# **CURRICULUM – VITAE**

(Parvateesam Murthy Penumarthy, ORCID iD: https://orcid.org/0000-0003-3745-4607)

1	Name Address	:	<b>P. P. Murthy</b> (Full Name: Penumarthy Parvateesam Murthy) Department of Pure and Applied Mathematics, Guru Ghasidas Vishwavidyalaya( A Central University), Bilaspur( Chhattisgarh), 495 009, INDIA
3	Designation	:	Professor
4	Address for communication	:	Department of Mathematics, Guru Ghasidas University(A Central Univesity), Bilaspur, C.G., INDIA Phone NO. 00917752260144(O), +917752-291 024( Residence), +919424168937(Mobile) Emails: ppmurthy@gmail.com URL: https://sites.google.com/site/ppmurthy1965/ URL(university): www.ggu.ac.in
5	Permanent Address	:	SNR, E-BLOCK, 302, LB Nagar, Hyderabad( Andhra Pradesh), 500 070, INDIA,
6	Nationality	:	Indian
7	Date of Birth	:	Sept. 14, 1965

# 8. EDUCATIONAL QUALIFICATION (GRADUATION ONWARDS): M. Sc., Ph. D.

# 9. APPOINTMENTS HELD:

Position held	Name and Address	Dates of Employment	Full Time/ part-time	
	of the Employer	From To		
Professor	Guru Ghasidas Vishwavidyalaya ( A Central University )	September 23, 2022 – till date	e Full -Time ( <b>Permanent</b> )	
Associate Professor	Bilaspur (C.G.) Guru Ghasidas Vishwavidyalaya ( <i>A Central University</i> ) Bilaspur (C.G.)	Sept. 17, 07 – September 22, 2022	Full -Time ( <b>Permanent</b> )	
Lecturer(Sr. Scale)	Govt.of Pondicherry, Edu.	Dec.31, 97 - Sept. 16,07	Full –Time( <b>Regular UPSC, New</b> <b>Delhi Selected</b> )	
Lecturer	Govt. of M.P., School Education Department	Dec.24, 88 Dec.26, 97	Full –Time( <b>Regular</b> )	

# 10. (a) TEACHING EXPERIENCE (IN YEARS) : More than 33 years (b) RESEARCH EXPERIENCE (IN YEARS): 30 +

(c) Ph.D. Students : 07
 Awarded(i) Rashmi, and (ii) Uma Devi Patel), (iii) Jyotsana
 Majumda(submitted)
 Registered (i) C. P. Dhuri, (ii) Puspalata Sahu, (iii) Dolly Dewangan

## (d) TRAINING COURSE ATTENDED:

- (i) *Wavelets and Applications*, 21 day program, M. P. Bhoj Univ. Bhopal, M.P., 1997.
- (ii) **Principal's Training Program**, One month program, Govt. of M.P., 1997.
- (iii) *Orientation Course* for College Teachers/University Teachers, U.G.C. A.S.C., Rani Durgavati University, Jabalpur, M.P., 28 days Jan Feb., 2002.
- (iv) Introduction to Network Science, Indian Institute of Science, Bangalore, Aug 29 Sept 02, 2011.
- (v) *Entrepreneurship Educator Orientation Programme*, Entrepreneurship Development Institute of India, Ahmedabad, March 07-11, 2022.

# **11. PUBLICATIONS :** 67 (Published) + 03 (Communicated)

Credentials: i-index: 16, H-index: 13, total citations: 907

(Google Scholar: <u>https://scholar.google.com/citations?user=2A9EM0gAAAAJ&hl=en</u>), Research Gate : H-index - 10

# 12. CONFERENCES/SEMINARS ATTENDED/ PAPERS PRESENTED: 55 (List enclosed).

## **13. ABROAD VISITS:**

- **i. ITALY:** Department of Mathematics, University of Catania, Catania, Sicily, Italy, August 2000.
- ii. ETHIOPIA: Department of Mathematics, Addis Ababa University, Ethiopia, 2002

#### iii. THAILAND:

- a. Department of Mathematics, Chaingmai University, Chaingmai, Thaingland, August 2007.
- b. Division of Mathematics and Statistics, Faculty of Science and Technology, Thammasat University (Rangsit Campus), 99/2 moo18 KlongNueng, KlongLuang, PhatumThani, 12120, Thailand, December 25 - 30, 2018

#### iv. TURKEY:

- a. Department of Mathematics and Computer Science, Cankaya University, Cankaya, Ankara(June 30 July 5, 2009).
- b. Department of Mathematics Hacetteepe University, Baytape Campus, Ankara (July 6-11, 2010).
- v. SOUTH KOREA (July 26, 2010 August 01, 2010):

- a. Department of Mathematics, Kyungnam University, Masan, 631-701
- b. Department of Mathematics, Gyeongsang National University, Chinju, 660-701

## vi. France:

Laboratoire de Mathématiques de Besançon, Université de Franche-Comté – UFC Besancon and Metabief (October 20- 31, 2014).

vii. USA:

American Mathematical Society Sectional Meeting at Department of Mathematics, University of Central Florida, Orlando, FL, September 23-24, 2017.

# 14. ACADEMIC & PROFESSIONAL EXPERIENCE:

#### Held various positions in the university administration like :

- (i) **Director**(incharge) Academic Staff College for a period of two and half years(2009-12);
- (ii) Head of the Department of Mathematics (Jan 31, 2017 to March 22, 2021);
- (iii) Members of the **Board of Studies (BOS) of Mathematics Department** from 2008- March 2022;
- (iv) **Departmental Research Committee(DRC)** Member 2009-2022(March) and Chairman from Jan 31, 2017 to March 22, 2021;
- (v) Academic Council(AC) Member since October 30, 2015 March 2022;
- (vi) Nodal Officer Incubation Center, GGV from Sept 2021-Sept 2022.

## **Reviewer/Referee of various National and International Journals:**

- (i) Reviewer of American Mathematical Society(USA).
- (ii) Facta Universitatis, Series: Mathematics and Informatics(Seerbia).
- (iii) Fixed Point Theory and Applications(Springer).
- (iv) Le Matematiche.
- (v) Journal of Mathematical Analysis and Applications.
- (vi) Journal of Mathematical.
- (vii) Bulletin of Calcutta Mathematical Society.
- (viii) Asian-European Journal of Mathematics(AEJM).
- (ix) Journal of Inequalities and Applications(Springer).
- (x) Fasciculi Mathematici(Scupous).
- (xi) Numerical Functional Analysis and Optimization(Taylor and Francis).

# **15. MEMBERSHIP OF PROFESSIONAL, SCIENTIFIC BODIES:**

- (i) Life Member of Indian Mathematical Society(**IMS**), India.
- (ii) Life Member of Allahabad Mathematical Society, Allahabad, U.P. India.
- (iii) Referee / Reviewer of National and International Mathematical Journals (Applied Mathematics Letters, International J. of Mathematics and Mathematical Science, J. of Mathematical Analysis and Applications, Indian J. of Mathematics, International J. of Applied Mathematics and Statistics, Applied Mathematics Letters, Advances in Differential Equations, J. of Compu. Math. and Appl., Journal of Inequalities and Applications, etc).
- (iv) Editorial Member, of The Mathematical Society of Banaras Hindu University, Varanasi, U.P. (1998 - 2000).
- (v) Editorial Board Member of American Journal of Mathematical Analysis webpage: http://www.sciepub.com/journal/AJMA/editors

- (vi) **Editorial Board Member**(2017-2019), The Military Technical Courier / Vojnotehnički Glasnik (Issn 0042-8469, E-Issn 2217-4753, Udc 623+355/359), Ministry of Defense, Govt. of Serbia.
- (vii) Editorial Board Member (2021-22): Journal of Mathematics and computational Intelligence

# **16. AWARDS/FELLOWSHIPS/GRANTS:**

(i) Travel Grants awarded by Department of Science and Technology, Govt. of India, New Delhi under young scientist to visit ITALY to deliver a lecture in WCNA, Conference.

(ii) University Grants Commission, New Delhi awarded 50% of the travel grant to visit ITALY, to deliver a lecture in WCNA-2000, International Conference.

(iii) Department of Science, Technology and Environment, Govt. of Pondicherry, Pondicherry.

(iv) COSTED, Madras for Rs. 15, 000.00 to attend WCNA – 2000.

(v) Postdoctoral Fellowship awarded by Allahabad Mathematical Society, Allahabad, India to work at Banaras Hindu University, Varanasi, UP, India.

#### **17. LANGUAGE KNOWN:** English, Hindi and Telugu.

I do hereby declare that the details furnished by me are true to the best of my knowledge and belief.

# P. P. Murthy

# https://scholar.google.com/citations?hl=en&user=2A9EM0gAAAAJ

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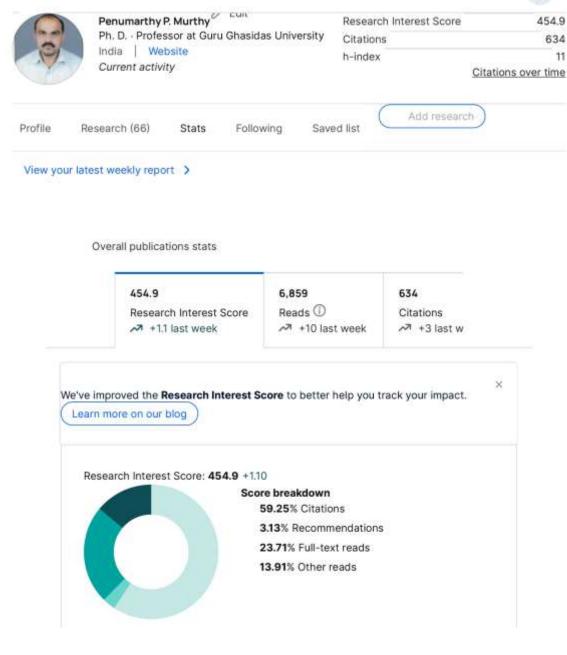
Murthy Department of Mathematics, Guru Ghasidas Vishwavidyalaya, Bilaspur, India Metric Fixed Point Theory and Application	Citations h-index i10-index	907 13 16	205 8 6
TITLE		CITED BY	YEAR
Compatible mappings of type (A) and common fixed points P.P.Murthy, Y.J.Cho, G.Jungck Math. Japon. 38 (2), 381-390		373	1993
Important tools and possible applications of metric fixed point to PP Murthy Nonlinear Analysis: Theory, Methods & Applications 47 (5), 3479-3490	neory	84	2001
Compatible mappings of type (A) and common fixed points in N YJ Cho, PP Murthy, M Stojakovic Communications of the Korean Mathematical Society 7 (2), 325-339	Nenger spaces	42	1992
Compatible mappings of type (A) and common fixed point theo PP Murthy, SS Chang, YJ Cho, BK Sharma Kyungpook Mathematical Journal 32 (2), 203-216	rems	42	1992
Common fixed points for expansive mappings in cone metric sp Z Kadelburg, PP Murthy, S Radenovic Int. J. Math. Anal 5 (27), 1309-1319	baces	41	2011
Related fixed point theorems for two pairs of mappings on two B Fisher, PP Murthy Kyungpook Mathematical Journal 37 (2), 343-343	metric spaces	40	1997
A common fixed point theorem of Meir and Keeler type YJ Cho, PP Murthy, G Jungck International Journal of Mathematics and Mathematical Sciences 16 (4), 669	9-674	38	1993
Common fixed points of self maps satisfying an integral type co condition in fuzzy metric spaces PP Murthy, S Kumar, K Tas Mathematical Communications 15 (2), 521-537	ontractive	27	2010
Weak Contraction Condition Involving Cubic Terms of under the Consideration PP Murthy, K Vara Prasad Journal of Mathematics 2013	e Fixed Point	22	2013
Common fixed point theorems for generalized ( $\phi$ , $\psi$ ) ( $\phi,\psi$ ) -v condition in complete metric spaces PP Murthy, K Tas, UD Patel Journal of inequalities and Applications 2015 (1), 1-14	veak contraction	n 16	2015
An extension of Telci, Tas and Fisher's theorem SN Lal, PP Murthy, YJ Cho		16	1996

Penumarthy Parvateesam Murthy - Google Scholar

TITLE	CITED BY	YEAR
Journal of the Korean Mathematical Society 33 (4), 891-908		
n-tupled fixed point theorems for weak-contraction in partially ordered complete	e 14	2015
G-metric spaces		
PP Murthy, LN Mishra, UD Patel		
New trends in mathematical sciences 3 (4), 50		
Common xed points of Gregu s type mappings	14	1995
PP Murthy, YJ Cho, B Fisher		
Glas. Math 30, 335-341		
Coupled fixed point theorems in partially ordered multiplicative metric space	11	2016
and its applications		
L Shanjit, Y Rohen, TC Singh, PP Murthy		
Int. J. Pure Appl. Math 108, 1314-3395		
New Common Fixed Point Theorems of Greus Type for R-Weakly Commuting	11	2009
Mappings in 2-Metric Spaces		
PP Murthy, TAS Kenan		
Hacettepe Journal of Mathematics and Statistics 38 (3), 285-291		
A theorem of Meir-Keeler type revisited	10	2000
YJ Cho, PP Murthy, G Jungck		
International Journal of Mathematics and Mathematical Sciences 23 (7), 507-511		

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# **Research Gate Score**



# LIST OF PUBLICATIONS

(Google Citation:https://scholar.google.co.in/citations?user=2A9EM0gAAAAJ&hl=en)

# 2023

01. P. P. Murthy, Diana Dolic Anin- Dekic, Uma Devi Patel And Pusplata Sahu, Best Proximity Point For Generalized Proximal Contraction In A Complete Metric Space'' Filomat, 37(16)(2023),5181 – 5193, (Impact Factor: 0.988) SCIE Journal (ISSN: 2406-0933), Date of Publication: March 15, 2023), https://doi.org/10.2298/FIL2316181M.

- **02.** Penumarthy Parvateesam Murthy, Pusplata Sahu, Amr Elsonbaty, Khizar Hyatt Khan, Rajagopalan Ramaswamy, Stojan Radenovi'c, Fixed Points for (ξ, ω)-Weakly Cyclic Type Generalized Contraction Condition in Metric Spaces with an Application, *Mathematics* 2023, *11*(1), 166; https://doi.org/10.3390/math11010166 (**Impact Fact :** 2.592), SCIE Journal(ISSN: 2227-7390), (Date of Publication 28 Dec 2022),
- 03. Penumarthy Parvateesam Murthy, Sanjay Kumar, Rajesh Kumar, Pusplata Sahu, Zoran D. Mitrović, and Reny George, New Results for Weakly Compatible (WC) and R-Weakly Commuting (RWC) Mappings with an Application in Dynamic Programming, Fractal and Fractional Vol. 6(12) 733, (2022), Fractal Fract. <a href="https://doi.org/10.3390/fractalfract6120733">https://doi.org/10.3390/fractalfract6120733</a> (Impact Factor: 3.577) SCIE Journal( ISSN: 2504-3110) (Date of Publ. December 10, 2022).
- 04. (Penumarthy Parvateesam Murthy ,Chandra Prakash Dhuri, Santosh Kumar, Rajagopalan Ramaswamy, Muhannad Abdullah Saud Alaskar and Stojan Radenovic), Common Fixed Point for Meir–Keeler Type Contraction in Bipolar Metric Space, Fractal Fract. Vol. 6, (2022) 649. <u>https://doi.org/10.3390/fractalfract6110649</u>, (Impact Factor: 3.577) SCIE Journal (ISSN: 2504-3110) (Date of Publ.Nov 04, 2022).
- 05. Rajakumar, K.V.B., Murthy, P.P., Govinda Rao, T., Ranganath, N., Significance of Casson dissipative fluid and spanwise cosinusoidally fluctuating temperature on unsteady MHD free convective flow past a hot vertical permeable plate with radiation absorption and chemical reaction, Heat Transfer, 51(1)(2022), 7725 7752(Published: 31 July 2022 <a href="https://doi.org/10.1002/htj.22663">https://doi.org/10.1002/htj.22663</a>), SCOPUS (Elsevier), Web of Science (Clarivate Analytics).
- 06. (P. P. Murthy, K.N.V.V. Prasad and Jyotsana Majumdar), Common fixed point theorems for occasionally weakly compatible maps satisfying property (e. a) using an inequality involving quadratic terms in manger space for six maps, Journal of Mathematical and Computational Science (2022), 12:110, <u>https://doi.org/10.28919/jmcs/6828</u> (ISSN: 1927-5307.)
- O7. (Penumarthy Parvateesam Murthy, Zoran D. Mitrovic', Chandra Prakash Dhuri and Stojan Radenovic) The Common Fixed Points In A Bipolar Metric Space, Gulf Journal of Mathematics, Vol 12, Issue 2 (2022) 31-38 (ISSN: 2309-4966) <u>https://doi.org/10.56947/gjom.v12i2.741</u> (UGC- Listed Journal).

 (Taieb Hamaizia and P.P.Murthy), Z-contraction condition involving simulation function in b-metric space under fixed points considerations, Mathematica Moravica, Vol. 25, No. 2 (2021), 43–52(doi: 10.5937/MatMor2102043H).

# 2020

09. (P. P. Murthy, K.N.V.V. Prasad and Jyotsana Majumdar), *Implicit functions under fixed point consideration in Probabilistic Menger spaces*, Fasciculi Mathematici, Vol. 63(2020), 45-61(SCOPUS Indexed).

# 2018

10. (W. Sintunavarat, Hemant Kumar Nashine, Ravi P. Agarwal and Penumarthy Parvateesam Murthy), Solution of Systems of Urysohn Integral Uations Arising From The Execution of Fixed Point Method In Complex Valued Metric Spaces, Journal of Mathematical Analysis, URL: www.ilirias.com/jma Volume 9 Issue 3 (2018), Pages 123-140(ISSN: 2217-3412).

## 2017

- (P. P. Murthy and Rashmi), A Coupled Coincidence Point Theorem in Multiplicative Metric Spaces, ISBN: 978-153612104-9;978-153612085-1(Document Type: Book Chapter) Publisher: Nova Science Publishers, Inc. (Recent Advances in Fixed Point Theory and Applications, 1 January 2017, Pages 171-176)
- (P. P. Murthy, Brian Fisher and Rashmi), *Periodic Points of Rational Inequality in a Complex Valued Metric Space*, Filomat 31(7)(2017), 2143–2150, (Published by Faculty of Sciences and Mathematics, University of Nis, Serbia × Available at: http://www.pmf.ni.ac.rs/filomat), (Impact Factor: 0.844) SCI Journal(ISSN: 2406-0933).
- 13. (Taieb Hamaizia and P. P. Murthy), *Common Fixed Point Theorems in Relatively Intuitionistic Fuzzy Metric Spaces*, Gazi University Journal of Science (GU J Sci) Vol. 30(1)(2017), 355-362(e-ISSN 2147-1762).
- (P. P. Murthy and Uma Devi Patel), Some common fixed point results for c- class contraction in saks spaces, Advances in Fixed Point Theory, 7(1)(2017), 118-143( ISSN: 1927-6303)(Available online at <u>http://scik.org</u>).

- 15. (P. P. Murthy, K. Tas, Rashmi and Lakshmi Narayan Mishra), *Sub-Compatible Maps, Weakly Commuting Maps and Common Fixed Points in Cone Metric Spaces*, Novi Pozar(Serbia, Belgrade). Scientific Publications of the State university of Novi Pazar, SER. A: Appl. Math. Inform. and Mech. vol. 8, 2 (2016), 139-148.
- 16. (Laishram Shanjit, Yumnam Rohen and P. P. Murthy), Some Fixed point theorems of R-weakly commuting mappings in multiplicative metric space, Gazi University Journal of Science(GU J Sci), 29(4)(2016), 855-867(e-ISSN 2147-1762)... web link : http://gujs.gazi.edu.tr/issue/view/5000018162
- (Laishram Shanjit, Yumnam Rohen, Thokchom Chhatrajit Singh and P.P. Murthy), *Coupled Fixed Point Theorems in Partially Ordered Multiplicative Metric Space and its Applications*, International Journal of Pure and Applied Mathematics, Volume 108 No. 1 2016, 49-62, ISSN:

1311-8080 (printed version); ISSN: 1314-3395 (on-line version), url: http://www.ijpam.eu, doi: 10.12732/ijpam.v108i1.7

- 18. (P. P. Murthy, L. N. Mishra and Uma Devi Patel), Common Fixed Point Theorems for Generalized Quadratic (Ψ1, Ψ2, φ)-Weak Contraction in Complete Metric Spaces, Appl. Math. Inf. Sci. Lett.(http://dx.doi.org/10.18576/amisl/AMISL-3-2-2016).
- (Yumnam Rohen and P.P. Murthy), Some Remarks on Related Fixed Point Theorems, International Journal of Pure and Applied Mathematics, Volume 109 No. 2 2016, 257-278, ISSN: 1311-8080 (printed version); ISSN:1314-3395 (on-line version), url: http://www.ijpam.eu, doi: 10.12732/ijpam.v109i2.8
- (P. P. Murthy, Rashmi and Vishnu Narayan Mishra), *Tripled Coincidence Point Theorem for Compatible maps in Fuzzy Metric Spaces*, Electronic Journal of Mathematical Analysis and Applications, Vol. 4(2) July 2016, pp. 96-106.,ISSN: 2090-729(online), http://fcagegypt.com/Journals/EJMAA
- (P. P. Murthy and Uma Devi Patel), *n-Tupled Coincidence Point Theorems for Probablistic y-Contractions in Menger Spaces*, International Journal of Computational Mathematics, (ISSN: 2356-797X (Print); 2314-856X (Online), http://www.hindawi.com/journals/ijcm/). Volume 2016 (2016), Article ID 7109190, 14 pages <u>http://dx.doi.org/10.1155/2016/7109190</u>

- 22. (P. P. Murthy and Uma Devi Patel), Common Fixed Point Theorems of Greguš Type -Weak Contraction for -Weakly Commuting Mappings in 2-Metric Spaces," Journal of Operators, vol. 2015, Article ID 195731, 9 pages, 2015. doi:10.1155/2015/195731.(ISSN: 2314-5064 (Print); 2314-5072 (Online), http://www.hindawi.com/journals/joper/)
- 23. (P. P. Murthy, Lakshmi Narayan Mishra and Uma Devi Patel), *n-tupled fixed point theorems for Weak-contraction in partially ordered complete G-metric spaces*, New Trends in Mathematical Sciences(NTMSCI)3(4)(2015). 50 75.(ISSN : 2147-5520).
- 24. (P. P. Murthy and Rashmi), *Best Proximity Points in Non Archimedean Fuzzy Metric Spaces*, FACTA UNIVERSITATIS (NIS), Ser. Math. Inform. Vol. 30, No 4 (2015), 479–488, (ISSN 0352-9665 Print). http://casopisi.junis.ni.ac.rs/index.php/FUMathInf.
- 25. (P. P. Murthy and Uma Devi Patel), *Fixed points of (Ψ1, Ψ2, φ)-Weakly contraction in partial ordered metric spaces*, FACTA UNIVERSITATIS (NIS), Ser. Math. Inform. Vol. 30, No 4 (2015), 445–464.[ISSN 0352-9665 Print) http://casopisi.junis.ni.ac.rs/index.php/FUMathInf.
- 26. (P. P. Murthy, Kenan Tas and Uma Devi Patel), Common Fixed Point Theorems for Generalized (φ, Ψ)-weak contraction maps in Complete Metric Spaces, Journal of Inequality and Applications(a Springer Open Journal ) (2015: 139), 1 14, DOI 10.1186/s13660-015-0647-y, Impact Factor: 0.77, http://www.journalofinequalitiesandapplications.com, (SCI Journal). (ISSN: 1029-242X (electronic version)).
- 27. (P. P. Murthy and Rashmi), *n-Tupled Fixed Points Theorem in Fuzzy Metric Spaces with Application*, Advances in Fuzzy Systems, Volume (Hindawi Publishing Corporation )(2015),

Article ID 285149, 12 pages, http://dx.doi.org/10.1155/2015/285149. (ISSN: 1687-7101. EISSN: 1687-711X)( Web of Science & Scoups).

# 2014

- 28. (P. P. Murthy, T. Som and E.A. Karapina), *Fixed point principle for a pair of non-commutative operators*, Advances in Fixed Point Theory, Vol. 4(4)(2014), 525-531. (ISSN: 1927-6303(<u>http://www.afmi.or.kr/</u>).
- 29. (P. P. Murthy, M. R. Singh & L. S. Singh), Weakly biased maps as a generalization of occasionally weakly compatible maps, International Journal of Pure and Applied Mathematics, Academic Publications, Ltd., (<u>http://www.acadpubl.eu</u>), ISSN 1314-3395 (On-Line Version) ISSN 1311-8080 (Printed Version) Volume 91 No. 2( 2014), 143-153.

# 2013

- 30. (P. P. Murthy, K.N.V.V.Vara Prasasd and Rashmi), *Fixed Points of Nonlinear Contraction*, Advances in Fixed Point Theory, Vol 3(4)(2013), 600 - 607, JSSN: 1927-6303(<u>http://www.afmi.or.kr/</u>).
- (P. P. Murthy and Rashmi), A Common Fixed Point Theorem of Presic Type for Three Maps in Fuzzy Metric Space, Annual Review of Chaos Theory, Bifurcations and Dynamical Systems, Vol. 4(2013). 30 - 36, <u>www.arctbds.com</u>. (ISSN: 2253-0371).
- 32. (Penumurthy Parvateesam Murthy and K. N. V. V. Vara Prasad), Weak Contraction Condition Involving Cubic Terms of d(x, y)under the Fixed Point Consideration, Hindawi Publishing Corporation, Journal of Mathematics, Volume 2013, Article ID 967045, 5 pages, <u>http://dx.doi.org/10.1155/2013/967045</u>. (ISSN: 2314-4629) (SCI, Imapct Factor: 1.55).
- **33.** (M. Imdad, M. Hasan, H. K. Nashine and P. P. Murthy), *Employing an implicit function to prove unified common fixed point theorems for expansive type mappings in symmetric spaces*, Journal Nonlinear Analysis and Application (2013), 1-13 (ISSN 2193-3472), doi:10.5899/2013/jnaa-00132.
- 34. (Penumarthy Parvateesam Murthy, Urmila Mishra, Rashmi, Calogero Vetro), *Generalized (φ, ψ)-weak contractions involving (f; g)-reciprocally continuous maps in fuzzy metric spaces*, Annals of Fuzzy Mathematics and Informatics, Vol 5(1)(2013), 45 57.(ISSN 2093 9310). http://www.afmi.or.kr/

- **35.** (P. P. Murthy and Rashmi ), *Tripled Common Fixed Point Theorems for w-Compatible Mappings in Ordered Cone Metric Spaces*, Advances in Fixed Point Theory, Vol. 2(2)(2012), 157-175. (ISSN: 1927-6303). <u>http://scik.org/index.php/afpt</u>
- 36. (P. P. Murthy, S. Kumar, M. S.Khan, K. Tas and Rashmi), Common fixed points for integral type contractive condition in a menger space, International Journal of Mathematics and Scientific Computing, Vol. 2(1)( 2012), 22-28. (ISSN No: 2231-5330). <u>http://www.veltech.org/ijmsc/</u>
- 37. (P. P. Murthy, K. Tas and B. S. Choudhary), *Weak Contraction Mappings in Saks Spaces*, Fasciculi Mathematici, Nr. 48(2012), 83 95( ISSN 0044-4413, Poland).

# 2011

- **38.** (Z. Kadelburg, P. P. Murthy and S. Radenovic), *Common fixed points for expansive mappings in cone metric spaces*, Int. J. of Math. Analysis, 5(27)(2011), 1309 1319. http://www.m-hikari.com/ijma/ forth/ index.html(**ISSN: 1312-8876**).
- 39. (T. Abdeljawad, P. P. Murthy and K. Tas), A Gregus type common fixed point theorem setvalued mappings in cone metric spaces, Journal of Computational Analysis and Applications 13(4)(2011), 622 – 628.( ISSN: 1521-1398), Impact Factor: 0.463.

## 2010

- 40. (P. P. Murthy, S. Kumar and K. Tas), Common Fixed Points Of Self Maps Satisfying An Integral Type Contractive Condition in Fuzzy Metric Spaces, Mathematical Communications(SCI Journal), 15(2)(2010), 521-537.( ISSN: 1331-0623),Impact Factor: 1.075.
- ( M. S. Khan, S. M. Samanipore and P. P. Murthy), Common Fixed point theorems for compatible maps of Type(P) and kind of weakly commuting maps, Fasciculi Mathematici, Vol.43(2010), 53 66. (ISSN 0044-4413).

# 2009

- (P. P. Murthy and Kenan Tas), Common fixed point theorems of Gregus type for R-weakly commuting mappings satisfying generalized contractive conditions in 2-Metric Spaces, Hacettepe Journal of Mathematics and Statistics(Science Citation Extended Journal), Volume 38 (3) (2009), 285 291 (ISSN: 13035010, E-ISSN 2651-477X), Impact factor 0.413.
- (J. O. Olaleru and P. P. Murthy), Common Fixed Point Theorems of Gregus type mappings in a complete linear metric space, JP Journal of Fixed Point Theory and Applications, Volume 4, Issue 3, (December 2009), Pages 193 – 208. (ISSN 0973-4228).
- 44. (P. P. Murthy and J. O. Olaleru), Common fixed points for a rational inequality under weak *compatible maps of type (A)*, East Asia Mathematical, Journal, Vol. 25 at March 31, 2009 (ISSN 1226-6973).

## 2001

- 45. Important Tools and Possible Applications of Metric Fixed Point Theory, Nonlinear Analysis(Science Citation Extended Journal), 44(5)(2001), 3479 3490.
   www.elsevier.nl/locate/na, www.sciencedirect.com.( ISSN: 0362-546X, Impact Factor: 1.743 E-ISSN: 1873-5215), Science Citation Index.
- 46. (M. R. Singh, L.S. Singh and P. P. Murthy), Common fixed points of set-valued mappings, International Journal of Mathematics and Mathematical Sciences, 25(6)(2001), 411 - 416. www.hindawi.com., (ISSN: 0161-1712) (Scopus, Web of Science).

## 2000

**47.** (G. Jungck, P. P. Murthy and Y. J. Cho), *A Theorem of Meir and Keeler Type Revisited*, International Journal of Mathematics and Mathematical Sciences, 23(7)(2000), 507 - 511. <u>www.hindawi.com</u> (ISSN No. 0161-1712)( Scopus, Web of Science). **48.** (D. Ram, S. N. Lal and P. P. Murthy), *Coincidence and Common fixed points in saks spaces*, Prog. of Maths, 34(1&2)(2000), 1-8.

# 1999

49. (B. Fisher and P. P. Murthy), *Biased maps of type(AT) and common fixed points*, Journal of Natural Sciences and Mathematics, 39(1)(1999), 33 - 42.,(ISSN: 0022-2941), <a href="http://www.gcu.edu.pk/NSMJournal.htm">http://www.gcu.edu.pk/NSMJournal.htm</a>.

#### 1997

(B. Fisher and P. P. Murthy), *Related fixed point theorems for two pairs of mappings on two metric spaces*, Kyungpook Mathematical Journal, 37(2)(1997), 343-347.(ISSN: 0454-8124), Impact Factor: 0.73.

# 1996

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#### 1995

- 52. (P. P. Murthy, B. Fisher and Y. J. Cho), Common fixed points of Gregus type mappings, Glasnik Matematicki (Science Citation Extended Journal), 30(2)(1995), 335-341. <u>http://www.math.hr/glasnik</u>.( ISSN 0017-095X (Print), ISSN 1846-7989 (Online)), Impact Factor: 0.83.
- 53. (P. P. Murthy, B. K. Sharma and Y. J. Cho), Coincidence point and common fixed points for compatible maps of type(A) on saks spaces, Journal of Math.Res.& Exposition, 15(3)(1995), 353-361.(ISSN 1000-341X).

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54. (S. N. Lal, P. P. Murthy and C. Sreedhar), *Common fixed points in saks spaces*, Progress of Mathematics Vol.28&29(1994-95), 59-70, ISSN: 0555-4330.

## 1993

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- 56. (P. P. Murthy, Y. J. Cho and S. M. Kang), *Compatible mappings of type(A) and common fixed point in Banach spaces*, Comm. Fac. Science University Ank .Series(A)( Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics), 42(1993), 45-53.(ISSN: 1303-5991 e-ISSN: 2618-6470).
- 57. (G. Jungck, P. P. Murthy and Y. J. Cho), *Compatible maps of type(A) and common fixed points*, Mathematica Japonica 38(2)(1993), 381- 390.( ISSN: 0025-5513).
- 58. Remarks on a fixed point theorems of Sharma and Sahu, Bull. Pure & Applied Sciences, 12E(1-2)(1993), 7-10 (ISSN: 0970-6577)

- 59. (Y. J. Cho, P. P. Murthy and M. Stojakovic), Compatible mappings of type(A) and common fixed point in Menger spaces, Communications of the Korean Mathematical Society, 7(1992), 325-339 (ISSN: 1225-1763(print), ISSN: 2234-3024 (eprint)), Impact Factor: 0.71
- 60. (P. P. Murthy, S. S. Chang, Y, J, Cho and B. K. Sharma), *Compatible mappings of type(A)* and common fixed point, Kyungpook Mathematical Journal 32(20)(1992), 203-216( ISSN: 0454-8124).
- 61. ( P. P. Murthy and B. K. Sharma), Some fixed point theorem on Saks spaces, Bull.Cal.Math.Soc. 84(1992), 289-293( ISSN: 008-0659).
- 62. (P. P. Murthy and B. K. Sharma), *Extension of Naimpally and Singh's Theorem(II)*, The Maths. Student 61(1-4)(1992), 241-245( ISSN: 0025 5742).
- **63.** A Fixed Point Theorem under compatible Mappings, Proc. Math. Soc.BHU, 8(1992), 61 64.

## 1991

- **64.** ( P. P. Murthy and B. K. Sharma), *Some unique common fixed point theorems*, Pure and Applied Mathematica Sciences 33(1-2)(1991),105-108.
- 65. ( P. P. Murthy and B. K. Sharma), *Fixed point theorem for three mappings*, Bull.Cal.Math.Soc. 83(1991), 371-372, (ISSN: 008-0659).

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- 66. (P. P. Murthy and B. K. Sharma), *Extension of Naimpally and Singh's theorem under weak commutativity*, Bull.Cal.Math.Soc. 82(1990), 400-403(ISSN: 008-0659).
- 67. ( P. P. Murthy and H, K, Pathak), Some fixed point theorems without continuity, Bull.Cal.Math.Soc.82(1990), 212-215, ( ISSN: 008-0659).

# **CONFERENCES / WORKSHOPS ORGANIZED**

- 1. C.G. Young Scientist Congress, Co-Convenor, March 29 30, 2008.
- 2. International Conference on Interdisciplinary Approaches in Physical Sciences: Growing Trends and Recent Advances. Published the Abstract for this conference (Abstraction of the papers).
- 3. Fixed Point Theory in Probabilistic and Fuzzy Structures, **Global Initiative of Academic Network(GIAN), Coordinator**, October 23-27, 2018 USD 8000.
- International Confrence on Mathematical Sciences and Applications (ICMSA), Convenor, Feb 23-25, 2018. Funded by DST New Delhi, Chhattisgarh Counsil of Science and Technology, Raipur, South Eastern Coal Fields Limited, GGV Bilaspur(CG).
- 5. National Mathematics Day-2018( Organized on Feb 16, 2019), Convenor, Rs. 40000 by Chhattisgarh Counsil of Science and Technology, Raipur.
- 6. National Mathematics Day-2021( Organized on March 28, 2028), Convenor, Rs. 50000 by Chhattisgarh Counsil of Science and Technology, Raipur.

# **RESEARCH PROJECTS**

1. Some Fixed Point Problems in Different Spaces and Their Possible Applications, UGC sponsored Major Research Project, Grant No. MRMP: 42-32/2013(SR), Project Value : Rs. 10,43,600.

# **CONFERENCES/ WORK SHOPS ATTENDED**

- 01. Advance level workshop in Mathematics and Physics, sponsored by MAPCOST, Bhopal.
- **02.** Wavelets and Applications, N.B.H.M. workshop, Department of Atomic Energy, Govt. of India, (June'1-21, 1997).
- **03. VIII annual conference of Mathematical Society of Banaras Hindu University**, Varanasi, U.P. India, from Jan 22 23, 1993.
- **04.** Invited Talk: International Conference on recent developments in Mathematical Analysis with applications to Industrial problems, Department of Mathematics, Banaras Hindu University, Varanasi, U.P.India, March 2 5, 1998.
- **05. XIV- Annual conference of Mathematical Society of Banaras Hindu University,** Varanasi, U.P. India, Nov 30 – Dec 01, 1998.
- **06.** Invited Talk: Common Fixed Points of Set-Valued Mappings, 61<sup>st</sup> Indian Mathematical Society's conference, Department of Mathematics and Statistics, Gurukula Kangri Vishwavidyalaya, Haridwar, Dec'19-22,1998.
- **07. XV- Annual Conference of Mathematically Society of Banaras Hindu University,** Varanasi, U.P. India, Dec. 6 7, 1999.
- **08.** Invited Talk (Resource Person): A note on Common Fixed Points, National Conference of Nonlinear Analysis and Applications, Department of Mathematics, Andhra University, Visakhapatnam, A.P. India, March 27-29, 2000.
- **09.** Invited Talk: The Third World Congress of Nonlinear Analysts (WCNA-2000), University of Catania, Catania, Sicily, Italy (July 19-26, 2000).
- **10.** Talk: Recent Trends in Metric Fixed Point Theory, 66<sup>th</sup> Annual Conference of Indian Mathematical Society, Department of Mathematics, Aurangabad University, Aurangabad, Dec 19-22, 2000.
- 11. Invited Talk: Mathematical Modelling and its Applications in Engineering and Medical Sciences, 5<sup>th</sup> Ethiopian Mathematical Society National Conference, Addis Ababa University, Addis Ababa, Ethiopia, 2003.
- 12. 8<sup>th</sup> International Conference on Fixed Point Theory and its Applications, Chaing Mai University, Chiang Mai, Thailand (July 16 22, 2007).

- **13. Research Methodology in Sciences: Managing Quality in Research & Identification of Thrust Areas**, Guru Ghasids University, Bilaspur, C.G., September 29, 2007 October 1, 2007.
- 14. International Conference on Interdisciplinary Approaches in Physical Sciences: Growing Trends and Recent Advances, Jan 12 – 14, 2008.
- **15. Topological Dynamics, Differential Equations and Applications**, University of Hyderabad, Hyderabad, A.P., India, March 11 15, 2008.
- **16.** Recent Trends of Non-Commuting Maps under Fuzzy Fixed Points Considerations, International Conference on Analysis and Applications, Aligarh Muslim University, Aligarh, India, Nov. 3 – 5, 2008.
- 17. Invited Talk: From Certainty to Uncertainty: In the Context of Fixed Point Theory and Applications, *History of Mathematics: Its Role in Science and Society*, Department of Mathematics, Manipur University, Imphal, Manipur, India (December 19-21, 2008).
- 18. Invited Talk: Review of Common Fixed Points for Two Pairs of Non-Compatible Maps in Different Spaces, National Conference on Analysis and its Applications(AA-BHU-2009), Department of Mathematics, Banaras Hindu University, Varanasi-221 005, India (March 19-21, 2009).
- **19.** Invited Talk as a visiting Professor: Recent Trends in Fixed Point Theory and Applications, Cankaya University, Cankaya, Ankara, Turkey. (web page: <a href="http://mcs.cankaya.edu.tr/seminer/seminer\_en.php">http://mcs.cankaya.edu.tr/seminer/seminer\_en.php</a>).
- Contributory Paper: Non-Compatible Maps and Common Fixed Points in Different Spaces, International Conference on Topology and its Applications, Department of Mathematics, Hacettepe University, Ankara, Turkey (July 6-11, 2009).
- **21. Invited Talk: Fixed Points of Weak Contraction Mappings under Non-Compatible Maps,** The 10<sup>th</sup> International Conference on Nonlinear Functional Analysis and Applications, Masan and Chinju, **South Korea** (July 27-31, 2009).
- 22. Invited Talk(Short Talk): Weak Contraction Mappings under Fixed Points Considerations, The 25<sup>th</sup> Annual Conference of the Ramanujan Mathematical Society, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, (May 3-5, 2010)
- 23. Invited Talk: Some Variants of Non-Commuting, Compatible And Non-Compatible Maps in Metric Fixed Point Theory, National Conference on Nonlinear Analysis and Applications, Department of Mathematics, HNB Garwal University, Pauri Campus, Uttarachal, June 5 7, 2010.
- **24. Introduction to Network Science,** Indian Institute of Science, Bangalore, Aug 29 Sept 02, 2011.
- **25.** Invited Talk : Recent Trends in Metric Fixed Point Theory (1970 2000), National Conference on "Recent Advances In Mathematics" December 12 14, 2012. R.D.U. Jabalpur (M.P.).

- **26. Invited Talk : What is Mathematics and why is Mathematics**? Sector IX college, Bhilai(CG), January 22, 2013.
- 27. Invited Speaker : REMARKS ON SOME RECENT FIXED POINT THEOREMS" National Workshop on Recent Development in Mathematics and its Applications in various Fields, January 21 - 22, 2013, St. Thomos College, Bhilai(CG), Sponsored by: CGCOST, Raipur.
- **28. Invited Speaker :** National conference on Education and Research Scenario of Mathematical and Computer Sciences, Jan 29 30, 2013, Seth Phoolchand Agrawal Smriti Mahavidhyalaya, Nawapara Nagar, Dist: Raipur(CG).
- **29. Invited Speaker:** Fuzzy Sets and Fuzzy Logic, National Seminar and Workshop, Sponsored by UGC, New Delhi and C.G. COST, February 1 -, 2013.
- **30.** Invited Talk: Tips on writing (/ presenting) Manuscript and Selecting Appropriate Journal, UGC-ASC, GGV, Bilaspur (CG), March 21, 2013.
- **31. International Workshop:**International Workshop on Operator Theory and its Applications (**IWOTA**)- **IISc Bangalore**, December 2013.
- **32. Key Note Address: "n- tupled coincidence point theorem in fuzzy metric spaces",** National Conference on Emerging Trends in Mathematics and its Applications in Science and Engineering, YCCE, Nagpur (July 24 - 25, 2014).
- **33.** Chairman for the papers presentation session: National Conference on Emerging Trends in Mathematics and its Applications in Science and Engineering, YCCE, Nagpur(July 24 25, 2014).
- 34. Autumn School on Nonlinear Geometry of Banach Spaces and Applications, Laboratoire de Mathématiques de Besançon, Université de Franche-Comté - UFC, October 20 - 24, 2014.
- 35. Invited Speaker : " n-tupled coincidence point theorems in Probabilistic Metric Spaces", International Conference on Geometric functional Analysis and its Applications, Laboratoire de Mathématiques de Besançon , Université de Franche-Comté UFC , France, October 27 31, 2014.
- 36. Invited Speaker: "Periodic points of rational inequality in Complex Valued Metric Spaces", International Conference on Geometric functional Analysis and its Applications, Laboratoire de Mathématiques de Besançon, Université de Franche-Comté UFC, France, October 27 31, 2014.
- **37. Invited Speaker : Some Contractions as a tool to obtain fixed points**, ETSER-2015, National Institute of Technology Manipur, Imphal, Manipur State, December 02 04, 2015.
- **38.** Chairman of the technical session for **Orel Presentation** at , ETSER-2015, National Institute of Technology Manipur, Imphal, Manipur State, December 02 04, 2015.
- **39. Fixed Points of Multivalued maps under (** $\phi$ ,  $\psi$ **) -contraction, ETSER-2015**, National Institute of Technology Manipur, Imphal, Manipur State, December 02 04, 2015.

- **40.** Invited Talk: Some recent results of metric fixed point theory and applicatins, Analysis and its Applictions(Under UGC-DRS(SAP-II) Programme), Department of Mathematics, Aligarh Muslim University, Aligarh(India), December 19 - 21, 2015).
- **41.** Invited Talk : Remarks on Some Selective Results of Recent Fixed Point Theory and Applications in Various Spaces(UGC sponsored) 2nd National Conference on Algebra, Analysis and Fuzzy Mathematics(NCAAFM-2016 Jalgaon), Department of Mathematics, North Maharastra University, Jalgaon, MS, January 29-30, 2016.
- **42.** Invited Talk : Some Contractions as a Tool to Obtain Fixed Points, 24 ICFIDCAA 2016, Aanand International College of Engineering, Jaipur, India(August 22-26, 2016).
- **43. Invited Talk : Some Interesting Fixed Point Theorems**, Recent advances in Mathematics and Mathematical Sciences and their Applications(RAMMSA 2016), Department of Mathematics, H. N. B. Garhwal University, Campus Pauri, Pauri Garhwal(November 10-12, 2016).
- 44. Invited Talk: UGC Sponsored two days National Conference on "Recent Advances in Mathematics and its Applications" : Interesting Results in Metric Fixed Point Theory and Applications, Department of Mathematics, St. Joseph's College for Women(Autonomous), Visakhapatnam(AP), November 17- 18, 2016.
- **45.** Invited Talk : History of Mathematical Sciences : "Metric Properties of Various Spaces under Fixed Points Consideratinos", Department of Mathematics, National Institute of Technology Manipur, Imphal, November 18 20, 2016.
- **46. Invited Talk: Consequences of Banach's and Jungck's Fixed Point Theorems** in the Special Session: Progress in Fixed Point Theory and Its Applications, American Mathematical Society meeting at University of Central Florida, **Orlando, FL, USA**, September 23-24, 2017.
- **47. Invited Talk: What is Mathematics? How do we feel about it?**, State Level wrokshop on Recent Advances in Mathematics and their Applications, Govt. Kamaladevi Rathi Girls P.G. College, Rajnandgaon, December 21, 2019.
- **48.** Invited Talk: Recent Advances in Metric Fixed Point Theory and Applications, Workshop on The Recent Advances in Applications of Theoretical and Computational Fixed Points, Division of Mathematics and Statistics, Faculty of Science and Technology, Thammasat University, Thammasat, Thailand, Dec. 25-28, 2019.
- **49. Invited Talk : Genesis of Metric Fixed Point Theory,** National seminar on Parallel Computing & Optimization Techinques, MH Science College(For Women), Jabalpur February 23-24, 2019.
- 50. Invited Talk: Recent Advances in Fixed Point Theory and their Applications, Recent Advances in Mathematics and Mathematical Sciences(RAMMS 2019), Departments of Mathematics & Statistics, St. Joseph's College for Women (Autonomous), Visakhapatnam, November' 15 16, 2019.
- 51. Invited Talk(Key Note Speaker): Motivational Results due to Banach and Jungck in the Context of Metric Fixed Point Theory, Webinar on "Recent Trends

and Applications of Fixed Point Theory", June 19, 2020, Department of Mathematics, Kanya Mahavidyalaya, Kharkhoda, Aff. MD University, Rohtak.

- **52. Invited Speaker:** RECENT TRENDS IN MATHEMATICS, International Webinar, y Department of Mathematics, Government Arts College, Udhagamandalam on 11th of July 2020.
- **53.** Invited Speaker: Some Remarks on Metric Fixed Point Theorems, Recent Developments in Mathematics and its Applications, Department of Mathematics, GITAM Institute of Sciences, Recent Developments in Mathematics and its Applications on 20th June 2020
- **54.** Invited Talk: National Webinar, Consequences of Banach and Jungck fixed point theorems, June 29, 2020, G. Pulla Reddy Degree & PG College, Hyderabad, Affl. Osmania University.
- 55. Invited Speaker: A Review of Some Recent Results on Metric Fixed Point Theory and Applications in the Context of Various Conditions, 27th International Conference Of International Academy of Physical Sciences (Coniaps Xxvii) on Functional And Numerical Analysis October 26-28, 2021 Organised By School of Studies In Mathematics, Pt. Ravishankar Shukla University Raipur, Chhattisgarh, India.
- **56. Invited Speaker: Basics of Latex**, Faculty Development Programme, Organized by Kalinga University, Naya Raipur, June 14 27, 2022.
- **57. Invited Speaker/Resource Person: Mathematics in Day-to-Day Life,** Two day National Seminar on **RECENT TRENDS IN PURE AND APPLIED MATHEMATICS** from Jan 20 -21, 2-23, Organized by Department of Mathematics, IDEAL COLLEGE OF ARTS AND SCIENCES (A), KAKINADA(A.P.).
- **58.** Invited Speaker: Recent Developments in Fixed Point Theory and Applications, Organized by Faculty of Technology, Kalinga University, Naya Raipur, Sponsored by AICTIE, New Delhi, Feb 14 -15, 2023.

# REFERENCES

## 1. Professor S. S. Pandey

(Ex Vice-Chancellor) Department of Mathematics, Rani Durgavati University, Jabalpur(MP) Phones: +91 93294 36757(Mobile) Email: <u>dranjilagupta@gmail.com</u>

## 2. Prof. S.G. Dani (Retd. NBHM, Bombay)

UM-DAE Centre for Excellence Basic Sciences (CBS) University of Mumbai(MS) Email: shrigodani@gmail.com Phone : +91 9757282263

## 3. Prof. Brian Fisher(Retd.)

Department of Mathematics and Computer Science University of Leicester, Leicester LE1 – 7RH England, UK Fax No. 0116-2523915, Tel(Res) 0116-2773338 **E-mail:** fbr@mcs.le.ac.uk

# 4. Prof. Yeol Je Cho(Retd.)

Department of Mathematics Gyeongsang Ntional University Chinju, 660 – 701, Sourth-Korea e-mail: <u>yjcho@nongae.gsnu.ac.kr</u> Phone Numbers: 055-751-5673( Office), 055-755-3644 (Residence), Fax Number: 055-751-61**17** 

# 5. Prof. Kenan Tas (Collaborator)

Department of Mathematics and Computer Science Cankaya University, Cankaya, Turkey e-mail: <u>kenan@cankaya.edu.tr</u> Phone Numbers: 90–312–233 14 25, 90–312–233 11 32 Fax number: 00 90 285 96 31

# 6. Professor P. Veeramani (Retd.)

Department of Mathematics IIT, Madras Email: pvmani@iitm.ac.in Mob. NO. 9500184419

#### SCOPUS:

div itemscope itemtype="https://schema.org/Person"><a itemprop="sameAs" content="https://orcid.org/0000-0003-3745-4607" href="https://orcid.org/0000-0003-3745-4607" target="orcid.widget" rel="noopener noreferrer" style="verticalalign:top;"><img src="https://orcid.org/sites/default/files/images/orcid\_16x16.png" style="width:1em;margin-right:.5em;" alt="ORCID iD icon">https://orcid.org/0000-0003-3745-4607</a>

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