

PUBLICATIONS

1. Meena Joshi, **Shivangi Upadhyay**, Anita Tomar and Mohammad Sajid, Geometry and Application in Economics of Fixed point”, Symmetry, 2023, 15, 704, 1-19. ISSN 2073-8994.
2. Anita Tomar, Said Beloul, **Shivangi Upadhyay** and Ritu Sharma, Strict Coincidence and Strict Common Fixed point via Strongly Tangential property with an Application, Electron. J. Math. Anal. Appl., 7(1) 2019, 82-94. ISSN: 2090-729X(o).Zbl06929511.
3. Anita Tomar, **Shivangi Upadhyay** and Ritu Sharma, Existence of Common Fixed Point in Symmetric Space with Application, Electron. J. Math. Anal. Appl., 7(1) 2019, 116-129. ISSN: 2090-729X(o). Zbl06929514.
4. Anita Tomar, Ritu Sharma and **Shivangi Upadhyay**, Some Applications of Existence of Common Fixed and Common Stationary point of a Hybrid Pair, Bull. Int. Math. Virtual Inst. 9(1)(2018), 73-84. ISSN (p) 2303- 4874, ISSN (o) 2303-4955.**MR3902277**.
5. Anita Tomar, Ritu Sharma, **Shivangi Upadhyay** and Said Beloul, Common Fixed Point Theorems in GP-metric Space and Applications, Bull. Int. Math. Virtual Inst. 8(3)(2018), 561-574. ISSN (o) 2303-4955. ISSN (p) 2303-4874.**MR3879139**.
6. Anita Tomar and **Shivangi Upadhyay**, Coincidence and Common Fixed Point Theorems for Faintly Compatible Maps, TWMS J. App. Eng. Math. 7(1), 2017, 25-32. ISSN: (p)2146–1147. **MR3661741. Zbl 06787636.WOS:000402669500003**.
7. Anita Tomar, **Shivangi Upadhyay** and Ritu Sharma, Strict Coincidence and Common Strict Fixed point of Hybrid pairs of Self-map with an Application, Math. Sci. and Appl. E-notes, 5(2) 2017, 51-59. ISSN: 2147–6268. **MR3725328.Zbl 06829919**.
8. Anita Tomar, **Shivangi Upadhyay** and Ritu Sharma, On Existence of Strict Coincidence and Common Strict fixed point of a Faintly compatible Hybrid pair of Maps, Electron. J. Math. Anal. Appl., 5(2), 2017, 298-305. ISSN: 2090-729X(o).**MR 3638774. Zbl 1375.54023**.
9. Anita Tomar, Said Beloul, Ritu Sharma and **Shivangi Upadhyay**, Common Fixed Point theorems via Generalized condition (B) in Quasi-partial Metric Space and Applications, Demonstr. Math., 50(1),2017, 278-298. ISSN (o)2391-4661. **MR3731332. Zbl 06815232.Scopus.WOS:000422726700024** .

PAPERS PRESENTED IN CONFERENCES

1. Presented a paper on “*Strict common fixed point via Strongly tangential property in metric space*” in the international conference on Recent advances in mathematics and its Applications in Interdisciplinary area organized by the Department of Mathematics, PLMS Campus, Sri Dev Suman University, Rishikesh on 13 May 2023.
2. Presented a paper entitled “*Geometry and Application in Economics of fixed point in Partial Metric space*” in the International Conference on Nonlinear Analysis and Application-2022, held during 22-23 November 2022, organized by the Department of Mathematics, Assam Don Bosco University, India in collaboration with the Department of Mathematics, Technological University of the Mixteca, Mexico and Department of Mathematics, Ramniranjan Jhunjhunwala College, Mumbai, India.
3. Presented a paper entitled “Existence of common fixed point in Quasi-partial metric space with application” in the international e-conference on Fixed point theory and its application to real world problems organized by Department of Mathematics, Govt, P.G. College Maldevta, Raipur (Dehradun), Uttarakhand, India on 27 June 2020.
4. Presented a paper entitled “Existence of Common Fixed Point of a Compatible of Type (E) Pairs of Self-Maps with Application”, in National Conference on History of Mathematical Sciences (NCHMS 2017), Department of Mathematics, S.G.R.R. (P.G.) College, Dehradun, October 05-07, 2017.
5. Presented a paper entitled “Strict Coincidence and Stationary Common Fixed Point of a Strongly Tangential Hybrid Pairs of Self-Maps”, in 19th Annual Conference of Vijnana Parishad of India on Recent Advances in Mathematics and Mathematical Sciences and their Applications (RAMMSA 2016) & Symposium on Fixed Point Theory and Applications, Pauri Campus, H.N.B.G. (Central) University, Nov. 10-12, 2016.
6. Presented a paper entitled “Coincidence and Common Fixed Point of Conditionally Reciprocally Continuous Self Maps”, in 19th International Conference of International Academy of Physical Sciences

(CONIAPS XIX) & Symposium on Fixed Point Theory and Dynamical Systems, D. S. B. Campus, Kumaun University, Nainital, Oct. 17-19, 2016.

WORKSHOP/SEMINAR ATTENDED

1. Participated in One week Faculty development Program on Recent Trends in Machine Learning for artificial intelligence organized by Department of Computer science and Engineering and IQAC Mukund Education Society's Sanmati Engineering College, Washim from 15 July 2023 to 19 July 2023.
2. Participated in a webinar on "Sustainable Water Management Conclave" - New Delhi Edition on February 3, 2023.
3. Participated in National Seminar on Vocational Education and Open & Distance Learning at Uttarakhand Open University, Haldwani, Nainital, Uttarakhand, (December 16, 2019).
4. Attended National conference on leveraging new technology for reimagining education at MIET Haldwani, Nainital, (November 22, 2019).
5. Participated in National Workshop "MMCTUM-2017", Zakir Husain Delhi College (University of Delhi), Delhi, Mar. 30-31, 2017.

CONFERENCE ORGANIZED

1. Organized the 5th Plant Science Research Meet (PSRM)- 2022: National conference on Agriculture, applied and life sciences- Current Research as a member of organizing committee at Uttarakhand Open University, Haldwani from November 18-19, 2022.
2. Organized a National conference entitled "National conference of Mathematics and its applications in sciences (NCMAS 2022)", during Dec 22-23, 2022 as a coordinator at Uttarakhand Open University, Haldwani.

CHAPTER IN A BOOK

Shivangi Upadhyay, Meenakshi Rana and Anita Tomar, Contribution of Aryabhata in Ancient Mathematics, Chapter in a book , Proceeding of the National conference of Mathematics and its Application in Science (NCMAS 2022) , Pacific books international, India, 2023, 2-16. ISBN 978-93-92469-16-9.

Arvind Bhatt and **Shivangi Upadhyay**, A survey of Fixed point Theory and its relation with integral equation, Chapter in a book , Proceeding of the National conference of Mathematics and its Application in Science (NCMAS 2022), Pacific books international, India, 2023, 54-64. ISBN 978-93-92469-16-9.

Shivangi Upadhyay, Anita Tomar, Ritu Sharma and Meena Joshi, Existence of Common fixed point via Quasi-partial metric with applications, Fixed point theory and its applications, Nova Science Publishers, USA. 2021, 185-204. ISBN 978-1-53619-336-7. *Scopus*.

Anita Tomar, **Shivangi Upadhyay** and Ritu Sharma, Common Fixed Point Theorems with an Application, Chapter in a book, Recent Advances in Fixed Point Theory and Applications, Nova Science Publishers, USA. 2017, 157-169. ISBN:978-1-53612-085-1. *Scopus*.

EDITED BOOK

Editor(s)	Title of Book	Year	Publisher	Link/ISBN
Shivangi Upadhyay	Advanced statistics	2023	Uttarakhand Open University	https://www.uou.ac.in/sites/default/files/slm/MAT-503.pdf
A.S. Uniyal, Kamlesh Bisht	Three dimensional	2023	Uttarakhand Open University	https://www.uou.ac.in/sites/default/files/slm/MT(N)-

and Shivangi Upadhyay	Geometry			120.pdf
Arvind Bhatt (Chief Editor) Shivangi Upadhyay , Jyoti Rani, Kamlesh Bisht, Pramod Joshi and Prakash Mathpal	Proceeding of the National conference of Mathematics and its Application in Science (NCMAS 2022)	2023	Pacific books international	978-93-92469-16-9

UNIT WRITING

Title of Unit	Title of Book	Year	Publisher	Link/ISBN
Tracing of Conics I	Three Dimensional Geometry	2023	Uttarakhand Open University	https://www.uou.ac.in/sites/default/files/slm/MT(N)-120.pdf
Tracing of Conics II	Three Dimensional Geometry	2023	Uttarakhand Open University	https://www.uou.ac.in/sites/default/files/slm/MT(N)-120.pdf
Polar equation of a conic	Three Dimensional Geometry	2023	Uttarakhand Open University	https://www.uou.ac.in/sites/default/files/slm/MT(N)-120.pdf
Introduction of real number system and countable set	Advanced Real analysis	2023	Uttarakhand Open University	https://www.uou.ac.in/sites/default/files/slm/MAT-502.pdf
Sequence series and properties	Advanced Real analysis	2023	Uttarakhand Open University	https://www.uou.ac.in/sites/default/files/slm/MAT-502.pdf
Limit and continuity	Advanced Real analysis	2023	Uttarakhand Open University	https://www.uou.ac.in/sites/default/files/slm/MAT-502.pdf
Derivative and Mean Value theorem	Advanced Real analysis	2023	Uttarakhand Open University	https://www.uou.ac.in/sites/default/files/slm/MAT-502.pdf
Riemann Integral	Advanced Real analysis	2023	Uttarakhand Open University	https://www.uou.ac.in/sites/default/files/slm/MAT-502.pdf
Riemann Stieltjes Integral	Advanced Real analysis	2023	Uttarakhand Open University	https://www.uou.ac.in/sites/default/files/slm/MAT-502.pdf
Improper Integral	Advanced Real analysis	2023	Uttarakhand Open University	https://www.uou.ac.in/sites/default/files/slm/MAT-502.pdf
Lebesgue Integral	Advanced Real analysis	2023	Uttarakhand Open University	https://www.uou.ac.in/sites/default/files/slm/MAT-502.pdf
Metric Spaces	Advanced Real analysis	2023	Uttarakhand Open University	https://www.uou.ac.in/sites/default/files/slm/MAT-502.pdf

Completeness	Advanced Real analysis	2023	Uttarakhand Open University	https://www.uou.ac.in/sites/default/files/slm/MAT-502.pdf
Continuous function and compactness	Advanced Real analysis	2023	Uttarakhand Open University	https://www.uou.ac.in/sites/default/files/slm/MAT-502.pdf
Fixed Point theorems	Advanced Real analysis	2023	Uttarakhand Open University	https://www.uou.ac.in/sites/default/files/slm/MAT-502.pdf