

# CURRICULUM VITAE

**DR.MAHESHWARI P.G.**

**M.Sc.,M.P.hil.,Ph.D.**

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## **EDUCATIONAL QUALIFICATION:**

Degree	Subject & Specialization	University & Year
M.Sc.	Mathematics, Number Theory	University of Mysore, 2005
M.Phil.	Mathematics, Partition Theory	University of Mysore, 2006
Ph.D.	Mathematics, Functional Analysis	University of Mysore, 2016

## **AREAS OF INTEREST:**

### **Research:**

- ✚ Functional Analysis
- ✚ Number Theory
- ✚ Mathematical Modelling

## **TEACHING EXPERIENCE: 13 YEARS**

Position Held	Name of the Institute	Name of the University	Period (from -to)
HoD and Assistant Professor	Government First Grade College, Vijayanagara, Bengaluru	Bangalore University	29-12-2007 to till date

## RESEARCH EXPERIENCE: 11 YEARS

### RESEARCH PAPERS PUBLISHED

Sl. No	Title of the Paper and weblink for online publications	Title of the Journal	Int./National / Peer reviewed	Volume/ Issue/ year
1.	Fixed point theorems for compatible and non compatible self maps <a href="http://www.iaps.org.in/journal/index.php/journaliaps/article/view/270">http://www.iaps.org.in/journal/index.php/journaliaps/article/view/270</a>	Journal of International Academy of Physical Sciences	Peer reviewed International	Vol.16, No.1, 2012, pp 13-26.
2.	Fixed point theorems in cone metric spaces by using common limit range property <a href="https://drive.google.com/file/d/19LljfgnGxsks4yzY9ztecNegCUidYdBp/view">https://drive.google.com/file/d/19LljfgnGxsks4yzY9ztecNegCUidYdBp/view</a>	Mathematical Sciences International Research Journal	International	Vol.3, Issue 1, 2014, pp 275-278.
3.	Fixed point theorems for reciprocally continuous mappings	Bulletin of Calcutta Mathematical Society	National	Vol.106, No.1, 2014, pp 19-30
4.	Fixed point theorems on f-reciprocal continuity <a href="https://ijmr.net.in/current/gwyjF63usASIZKM.pdf">https://ijmr.net.in/current/gwyjF63usASIZKM.pdf</a>	Aryabhatta Journal of Mathematics and Informatics	Peer reviewed International	Vol.6, No.1, 2014, pp 109-114.
5.	Some common fixed point theorems on G-metric space <a href="https://www.emis.de/journals/GMN/yahoo_site_admin/assets/docs/10_GMN-5182-V21N2.16903311.pdf">https://www.emis.de/journals/GMN/yahoo_site_admin/assets/docs/10_GMN-5182-V21N2.16903311.pdf</a>	General Mathematics Notes( indexed in EBSCO, AMS Digital, ProQuest, etc)	Peer reviewed Int.	Vol.21, No.2, 2014, 114-124
6.	Integral type of contractions under f-weak reciprocal continuity <a href="https://www.ijesit.com/archive/description.php?id=19">https://www.ijesit.com/archive/description.php?id=19</a>	Int. journal of Engineering science and Innovative Technology	Peer reviewed International	Vol.3, No.6, 2014, 92-100.
7.	Fixed point theorems on g-reciprocal continuity via absorbing maps <a href="https://www.ripublication.com/Volume/gjpamv10n4.htm">https://www.ripublication.com/Volume/gjpamv10n4.htm</a>	Global journal of pure and applied Mathematics ( <b>indexed in SCOPUS.</b> )	Peer reviewed International	Vol.10, No.4, 2014, 495-503

8.	Existence of fixed points under f-reciprocal continuity	Proceedings of national conference on RTPME, Mysore.	National	pp.264-268, 2015
9.	Common fixed point theorems for four self maps under $\varphi$ – contractive condition.	Proceedings of national conference on RTPME, Mysore.	National	pp.261-263, 2015.
10.	Fixed points on hybrid contractive conditions in partially ordered metric space <a href="http://www.yokohamapublishers.jp/online2/jncav17-6.html">http://www.yokohamapublishers.jp/online2/jncav17-6.html</a>	Journal of Nonlinear and Convex Analysis	Peer reviewed International	Vol.17. No.6, 2016, pp.1137-1149
11.	Coincidence and common fixed point of F-Contractions via CLR <sub>ST</sub> Property <a href="https://www.utgjiu.ro/math/sma/v11/a11_03.pdf">https://www.utgjiu.ro/math/sma/v11/a11_03.pdf</a>	Survey in Mathematics and Applications (indexed in MathSciNet, EBSCO, Zentralblatt, AMS...)	Peer reviewed International	Vol. 11 21-31, 2016
12.	On Coincidence And Common Fixed Point Of Six Maps Satisfying F-Contractions <a href="http://jaem.isikun.edu.tr/web/index.php/archive/92-vol6no2/252-on-coincidence-and-common-fixed-point-of-six-maps-satisfying-f-contractions">http://jaem.isikun.edu.tr/web/index.php/archive/92-vol6no2/252-on-coincidence-and-common-fixed-point-of-six-maps-satisfying-f-contractions</a>	Turkic World Mathematical Society - Journal of Applied and Engineering Mathematics(indexed in Zentralblatt, ProQuest, EBSCO, MathSciNet, AMS...)	Peer reviewed International	Vol 6 No.2 Pp 224-231 2016
13.	Expansive mappings in Cone metric space	REACH	ISBN: 978-81-930080-9-6	Vol 2, 2015, 118-122.
14.	Fixed point theorems under F-Contraction in ultra metric space	Advances in Fixed Point Theory. (indexed in Zentralblatt, ProQuest, CNKI, AMS...)	Peer reviewed International	Vol.7 No.1 Pp 144-154 2017
15.	Patenting Mathematical Methods- A Review	Dynamics of Intellectual Property Rights	National	978-81-940537-1-2, 2019
16.	Fixed point results with $(\psi, \varphi) - (\alpha, \beta, \gamma)$ weak contractive mappings <a href="https://www.jetir.org/view?paper=JETIR2003405">https://www.jetir.org/view?paper=JETIR2003405</a>	Journal of Emerging Technologies and Innovative Research	Peer reviewed International	Vol.7(3), March 2020, 2349-5162
17.	Applications of multiplicative W-distance to multiplicative differential equations <a href="http://s3-ap-southeast-1.amazonaws.com/ijmer/pdf/volume10/volume10-issue3(5)/28.pdf">http://s3-ap-southeast-1.amazonaws.com/ijmer/pdf/volume10/volume10-issue3(5)/28.pdf</a>	International journal of Multidisciplinary Educational Research	Peer reviewed International	Vol.10, 3(5), March 2021, 2277-7881

## PAPERS PRESENTED

Sl. No.	Title of the paper	Name of the Conference	Organising Institute	Level	Date
1.	Common fixed point for four self maps in a cone metric space under expansive type mappings	History and Development of Mathematical Sciences	M.D. University, Rohtak, Haryana	International conference	Nov 21-24, 2012
2.	Fixed point theorems in cone metric spaces by using common limit range property	Mathematics and Engineering Sciences	Chitkara University, Himachal Pradesh	International conference	March 20-22, 2014
3.	Existence of fixed points on weak contractive mappings with functional parameters	Advances in Mathematical Sciences and Applications	Adichunchanagiri Institute of Technology, Chikkamagaluru	International conference	Dec. 22 & 23, 2014
4.	Existence of fixed points under f-reciprocal continuity	Recent Trends in Physics, Mathematics & Engineering Sciences	Sarada Vilas College, Mysore	National conference	Feb 20 & 21, 2015
5.	Weak Contractive Mappings with Functional Parameters	Recent Advances in Mathematical Sciences-2017	Government Science College, Bangalore	National conference	Feb 9 & 10, 2017
6.	Patenting Mathematical Methods	Dynamics of Intellectual Property Rights	Government First Grade College, Vijayanagara, Bangalore	National Seminar	March 13, 2019

## SEMINARS/WORKSHOP/CONFERENCES ORGANIZED:

Sl. No.	OS/ Convener/ Coordinator	Title	Level	Sponsorship/ Organised by	Date
1.	Coordinator	Autonomy-Process and Challenges	State workshop	IQAC, GFGC, Vijayanagara	07-02-2017
2.	Convener	Dynamics of Intellectual Property Rights	National seminar	IQAC, GFGC, Vijayanagara & VTPC, GoK	13-03-2019

3.	Convener	Academic and Administrative Audit	National seminar	IQAC, GFGC, Vijayanagara & NAAC	18-09-2019
4.	Panelist	Outcome Based Education	National webinar series	IQAC, GFGCVB & InPods, Bengaluru	29-4-2020, 01 and 05-05-2020
5.	Organising Secretary	Fluid Dynamics and its Applications'	International webinar	Department of Mathematics & IQAC, GFGCVB	28 <sup>th</sup> and 29 <sup>th</sup> May 2020
6.	Convener	Role of Women in Building civilized Society	National webinar	Women Empowerment & IQAC, GFGCVB	21-10-2020
7.	Convener	Entrepreneurship as a career option & funding ecosystem	National webinar	Placement cell & IQAC, GFGCVB	29-10-2020
8.	Convener	Educational Analytics through parameters	National webinar	IQAC, GFGCVB	02-02-2021
9.	Organising Secretary	Computational Mathematics	International Webinar	Departments of Mathematics and Computer Science	10 <sup>th</sup> and 11 <sup>th</sup> February 2021
10.	Convener	Dr. Ambedkar's Methodology of Enquiry	International Webinar	Research & Consultation Committee and IQAC, GFGCVB	19-03-2021
11.	Convener	Innovative Teaching & Research in Science: Exploring the New Horizons	Five days Virtual FDP	Science Forum & IQAC, GFGCVB	10 <sup>th</sup> to 15 <sup>th</sup> June 2021

### E-CONTENT DEVELOPED:

SL No.	Title/Module of the e-content	Name of the YouTube / channel	Date of launching and link
1.	Differential Equations-Orthogonal Trajectory	Jnana Nidhi-DCE	19-03-2020 <a href="https://youtu.be/_5x8Q1qw_ml">https://youtu.be/_5x8Q1qw_ml</a>

2.	I Sem B.Sc. – BU, BCU, BNU (Moderator)	Karnataka LMS-DCTE	30-11-2020 <a href="http://karnataka.centralindia.cloudapp.azure.com/">http://karnataka.centralindia.cloudapp.azure.com/</a>
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**MEMBER OF BOARD OF STUDIES/ BOARD OF EXAMINERS:**

Sl. No.	Position held [Member/Chairman of BoS/BoE]	Name of the University/ Autonomous College	Period [from-to]
1.	Member of BoS (UG)	Bangalore University	2020-2023
2.	Paper Setter-Mathematics III	Bangalore University	2020-21
3.	Paper Setter-Mathematics III	NMKRV College for Women, Bangalore (Autonomous)	2018-19
3.	Paper Setter-Mathematics VII	NMKRV College for Women, Bangalore (Autonomous)	2019-20

**MEMBERSHIP OF PROFESSIONAL BODIES:**

Sl. No.	Name of the Society	Year of Membership	Membership details
1.	Indian Science Congress Association	2015	Life Member [L28363]
2.	Indian Society for History of Mathematics	2011	Life Member
3.	Bangalore University Mathematics Forum	2010	Life Member
4.	Karnataka Government College Teachers Association	2008	Life Member

I affirm that the information given above is true and correct to the best of my knowledge.

Date :05-10-2021

Place : Bangalore

signed by/-  
(Dr.Maheshwari P.G.)