Kumaun University, Nainital, Uttarakhand.
  - ◆ 2010, **B. Sc.** (Physics, Chemistry, Mathematics) from D. S. B. Campus, Kumaun University, Nainital, Uttarakhand.
  - ◆ 2007, **12<sup>th</sup>** (Physics, Chemistry, Mathematics, English, Hindi) from Uttarakhand Board.
  - ◆ 2005, **10<sup>th</sup>** (Hindi, English, Mathematics, Science, Social Science, Drawing) from Uttarakhand Board.
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### Awards/ Honors

- ◆ Got **Letter of Appreciation** from **Vice-Chancellor**, Kumaun University, Nainital for efforts as an active member of the organizing team in **19<sup>th</sup> International Conference of International Academy of Physical Sciences & Symposium on Fixed Point Theory and Dynamical Systems**, Department of Mathematics, D. S. B. Campus, Kumaun University, Nainital.
  - ◆ Awarded **Rajiv Gandhi National Fellowship (RGNF)** of **UGC, New Delhi**.
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### Experiences

- ◆ As an **Assistant Professor** at S. N. S. Govt. P. G. College, Narayan Nagar, Pithoragarh from June 19, 2019 to Present.
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### Publications

1. M. C. Singh, Mahesh C. Joshi, **N. Chandra**, *Fixed point theorems on a closed ball*, **Mathematica Moravica**, 25(1) (2021), 47–55. doi: [10.5937/MatMor2101047C](https://doi.org/10.5937/MatMor2101047C)
2. M. C. Arya, **N. Chandra**, Mahesh C. Joshi, *Fixed point of  $(\psi, \varphi)$  contractions on metric spaces*, **The Journal of Analysis**, 28 (2020), 461–469. doi: [10.1007/s41478-019-00181-5](https://doi.org/10.1007/s41478-019-00181-5)
3. **N. Chandra**, Mahesh C. Joshi, N. K. Singh, *Fixed point theorems for generalized non-expansive mappings*, **Jñānābha**, 49(2) (2019), 1–5.
4. Mahesh C. Joshi, M. Rani, **N. Chandra**, *Transcendental Picard-Mann hybrid Julia and Mandelbrot sets*, **Mathematica Moravica**, 23(1) (2019), 41–49.  
doi: [10.5937/MatMor1901041J](https://doi.org/10.5937/MatMor1901041J)
5. **N. Chandra**, Mahesh C. Joshi, N. K. Singh, *Fixed point theorems for generalized multi-valued contraction*, **The Journal of Analysis**, 26 (2018), 49–59. doi: [10.1007/s41478-017-0067-0](https://doi.org/10.1007/s41478-017-0067-0)

6. M. C. Arya, **N. Chandra**, Mahesh C. Joshi, *A coincidence point theorem in partial metric space*, **Ganita**, 68(2) (2018), 01-06.
7. **N. Chandra**, Mahesh C. Joshi, Narendra K. Singh, *Common fixed points for faintly compatible mappings*, **Mathematica Moravica**, 21(2) (2017), 51–59.  
doi: [10.5937/MatMor1702051C](https://doi.org/10.5937/MatMor1702051C)
8. **N. Chandra**, M. C. Arya, Mahesh C. Joshi, *A Suzuki type common fixed point theorem*, **Filomat**, 31(10) (2017), 2951–2956. doi: [10.2298/FIL1710951C](https://doi.org/10.2298/FIL1710951C)
9. P. C. Mathpal, L. K. Joshi, Mahesh C. Joshi, **N. Chandra**, *Common fixed point theorems for hybrid pair of mappings*, **Filomat**, 31(10) (2017), 2975–2979. doi: [10.2298/FIL1710975M](https://doi.org/10.2298/FIL1710975M)
10. **N. Chandra**, M. C. Arya and Mahesh C. Joshi, *Common fixed point theorems for multi-valued maps in partial metric spaces*, **International Journal of Engineering, Contemporary Mathematics and Sciences**, 2(1) (2016), 1-9.

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### Chapters in Proceedings/Books

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1. **N. Chandra**, Mahesh C. Joshi, B. Joshi, N. K. Singh, *Coincidence point theorems for non-expansive type mappings and an application to dynamic programming*, Chapter 6 in: *Fixed Point Theory and its Applications to Real World Problem*, **Nova Science Publishers, Inc. (USA)**, (2021). ISBN: 978-1-53619-336-7
2. **N. Chandra**, M. C. Arya, Mahesh C. Joshi, *Coincidence point theorems for generalized contraction in partial metric spaces*, Chapter 10 in: *Recent Advances in Fixed Point Theory and Applications*, **Nova Science Publishers, Inc. (USA)**, (2017). ISBN: 978-1-53612-085-1

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### Life Membership

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- ◆ Indian Mathematical Society
- ◆ Vijnāna Parishad of India

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### Orientation/Refresher/Faculty Development Programmes

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- ◆ Completed **Orientation Programme (OP-45)** at the **UGC-Human Resource Development Centre, Kumaun University, Nainital** during **05-11-2019** to **26-11-2019**.

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### Papers Presented in Conferences/Webinars

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1. *Fixed Points of Non-expansive Type Maps and Applications*, **International e-Conference on History of Mathematics** organized by *Indian Society for History of Mathematics (ISHM)*, December 20- December 20-22, 2020.
2. *The Role of Fixed Point Theory in Quantitative Sciences*, **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, India*, June 27, 2020.
3. *Some Fixed Point Results for Non-expansive Type Mappings*, **National Conference on Science & Technology: Rural Development** organized by *The Indian Science Congress Association: Haridwar Chapter, Department of Chemistry & Physics, Gurukul Kangri Vishwavidhyalaya, Haridwar*, February 15-16, 2020.

4. An Introduction to Some Famous Female Mathematicians, **National Seminar on Bridging the Gender Gap Through STEM** sponsored by *Uttarakhand State Council for Science & Technology (UCOST)* and organized by *UGC-HRDC, Kumaun University, Nainital in collaboration with UPSA*, November 8-9, 2019.
5. Generalization of Some Fixed Point Theorems, **National Conference on Advances in Mathematics and Its Applications** organized by *Department of Mathematics, M. B. Govt. P. G. College, Haldwani, Nainital, Uttarakhand* in association with *Uttarakhand Science Education & Research Centre(USERC), Dehradun*, March 17-18, 2018.
6. A Suzuki Type Fixed Point Theorem for Generalized Multi-valued Contraction, **2<sup>nd</sup> International Conference on Vijnāna Parishad of India on Recent Trends Computing in Mathematics, Statistics & Information Technologies** organized by *Department of Mathematical Sciences & Computer Applications, Bundelkhand University, Jhansi*, March 9-11, 2018.
7. Fixed Point Theorems for Four Mappings Under Faint Compatibility, **8<sup>th</sup> Conference of The Indian Science Congress Association: Haridwar Chapter “Reaching the Unreached Through Science and Technology”** organized by *Department of Mathematics & Computer Science, D. S. B. Campus, Kumaun University, Nainital*, October 14-15, 2017.
8. A Fixed Point Theorem for Faintly Compatible Mappings, **National Conference on History of Mathematical Sciences** sponsored by *UGC, New Delhi* and organized by *Department of Mathematics, S. G. R. R. (P. G.) College, Dehradun* in association with *Indian Society for the History of Mathematics(ISHM)*, October 5-7, 2017.
9. A Suzuki Type Fixed Point Theorem for Generalized Multi-valued Contraction, **International Conference on Mathematics & Applications** organized by *Department of Mathematics, Ramjas College, University of Delhi*, April 26-28, 2017.
10. A Common Fixed Point Theorem Under the Generalized Condition, **19<sup>th</sup> Annual Conference of Vijnāna Parishad of India on Recent Advances in Mathematics & Mathematical Sciences and Their Applications & Symposium on Fixed Point Theory and Applications (Dedicated to Prof. S. L. Singh)** organized by *Department of Mathematics, Pauri campus, Pauri Garhwal*, November 10-12, 2016.
11. A Suzuki Type Theorem in Complete Metric Space, **1<sup>st</sup> National Conference on Progressive Sciences & Engineering** organized by *Institute of Technology, Gopeshwar*, October 24-25, 2016.
12. Suzuki Type Fixed Point Theorems for Commuting Mappings in Metric Spaces, **19<sup>th</sup> International Conference of International Academy of Physical Sciences & Symposium on Fixed Point Theory and Dynamical Systems** organized by *Department of Mathematics & Computer Science, D. S. B. Campus, Kumaun University, Nainital*, October 17-19, 2016.
13. Coincidence Point of Multi-valued Maps with Rational Expressions in Partial Metric Spaces, **18<sup>th</sup> International Conference of International Academy of Physical Sciences on Recent Trends in Physical Sciences** sponsored by *DST, UGC & IAPS* and organized by *Faculty of Science, University of Allahabad, Allahabad* in collaboration with *United Group of Institutions, Allahabad*, December 22-24, 2015.

14. Fixed Point of Single and Multi-valued Maps in Partial Metric Spaces, **National Conference on Science & Technology for Indigenous Development in India** organized by *The Indian Science Congress Association: Haridwar Chapter* and *Faculty of Engineering & Technology, Gurukula Kangri Vishwavidyalaya, Haridwar*, September 28-29, 2015.
15. Fixed Point of Various Maps in Partial Metric Spaces, **International Conference on Recent Trends in Mathematics** sponsored by *DST, UGC, CSIR, Govt. of India, IMSc. Chennai & IAPS* and organized by *Department of Mathematics, University of Allahabad, Allahabad*, July 10-12, 2015.
16. Application of Iterative Schemes In Engineering Sciences, **International Conference on Soft Computing Techniques for Engineering & Technology** organized by *School of Computing & Department of Allied Sciences, Graphic Era Hill University, Bhimtal Campus, Nainital*, August 7-8, 2014.

#### **Declaration**

I hereby declare that the above mentioned particulars are true according to the best of my knowledge.

**(Naveen Chandra)**