Curriculum Vitae

INFORMAZIONI PERSONALI

Nome CALOGERO
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FORMAZIONE TITOLI

Maturità scientifica nell'anno 1993-1994 presso il Liceo Scientifico Statale Benedetto Croce di Palermo con voti 60/60.
Laurea in Ingegneria Meccanica all'Università degli Studi di Palermo con voti 110/110, lode e menzione nell'anno 2000 con una tesi dal titolo: "Analisi degli F.M.S. e tecniche per la progettazione dinamica di un layout per sistema flessibile in condizioni di incertezza".
Dottorato di Ricerca in "Ingegneria dell'Automazione e dei Sistemi" conseguito in data 06/02/2004 con una tesi dal titolo: "Previsione di fenomeni complessi di inquinamento".
Dal 01/02/2005 Ricercatore, Settore Scientifico Disciplinare MAT/05 - Analisi Matematica, presso la Facoltà di Scienze MM. FF. NN. dell'Università degli Studi di Palermo.
Membro della Commissione Scientifica di Ateneo (Area 01, Scienze Matematiche) dell'Università degli Studi di Palermo per il triennio 2007/2010.
Membro della Commissione Didattica del Consiglio di Interclasse in Matematica dal 2011 al 2013. Membro della Commissione Paritetica Docenti-Studenti del Dipartimento di Matematica e Informatica(rappresentante docente del Corso di Laurea in Intelligenza Artificiale) dal 2024 ad oggi.
Membro del Collegio del Dottorato Internazionale in Fisica Applicata dell'Università degli Studi di Palermo, XXV Ciclo, anno di inizio 2011.
Membro del Collegio del Dottorato in Matematica e Informatica dell'Università degli Studi di Palermo, XXVI Ciclo, anno di inizio 2012.
Membro del Collegio del Dottorato in Matematica e Informatica dell'Università degli Studi di Catania, XXIX Ciclo, anno di inizio 2013.
Membro del Collegio del Dottorato in Matematica e Informatica dell'Università degli Studi di Catania, XXX Ciclo, anno di inizio 2014.
Membro del Collegio del Dottorato in Matematica e Informatica dell'Università degli Studi di Catania, XXXI Ciclo, anno di inizio 2015.
Membro del Collegio del Dottorato in Matematica e Informatica dell'Università degli Studi di Catania, XXXII Ciclo, anno di inizio 2016.
Membro del Collegio del Dottorato in Matematica e Scienze Computazionali dell'Università degli Studi di Catania, XXXIII Ciclo, anno di inizio 2017.
Membro del Collegio del Dottorato in Matematica e Scienze Computazionali dell'Università degli Studi di Palermo, XXXIV Ciclo, anno di inizio 2018.
Membro del Collegio del Dottorato in Matematica e Scienze Computazionali dell'Università degli Studi di Palermo, XXXV Ciclo, anno di inizio 2019.
Membro del Collegio del Dottorato in Matematica e Scienze Computazionali dell'Università degli Studi di Palermo, XXXVI Ciclo, anno di inizio 2020.
Membro del Collegio del Dottorato in Matematica e Scienze Computazionali dell'Università degli Studi di Palermo, XXXVII Ciclo, anno di inizio 2021.
Membro del Collegio del Dottorato in Matematica e Scienze Computazionali dell'Università degli Studi di Messina, XXXVIII Ciclo, anno di inizio 2022.
Membro del Collegio del Dottorato in Matematica e Scienze Computazionali dell'Università degli Studi di Messina, XXXIX Ciclo, anno di inizio 2023.
Membro del Collegio del Dottorato in Matematica e Scienze Computazionali dell'Università degli Studi di Messina, XL Ciclo, anno di inizio 2024.

Valutatore esterno tesi di dottorato per la Lahore University of Management Sciences, Lahore - Pakistan; la Thapar University, Patiala - India; la Quaid-i-Azam University, Islamabad - Pakistan.
Valutatore esterno premio "Tubitak Science, Young Scientist Awards" (for Turkish scientists), 2012.
Membro della Commissione permanente per la ricerca del Dipartimento di Matematica e Informatica dell'Università degli Studi di Palermo dal 05/2013.
Membro della Commissione AQ Ricerca del Dipartimento di Matematica e Informatica dell'Università degli Studi di Palermo dal 03/2014 al 07/2015.
Membro della Commissione Paritetica docenti-studenti della Scuola delle Scienze di Base e Applicate dell'Università degli Studi di Palermo dal 03/2017 al 10/2018.
Membro della Commissione Paritetica Docenti-Studenti (CPDS) del Dipartimento di Matematica e Informatica (DMI) dell'Università degli Studi di Palerm, in qualità di rappresentante docente del Corso di Laurea in Intelligenza Artificiale L-31 dal 06/2024.

Presente nella lista "Highly Cited Researchers" stilata dall'Institute for Scientific Information (ISI) - Thomson Reuters - Anni 2015, 2016, 2017.

ATTIVITA' DIDATTICA

Università degli Studi di Palermo:
Insegnamento di Analisi Numerica per i corsi di laurea in Matematica, Matematica per l'Informatica e la Comunicazione Scientifica (fino a disattivazione), anni accademici dal 2004/2005 al 2014/2015; per la laurea specialistica in Scienze dell'Informazione, anni accademici dal

2004/2005 al 2008/2009.
Insegnamento di Calcolo Numerico per il corso di laurea specialistica in Geologia ed Applicazioni per il territorio, anni accademici 2005/2006 e 2006/2007; per il corso di laurea specialistica in Scienze dell'Informazione, anno accademico 2009/2010; per il corso di laurea in Informatica, anni accademici dal 2012/2013 al 2014/2015 e 2016/2017, 2017/2018.
Insegnamento di Geomatematica per il corso di laurea specialistica in Geologia ed Applicazioni per il territorio, anno accademico 2007/2008.
Insegnamento di Matematica Computazionale per il corso di laurea specialistica in Scienze dell'Informazione, anno accademico 2008/2009.
Insegnamento di Ricerca Operativa per il corso di laurea specialistica in Scienze dell'Informazione, anni accademici 2009/2010 e 2010/2011.
Insegnamento di Metodi Matematici per l'Ottimizzazione per il corso di laurea magistrale in Informatica, anni accademici 2015/2016 e 2016/2017.
Insegnamento di Analisi Matematica (modulo: Analisi Matematica II) per il corso di laurea in Informatica, anno accademico 2017/2018.
Periodo di congedo per motivi di studio e di ricerca dal 01/10/2018 al 15/09/2019.
Insegnamento di Analisi Matematica (moduli: Analisi Matematica 1 e 2) per il corso di laurea in Ingegneria Biomedica (sede CL), anno accademico 2019/2020.
Insegnamento di Matematica per il corso di laurea in Biotecnologie, anni accademici dal 2020/2021 al 2024/2025.
Insegnamento di Analisi Matematica (modulo: Analisi Matematica 2) per il corso di laurea in Ingegneria Chimica e Biochimica, anni accademici dal 2022/2023 al 2024/2025.
Insegnamento di Analisi Matematica per il corso di laurea in Intelligenza Artificiale, anni accademici 2023/2024 e 2024/2025.

Docente, nell'anno 2013, di un ciclo di lezioni all'interno del corso: "Misurabilità e integrabilità di multifunzioni. Teoremi di punto fisso e loro applicazioni" per il Dottorato in Matematica e Informatica XXVI Ciclo;

Docente del modulo didattico: Laboratorio di Ricerca Operativa, Indirizzo 2 Fisico Matematico, Classe 48/A, Corsi Speciali Abilitanti ex Lege 143/2004, art 2, comma 1 ter, Scuola Interuniversitaria Siciliana di Specializzazione per l'Insegnamento Secondario, anno accademico 2006/2007.

RICERCHE FINANZIATE

1. 2004-ATE-0028, Cambiamento di variabili, Riconoscimento e classificazione di forme cellulari, responsabile: Cristina Di Bari, durata: 48 mesi;
2. 2005-ATE-1150, Differenziabilità, Disequazioni variazionali, Modelli matematici, responsabile: Pasquale Vetro, durata: 48 mesi;
3. 2006-ATE-0568, Derivate metriche e punti fissi, responsabile: Cristina Di Bari, durata: 60 mesi;
4. 2007-ATE-1178, Punti fissi in spazi metrici e in spazi metrici fuzzy, responsabile: Pasquale Vetro, durata: 60 mesi;
5. 2007-ATE-1357, Rappresentazioni e Problemi di Convergenza in Analisi Funzionale ed Algebra Non Commutativa, responsabile: Antonino Giambruno, durata: 24 mesi;
6. 2012-ATE-0341, Punti fissi, punti di migliore approssimazione, punti critici, responsabile: Calogero Vetro, durata: 24 mesi;
7. IRG14-04, International Research Group Program, King Saud University, referente locale: Calogero Vetro, durata: 12 mesi;
8. Progetto di Ricerca GNAMPA - INdAM 2015, Esistenza, molteplicità e stabilità delle soluzioni di problemi differenziali, coordinatore: Calogero Vetro, durata: 12 mesi;
9. Progetto Professore Visitatore GNAMPA - INdAM 2016;
10. Progetto di Ricerca GNAMPA - INdAM 2016, Teoria dei punti critici e applicazioni, coordinatore: Giuseppina D'Aguì, durata: 12 mesi;
11. ISPP#0068, International Scientific Partnership Program, King Saud University, responsabile: Calogero Vetro, durata: 12 mesi;
12. Progetto di Ricerca GNAMPA - INdAM 2017, Molteplicita' e localizzazione di soluzioni per problemi quasilineari ellittici, coordinatore: Elisabetta Tornatore, durata: 12 mesi;
13. Finanziamento Attività Base Ricerca (FFABR) 2017;

ASSOCIAZIONI SCIENTIFICHE

Membro del Gruppo Nazionale per l'Analisi Matematica, la Probabilità e le loro Applicazioni (GNAMPA) - Sezione: Analisi Reale, Teoria della Misura e Probabilità - dell'Istituto Nazionale di Alta Matematica (INDAM) dall'anno 2006.
Socio dell'Unione Matematica Italiana dall'anno 2015 all'anno 2021.
Membro del Centro Interdipartimentale di Tecnologie della Conoscenza (C.I.T.C.) dell'Università degli Studi di Palermo dall'anno 2015.
Socio del Gruppo 2003 dall'anno 2016.

PUBBLICAZIONE

01. C. Vetro, Flexible machine layout design approached by genetic algorithm and integer programming, Atti della Accademia di Scienze Lettere e Arti di Palermo Serie (5) 22 (2001/02), Tomo 1: Scienze, 81-100 (2003).

02. C. Vetro, Fuzzy approach to machine layout design for a flexible production system, Atti della Accademia di Scienze Lettere e Arti di Palermo Serie (5) 22 (2001/02), Tomo 1: Scienze, 235-244 (2003).

03. C. Di Bari and C. Vetro, The primitive with respect to oscillation, Rendiconti del Circolo Matematico di Palermo (2) 51 (2002), no. 1, 175-178. (*in italian*)

04. C. Di Bari and C. Vetro, A fixed point theorem for a family of mappings in a fuzzy metric space, Rendiconti del Circolo Matematico di Palermo (2) 52 (2003), no. 2, 315-321.

05. C. Di Bari and C. Vetro, A remark on differentiable functions with partial derivatives in Lp, Journal of Mathematical Analysis and Applications 299 (2004), no. 1, 227-234.

06. C. Di Bari and C. Vetro, A local notion of absolute continuity in IR^n, Rendiconti del Circolo Matematico di Palermo (2) 54 (2005), no. 1, 101-108.

07. C. Di Bari and C. Vetro, Fixed points, attractors and weak fuzzy contractive mappings in a fuzzy metric space, Journal of Fuzzy Mathematics. 13 (2005), no. 4, 973-982.

08. N. Giovannelli, G. Rao and C. Vetro, The essential K-variation of a real function, Rendiconti del Circolo Matematico di Palermo (2) 54 (2005), no. 3, 443-450. (*in italian*)

09. C. Di Bari and C. Vetro, A remark on absolutely continuous functions in IR^n, Rendiconti del Circolo Matematico di Palermo (2) 55 (2006), no. 2, 296-304.

10. C. Di Bari and C. Vetro, Absolute continuity for Banach space valued mappings, Rendiconti del Circolo Matematico di Palermo (2) 56 (2007), no. 1, 116-124.

11. C. Di Bari and C. Vetro, Common fixed points for locally lipschitz mappings, International Journal of Pure and Applied Mathematics 37 (2007), no. 4, 529-539.

12.C. Vetro and D. Tegolo, A Binary Particle Swarm Optimization Algorithm for a Double Auction Market, in A. Consiglio (Ed.) Artificial Markets Modeling: Methods and Applications, Lecture Notes in Economics and Mathematical Systems, volume 599 (Springer 2007), 249-258.

13. C. Di Bari, T. Suzuki and C. Vetro, Best proximity points for cyclic Meir-Keeler contractions, Nonlinear Analysis 69 (2008), 3790-3794 doi:10.1016/j.na.2007.10.014

14. C. Vetro and P. Vetro, Common fixed points for discontinuous mappings in fuzzy metric spaces, Rendiconti del Circolo Matematico di Palermo 57 (2008), no. 2, 295-303.

15. C. Di Bari and C. Vetro, Common fixed point theorems for weakly compatible maps satisfying a general contractive condition, International Journal of Mathematics and Mathematical Sciences 2008 (2008), Article ID 891375, 8 pages, doi:10.1155/2008/891375

16. C. Vetro, Common fixed points in ordered Banach spaces, Le Matematiche, Vol. LXIII (2008) – Fasc. II, 93-100.

17. T. Suzuki, M. Kikkawa and C. Vetro, The existence of best proximity points in metric spaces with the property UC, Nonlinear Analysis 71 (2009), 2918-2926 doi:10.1016/j.na.2009.01.173

18. C. Vetro, Some fixed point theorems for occasionally weakly compatible mappings in probabilistic semi-metric spaces, International Journal of Modern Mathematics 4 (2009), no. 3, 277-284.

19. T. Suzuki and C. Vetro, Three existence theorems for weak contractions of Matkowski type, International Journal of Mathematics and Statistics (2010), volume 6, number S10, Spring 2010, 110-120.

20. C. Vetro and F. Vetro, Applying fuzzy Particle Swarm Optimization to Multi-unit Double Auctions, International Journal of Management Science and Engineering Management 5 (2010), no. 3, 175-181.

21. C. Vetro, On Branciari's theorem for weakly compatible mappings, Applied Mathematics Letters 23 (2010), no. 6, 700-705, doi:10.1016/j.aml.2010.02.011

22. C. Vetro, Best proximity points: convergence and existence theorems for p-cyclic mappings, Nonlinear Analysis 73 (2010), no. 7,

2283-2291, doi:10.1016/j.na.2010.06.008

23. C. Vetro, D. Gopal and M. Imdad, Common fixed point theorems for (phi,psi)-weak contractions in fuzzy metric spaces, Indian Journal of Mathematics 52 (2010), no. 3, 573-590.

24. B. Samet and C. Vetro, Coupled fixed point, F-invariant set and fixed point of N-order, Annals of Functional Analysis, 1 (2010), no. 2, 46-56.

25. L. Ciric, B. Samet and C. Vetro, Common fixed point theorems for families of owc mappings, Mathematical and Computer Modelling 53 (2011), no. 5-6, 631-636, doi:10.1016/j.mcm.2010.09.015

26. C. Vetro, Fixed points in weak non-Archimedean fuzzy metric spaces, Fuzzy Sets and Systems 162 (2011), no. 1, 84-90, doi:10.1016/j.fss.2010.09.018

27. D. Gopal, M. Imdad and C. Vetro, Common fixed point theorems for mappings satisfying common property (E.A.) in symmetric spaces, Filomat, 25 (2) (2011), 59-78, doi:10.2298/FIL1102059G

28. D. Gopal, M. Imdad and C. Vetro, Impact of common property (E.A.) on fixed point theorems in fuzzy metric spaces, Fixed Point Theory and Applications 2011 (2011), Article ID 297360, 14 pages.

29. H.K. Nashine, B. Samet and C. Vetro, Monotone generalized nonlinear contractions and fixed point theorems in ordered metric spaces, Mathematical and Computer Modelling 54 (2011), 712-720.

30. B. Samet and C. Vetro, Coupled fixed point theorems for multi-valued nonlinear contraction mappings in partially ordered metric spaces, Nonlinear Analysis 74 (2011), 4260-4268.

31. B. Samet and C. Vetro, Comments on the paper “Coincidence theorems for some multivalued mappings” by B.E. Rhoades, S.L. Singh and Chitra Kulshrestha, Fasciculi Mathematici 47 (2011), 89-94.

32. L. Ciric, B. Samet, H. Aydi and C. Vetro, Common fixed points of generalized contractions on partial metric spaces and an application, Applied Mathematics and Computation 218 (2011), 2398-2406, doi:10.1016/j.amc.2011.07.005

33. H. Aydi, B. Samet and C. Vetro, Coupled fixed point results in cone metric spaces for W-compatible mappings, Fixed Point Theory and Applications 2011 (2011), 15 pages, doi:10.1186/1687-1812-2011-27

34. V. Sihag, R.K. Vats and C. Vetro, Fixed point theorems for (psi, phi)-contractive maps in weak non-archimedean fuzzy metric spaces and application, International Journal of Computer Applications 27 (2) (2011), 23-27, doi:10.5120/3275-4454

35. B. Samet and C. Vetro, Berinde mappings in orbitally complete metric spaces, Chaos, Solitons & Fractals 44 (2011), 1075-1079, doi:10.1016/j.chaos.2011.08.009

36. B. Samet and C. Vetro, A fixed point theorem for uniformly locally contractive mappings in a c-chainable cone rectangular metric space, Surveys in Mathematics and its applications 6 (2011), 107-116.

37. H. Aydi, W. Shatanawi and C. Vetro, On generalized weakly G-contraction mapping in G-metric spaces, Computers and Mathematics with Applications 62 (2011), 4222-4229, doi:10.1016/j.camwa.2011.10.007

38. D. Gopal, M. Imdad, C. Vetro and M. Hasan, Fixed point theory for cyclic weak phi-contraction in fuzzy metric spaces, Journal of Nonlinear Analysis and Application 2012 (2012), Article ID jnaa-00110, 11 pages, doi:10.5899/2012/jnaa-0110

39. B. Samet and C. Vetro, An integral version of Ciric's fixed point theorem, Mediterranean Journal of Mathematics 9 (2012), 225-238, doi:10.1007/s00009-011-0120-1

40. B. Samet, C. Vetro and P. Vetro, Fixed point theorems for alpha-psi-contractive type mappings, Nonlinear Analysis 75 (2012), 2154-2165, doi:10.1016/j.na.2011.10.014

41. B. Damjanovic, B. Samet and C. Vetro, Common fixed point theorems for multi-valued maps, Acta Mathematica Scientia 32 (2) (2012), 818-824, doi:10.1016/S0252-9602(12)60063-0

42. L. Ciric, B. Samet, C. Vetro and M. Abbas, Fixed point results for weak contractive mappings in ordered K-metric spaces, Fixed Point Theory 13 (1) (2012), 59-72.

43. H.K. Nashine, B. Samet and C. Vetro, Fixed point theorems in partially ordered metric spaces and existence results for integral equations, Numerical Functional Analysis and Optimization 33 (11) (2012), 1304-1320, doi:10.1080/01630563.2012.675395

44. H.K. Nashine, B. Samet and C. Vetro, Coupled coincidence points for compatible mappings satisfying mixed monotone property, Journal of Nonlinear Sciences and Applications 5 (2) (2012), 104-114.

45. M. Imdad, D. Gopal and C. Vetro, An addendum to: “A common fixed point theorem in intuitionistic fuzzy metric space using sub-compatible maps”, Bulletin of Mathematical Analysis and Applications 4 (1) (2012), 168-173.

46. U. Mishra, H.K. Nashine, B. Samet and C. Vetro, Semi-compatible and reciprocally continuous maps in weak non-Archimedean Menger PM-spaces, Filomat 26 (4) (2012), 783-792.

47. H. Aydi, E. Karapinar and C. Vetro, Meir-Keeler type contractions for tripled fixed points, Acta Mathematica Scientia 32 (6) (2012), 2119-2130.

48. H. Aydi, M. Abbas and C. Vetro, Partial Hausdorff metric and Nadler’s fixed point theorem on partial metric spaces, Topology and its Applications 159 (14) (2012), 3234-3242, doi:10.1016/j.topol.2012.06.012

49. H. Aydi, C. Vetro, W. Sintunavarat and P. Kumam, Coincidence and fixed points for contractions and cyclical contractions in partial metric spaces, Fixed Point Theory and Applications 2012, 2012:124, doi:10.1186/1687-1812-2012-124

50. M. Jleli, V. Cojbasic Rajic, B. Samet and C. Vetro, Fixed point theorems on ordered metric spaces and applications to nonlinear elastic beam equations, Journal of Fixed Point Theory and Applications 12 (1-2) (2012), 175-192, doi:10.1007/s11784-012-0081-4

51. M.L. Lo Cicero, V. Sihag, R.K. Vats and C. Vetro, JH-Operators and occasionally weakly g-biased pairs in fuzzy symmetric spaces, Journal of Nonlinear Analysis and Application 2013 (2013), Article ID jnaa-00124, 10 pages, doi:10.5899/2013/jnaa-00124

52. P.P. Murthy, U. Mishra, Rashmi and C. Vetro, Generalized (varphi,psi)-weak contractions involving (f,g)-reciprocally continuous maps in fuzzy metric spaces, Annals of Fuzzy Mathematics and Informatics 5 (1) (2013), 45-57.

53. B. Samet, C. Vetro and F. Vetro, Remarks on G-metric spaces, International Journal of Analysis 2013 (2013), Article ID 917158, 6 pages, doi:10.1155/2013/917158

54. B. Samet, C. Vetro and F. Vetro, From metric spaces to partial metric spaces, Fixed Point Theory and Applications 2013, 2013:5, doi: 10.1186/1687-1812-2013-5

55. V. Sihag, R.K. Vats and C. Vetro, A fixed point theorem in G-metric spaces via alpha-series, Quaestiones Mathematicae 37 (3) (2014), 429-434, doi:10.2989/16073606.2013.779604

56. M. Abbas, B. Ali and C. Vetro, A Suzuki type fixed point theorem for a generalized multivalued mapping on partial Hausdorff metric spaces, Topology and its Applications 160 (3) (2013), 553-563, doi:10.1016/j.topol.2013.01.006

57. C. Vetro and F. Vetro, Common fixed points of mappings satisfying implicit relations in partial metric spaces, Journal of Nonlinear

Science and Applications 6 (3) (2013), 152-161.

58. B. Samet, C. Vetro and H. Yazidi, A fixed point theorem for a Meir-Keeler type contraction through rational expression, Journal of Nonlinear Science and Applications 6 (3) (2013), 162-169.

59. J. Ahmad, M. Arshad and C. Vetro, On a theorem of Khan in a generalized metric space, International Journal of Analysis 2013 (2013), Article ID 852727, 6 pages, doi:10.1155/2013/852727.

60. H. Aydi, M. Abbas and C. Vetro, Common fixed points for multivalued generalized contractions on partial metric spaces, Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales. Serie A. Matematicas 108 (2) (2014), 483-501, doi:10.1007/s13398-013-0120-z

61. P. Salimi, C. Vetro and P. Vetro, Fixed point theorems for twisted (alpha,beta)-psi-contractive type mappings and applications, Filomat 27 (4) (2013), 605-615, doi:10.2298/FIL1304605S.

62. S. Manro, S.S. Bhatia, S. Kumar and C. Vetro, A common fixed point theorem for two weakly compatible pairs in G-metric spaces using the property E.A, Fixed Point Theory and Applications 2013, 2013:41, doi:10.1186/1687-1812-2013-41

63. P. Salimi, C. Vetro and P. Vetro, Some new fixed point results in non-Archimedean fuzzy metric spaces, Nonlinear Analysis: Modelling and Control 18 (3) (2013), 344-358.

64. H.K. Nashine, C. Vetro and P. Kumam, Best proximity point theorems for rational proximal contractions, Fixed Point Theory and Applications 2013, 2013:95, doi:10.1186/1687-1812-2013-95

65. C. Vetro, S. Chauhan, E. Karapinar and W. Shatanawi, Fixed points of weakly compatible mappings satisfying generalized varphi-weak contractions, Bulletin of the Malaysian Mathematical Sciences Society 38 (3) (2015), 1085-1105, doi:10.1007/s40840-014-0074-0

66. B. Samet, V. Sihag, R.K. Vats and C. Vetro, Some common fixed point theorems for owc mappings with applications, Dynamic of Continuous, Discrete and Impulsive Systems - Series A: Mathematical Analysis 20 (3) (2013), 285-299.

67. S. Chauhan, M. Imdad and C. Vetro, Unified metrical common fixed point theorems in 2-metric spaces via an implicit relation, Journal of Operators 2013 (2013), Article ID 186910, 11 pages, http://dx.doi.org/10.1155/2013/186910

68. P. Kumam, C. Vetro and F. Vetro, Fixed points for weak alpha-psi-contractions in partial metric spaces, Abstract and Applied Analysis 2013 (2013), Article ID 986028, 9 pages, http://dx.doi.org/10.1155/2013/986028

69. M. Sgroi and C. Vetro, Multi-valued F-contractions and the solution of certain functional and integral equations, Filomat 27 (7) (2013), 1259-1264, doi:10.2298/FIL1307259S

70. M. Jain, N. Gupta, C. Vetro and S. Kumar, Coupled fixed point theorems for symmetric (phi,psi)-weakly contractive mappings in ordered partial metric spaces, Journal of Mathematics and Computer Science 7 (4) (2013), 276-292.

71. I. Beg, C. Vetro, D. Gopal and M. Imdad, (phi,psi)-weak contractions in intuitionistic fuzzy metric spaces, Journal of Intelligent and Fuzzy Systems 26 (5) (2014), 2497-2504, doi:10.3233/IFS-130920

72.S. Chauhan, H. Aydi, W. Shatanawi and C. Vetro, Some integral type fixed point theorems and an application to system of functional equations, Vietnam Journal of Mathematics 42 (1) (2014), 17-37, doi:10.1007/s10013-013.0030-6

73. B.D. Pant, S. Chauhan, J. Vujakovic, M.A. Khan and C. Vetro, A coupled fixed point theorem in fuzzy metric space satisfying phi-contractive condition, Advances in Fuzzy Systems 2013 (2013), Article ID 826596, 9 pages, http://dx.doi.org/10.1155/2013/826596

74. M. Cherichi, B. Samet and C. Vetro, Fixed-point theorems in complete gauge spaces and applications to second-order nonlinear initial-value problems, Journal of Function Spaces and Applications 2013 (2013), Article ID 293101, 8 pages, http://dx.doi.org/

10.1155/2013/293101

75. S. Chauhan, S. Radenovic, M. Imdad and C. Vetro, Some integral type fixed point theorems in non-archimedean menger PM-spaces with common property (E.A) and application of functional equations in dynamic programming, Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales. Serie A. Matematicas 108 (2) (2014), 795-810, doi:10.1007/s13398-013-0142-6

76. H.K. Nashine and C. Vetro, Common best proximity points and global optimal approximate solutions for new types of proximal contractions, Journal of Nonlinear and Convex Analysis 16 (5) 2015, 919-930.

77. M. Imdad, S. Chauhan, Z. Kadelburg and C. Vetro, Fixed point theorems for non-self mappings in symmetric spaces under varphi-weak contractive conditions and an application of functional equations in dynamic programming, Applied Mathematics and Computation 227 (2014), 469-479, http://dx.doi.org/10.1016/j.amc.2013.11.014

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Scientific Committee Member on "International Conference On Nonlinear Modeling & Optimization", Amol, Iran, 27-28 August 2012
Organizing Committee Member on "Mini-Symposium on Real Analysis, Measure Theory and Integration", Palermo, 13 May 2013
Technical Committee Member on "2-nd International Conference on Soft Computing and Computational Mathematics (ICSCCM 2014)", Kuala Lumpur, Malaysia, 14-16 August 2014, www.icsccm.com
Technical Program Committee Member on "The 2015 International Conference on Fuzzy System and Data Mining", Shanghai, China, 12-15 December 2015, www.fsdmconf.org
Organizing Committee Member on "A Day on Nonlinear Differential Problems", Palermo, 29 February 2016
Scientific Committee Member on "3th International Intuitionistic Fuzzy Sets Conference", Mersin, Turkey, 29 August - 01 September 2016, http://iifsc.com
Organizing Committee Member on "A Second Day on Nonlinear Differential Problems", Palermo, 05 September 2016
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Scientific and Organizing Committee Member on "Differential Problems and Related Topics", Palermo, 29 October 2016
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Scientific Committee Member on "MICRADS'18 - The 2018 Multidisciplinary International Conference of Research Applied to Defense and Security", Salinas, Ecuador, 18-20 April 2018, http://micrads.org

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Scientific Committee Member on "ICNODEA 2020 - International Conference on Nonlinear Operators, Differential Equations and Applications", Cluj-Napoca, Romania, 7-11 September 2020, http://www.cs.ubbcluj.ro/~icnodeacj/index.htm
Advisory Committee Member on "ANASC-2020 - International Conference on Applied Nonlinear Analysis and Soft Computing", Gauhati University, India, 22-23 December 2020, sites.google.com/view/anasc2020/home
Scientific Committee Member on "MICRADS'21 - The 2021 Multidisciplinary International Conference of Research Applied to Defense and Security", Cartagena, Colombia 26-28 May 2021, http://micrads.org
Scientific Committee Member on International E-Conference on Mathematical and Statistical Science: A Selcuk Meeting, Faculty of Science of Selçuk University, Selçuk University, Turkey, 20-22 October 2022
Scientific Committee Member on 2nd International E-Conference on Mathematical and Statistical Science: A Selcuk Meeting, Faculty of Science of Selçuk University, Selçuk University, Turkey, 05-07 June 2023
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Recent talks at International Conferences
1. International Conference on "Applied Nonlinear Analysis and Soft Computing", Gauhati University, India, 22-23 December 2020
2. Online Workshop on LaTeX for Scientific Writing, DDE, GJUS&T, Hisar-125001, Haryana, India, March 1-7, 2021 (keynote speaker)
3. 8th European Congress of Mathematics (8ECM) in Topological Methods in Differential Equations (MS - ID 13), Portoroz, Slovenia, 20-26 June 2021 (invited speaker)
4. International Workshop on Nonlinear Analysis and its Applications (IWNAA2021), University of Nis, Serbia, 13-16 October 2021 (plenary speaker)
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6. International Conference on Data Analytics and Computational Techniques (ICDACT2021), VIT Bhopal University, Kothri Kalan, India, 7-9 December 2021 (keynote speaker)
7. 9th International Congress on Fundamental and Applied Sciences 2021 (ICFAS2022) , Fatih Sultan Mehmet Vakıf Üniversity, Istanbul, Turkey, 28-30 June 2022
8. XXVII Congress of Differential Equations and Applications and XVII Congress of Applied Mathematics (XXVII CEDYA/XVII CMA), University of Zaragoza, Zaragoza, Spain, 18-22 July 2022
9. International Workshop on Nonlinear Analysis and its Applications (IWNAA2022), Sakarya University of Applied Sciences & Sakarya University, Sapanca, Sakarya, Turkey, 12-15 October 2022 (plenary speaker)
10. International E-Conference on Mathematical and Statistical Science: A Selcuk Meeting, Faculty of Science of Selçuk University, Selçuk University, Turkey, 20-22 October 2022 (plenary speaker)
11. 2nd International Workshop: Constructive Mathematical Analysis (IWCMA2023), Selçuk University, Konya, Turkey, 06-08 July 2023 (plenary speaker)
12. 2nd International Conference on Recent Trends in Applied Sciences and Computing Engineering (RTASCE-2023), VIT Bhopal. University, Kothrikalan, Sehore Madhhya Pradesh, India, online, 07-09 July 2023 (keynote speaker)
13. 14th International Conference on Fixed Point Theory and its Applications (ICFPTA-2023), Brasov, Romania, 11-14 July 2023 (invited main speaker)
14. International Workshop on Nonlinear Analysis and its Applications (IWNAA2023), Pt. L. M. S. Campus, Sridev Suman Uttarakhand University, Rishikesh (Uttrakhand) India, 14-16 December 2023 (keynote speaker)
15. International Conference on Nonlinear Analysis and Computational Techniques (ICNACT2024), VIT Bhopal University, Kothrikalan, Sehore Madhhya Pradesh, India, online, 08-10 August 2024 (invited speaker)

AMBITI DI RICERCA

Teoria dei punti fissi. Teoria della migliore approssimazione. Analisi funzionale. Programmazione matematica. Teoria degli operatori. Equazioni differenziali ordinarie e alle derivate parziali. Funzioni reali.

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