

Michael Voskoglou

Subjects: Others

Contributor: Michael Voskoglou

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Basic Information



Name: Michael Voskoglou
(May 1949–)

Birth Location: Mytilene, Greece

Title: Scientist

Affiliation: University of Peloponnese, Patras, Greece

Honor: Who is Who in the World

1. Introduction

Michael Gr. Voskoglou received his B.Sc. in Mathematics (1972, Excellent) from the Aristotle University of Thessaloniki, Greece, his M.Sc. in Pure Mathematics (1978) and M.Phil. in Algebra (1980) from the University of Leeds, UK and his Ph.D. (1982, Excellent) from the University of Patras, Greece. His Ph.D. thesis entitled "A Contribution to the Study of Rings" was a research study on derivations and skew polynomial rings.

At the beginning of his career (1972-1987) M. Voskoglou worked as a teacher of mathematics of the Greek public secondary Education in the city of Patras, with a three years break (1976-78) for his postgraduate studies in England under sabbatical from the Greek Ministry of Education and a NATO's fellowship (technical assistance). In 1987 he was elected as a Lecturer at the TEI of Messolonghi, where he became a full Professor of Mathematics and Operations Research at the School of Management and Economics in 1989. Vice president of the Research Committee and Erasmus coordinator (1990 - 1994), Dean of the School of Management and Economics (1995–1997) and Scientific Director of five programs of technological research on applications of quantitative methods to Cooperatives (1989 – 1996).

During the period 1997-2000 Prof. Voskoglou worked as a visiting researcher in the Institute of Mathematics and Informatics of the Bulgarian Academy of Sciences in Sofia. At the end of 2000 he joined as a full Professor of Applied Mathematics the School of Technological Applications of the Graduate TEI of Patras. Head of the Department of Renovation and Restoration of Buildings and Scientific Director of the European Program "Expansion of Tertiary Education" (2001-2005), he became an Emeritus Professor in 2012. The School of Technological Applications of the TEI of Patras, which was renamed later as TEI of Western Greece, has been joined recently with the University of Peloponnese.

Prof. Voskoglou used to be also an instructor at the Hellenic Open University, at the Mathematics Department of the University of Patras and at the Schools of Primary and Secondary In – Service Teachers' Training in Patras. He has lectured as a Visiting Professor in postgraduate courses at the School of Management of the University of Warsaw (2009), at the Department of Operational Mathematics of the University of Applied Sciences in Berlin (2010) and at the Mathematics Department of the National Institute of Technology of Durgapur (2016) under a grant of the GIAN program (Course No. 161021K03) of the Indian Government.

Supervisor of many student dissertations on applications of Mathematics to Management and Engineering and external examiner of Ph.D. dissertations at Universities of Egypt, India and Saudi Arabia. He is the recipient of many scholarships (Greek Institute of National Scholarships, NATO's technical assistance, GIAN-India, etc.), distinctions (Who is Who in the World, Who is Who in America, Men of Achievement, Board of Advisors of the American Biographical Institute, etc.) and honorary awards (appreciation plaques from the Egyptian Computer Society, Ain Shams University, Cairo, National Institute of Technology of Durgapur, India, Einstein Award of the International Biographical Centre, Cambridge, UK, etc.). Prof. Voskoglou is also a member of several scientific associations (AMS, HMS, ICTMA, IETI, etc.).

Member of Editorial Boards

Prof. Voskoglou is the Editor in Chief of the journal "Design, Construction and Maintenance", ISSN 2944-912X, Reviewer of the American Mathematical Society (No 60147), Associate Editor of the "Journal of Interdisciplinary Mathematics" (Taylor & Francis), Editor of the MDPI journals "Mathematics" and EJIHPE and member of the Editorial Board or Reviewer of many other scientific journals . He was also the publisher and Editor in Chief of the "International Journal of Applications of Fuzzy Sets and Artificial Intelligence", ISSN 2241-1240 (2011 - 2020)..

Related Links

<http://orcid.org/0000-0002-4727-0089>:

scopus.com/authid/detail.uri?authorId=35423102000

<https://www.webofscience.com/wos/author/record/942055>

<https://scholar.google.com/citations?user=9K3F9GkAAAAJ>

<https://www.amazon.com/author/michaelvoskoglou>

http://arxiv.org/a/voskoglou_m_1

sciprofiles.com/profile/mvoskoglou

2. Publications

Dissertations (3)

1. COMPLETIONS AND PROPERTIES OF COMPLETE LOCAL RINGS, M. Sc. Dissertation, University of Leeds, UK, 1978.
2. DERIVATIONS AND SKEW POLYNOMIAL RINGS, M. Phil. Thesis, University of Leeds, UK, 1980.
3. CONTRIBUTION TO THE STUDY OF RING THEORY, Ph.D. Thesis, University of Patras, Department of Mathematics, 1982 (in Greek).

Authored Books (11)

4. ELEMENTARY MATHEMATICS UNDER CONTEMPORARY SCOPE, Self-Edition, Patras, Greece, 1984. (in Greek)
5. MATHEMATICS FOR THE SECTOR OF MANAGEMENT AND ECONOMICS, Macedonian Publ.- ION, Athens, Greece , 3d. Ed., 2001, I SBN 960-319-154-X (in Greek).
6. APPLIED MATHEMATICS), Macedonian Publ. - ION, Athens, Greece, 2nd Ed, 2004, ISBN 960-319-258-9 (in Greek)
7. ANALYTIC GEOMETRY), Self-Edition, Patras, Greece, 2004, ISBN 960-92460-0-1 (in Greek)
8. MATHEMATICS, Self-Edition, Patras Greece, 3d Ed., 2009, ISBN 960-92460-1-X (in Greek)
9. TOPICS FROM OPERATIONS' RESEARCH), Self-Edition, Patras, Greece, 2007, ISBN 960-92460-2-8 (in Greek)
10. INTRODUCTION TO OPERATIONS' RESEARCH, Gotsis Publ., Patras, Greece, 2010, ISBN 978-960-9427-05-0 (in Greek).
11. STOCHASTIC AND FUZZY MODELS IN MATHEMATICS EDUCATION, ARTIFICIAL INTELLIGENCE AND MANAGEMENT, Lambert Academic Publishing, Saarbrücken, Germany, 2011, ISBN 978-3-8465-2821-1.
12. ADVANCED MATHEMATICS FOR ENGINEERS AND ECONOMISTS, Self-Edition, Patras, Greece, 2012, ISBN 978-960-92460-3-3
13. FINITE MARKOV CHAINS AND FUZZY MODELS IN MANAGEMENT AND EDUCATION, GIAN Program (Course No. 161021K03) , National Institute of Technology, Durgapur, India, 2016
14. FINITE MARKOV CHAIN AND FUZZY LOGIC ASSESSMENT MODELS; EMERGING RESEARCH AND OPPORTUNITIES, Create Space Independent Publishing Platform (Amazon), Columbia, SC, USA, 2017 (ISBN: 978-1548340070)

Edited Books (4)

15. PROCEEDINGS OF THE 7TH IEEE INT. CONF. ON INTELLIGENT COMPUTING AND INFORMATION SCIENCE (ICICIS 2015), Vol. 3, M Roushdy, M. Voskoglou, et al. (Eds.), Ain Shams University, Cairo, Egypt, 2015, ISBN: 977-237-172-3.
16. AN ESSENTIAL GUIDE TO FUZZY SYSTEMS, M. Voskoglou (Ed.), Nova Publishers, N.Y., 2019, ISBN: 9787-1536161281
17. FUZZY SETS, FUZZY LOGIC AND THEIR APPLICATIONS, M. Voskoglou (Ed.), MDPI, Basel, Beijing, Wuhan, Barcelona, Belgrade, Manchester, Tokyo, Cluj, Tiaqjin, 2020, ISBN: 978-3-03928-520-4
18. FUZZY SETS, FUZZY LOGIC AND THEIR APPLICATIONS 2020, Voskoglou (Ed.), MDPI, Basel, Beijing, Wuhan, Barcelona, Belgrade, Manchester, Tokyo, Cluj, Tiaqjin, 2021, ISBN: 978-3-0365-2007-0

Papers in English (374)

19. SIMPLE SKEW POLYNOMIAL RINGS, Publ. Inst. Math. (Beograd), 37(51), 37-41, 1985.
20. EXTENDING DERIVATIONS AND ENDOMORPHISMS TO SKEW POLYNOMIAL RINGS, Publ. Inst. Math. (Beograd), 39(53), 79-82, 1986.
21. SIMPLE SKEW LAURENT POLYNOMIAL RINGS, Bolletino U.M.I., (7), 1-A, 255-260, 1987.
22. PRIME IDEALS OF SKEW POLYNOMIAL RINGS, Riv. Mat. Univ. Parma (4), 15, 17-25, 1989.
23. SEMIPRIME IDEALS OF SKEW POLYNOMIAL RINGS, Publ. Inst. Math. (Beograd), 47(61), 33-38, 1990.
24. PRIME AND SEMIPRIME IDEALS OF SKEW POLYNOMIAL RINGS OVER COMMUTATIVE RINGS, Doga – Tr. J. Mathematics, 15, 1-7, 1991.
25. PRIME AND SEMIPRIME IDEALS OF SKEW LAURENT POLYNOMIAL RINGS, Riv. Mat. Univ. Parma (4), 17, 211-215, 1991.
26. A MARKOV CHAIN MODEL IN PROBLEM SOLVING (with S. C. Perdikaris), Int. J. Math. Educ. Sci. Technol., Vol. 22, No 6, 909-914, 1991.
27. A NOTE ON DIFFERENTIAL IDEALS OF A COMMUTATIVE RING, Richerche di Matematica, Vol. XIII, fasc. 1^o, 145-148, 1993.
28. A NOTE ON THE G_2 OF THE WEIL ALGEBRA, Math. Mondisnigri, Vol. II, 107-111, 1993.
29. MEASURING PROBLEM SOLVING SKILLS (with S. C. Perdikaris) Int. J. Math. Educ. Sci. Technol., Vol. 24, No 3, 443-447, 1993.
30. A NOTE ON SKEW POLYNOMIAL RINGS, Publ. Inst. Math. (Beograd), 55(69), 23-28, 1994.
31. ON A PROPERTY OF IDEALS OF A SKEW POLYNOMIAL RING, Math. Montisnigri, Vol. III, 95-100, 1994.
32. PRINCIPAL IDEALS IN SKEW POLYNOMIAL RINGS (with M. Sapanci), Bulletin Greek Math. Soc., 36, 133-137, 1994.
33. HEURISTICS IN PROBLEM SOLVING: A TRAVEL FROM POLYA TO NOWADAYS, Mathematics and Informatics, 4 (1994), 16-22 (translated in the Bulgarian language).
34. PROBABILITY IN PROBLEM SOLVING (with S. C. Perdikaris) Int. J. Math. Educ. Sci. Technol., Vol. 25, No 3, 419-422, 1994.
35. AN APPLICATION OF MARKOV CHAIN TO THE PROCESS OF MODELLING, Int. J. Math. Educ. Sci. Technol., Vol. 25, No 4, 475-480, 1994.
36. A NOTE ON D-SIMPLE ALGEBRAS, Appl. Res. Rev. (J. T.E.I. of Piraeus), Vol. II, 123-127, 1995.
37. MEASURING MATHEMATICAL MODEL BUILDING ABILITIES, Int. J. Math. Educ. Sci. Technol., Vol. 26, 29-35, 1995.
38. USE OF ABSORBING MARKOV CHAINS TO DESCRIBE THE PROCESS OF MATHEMATICAL MODELLING: A CLASSROOM EXPERIMENT, Int. J. Math. Educ. Sci. Technol., Vol. 26, 759-763, 1995.
39. USE OF MARKOV CHAINS TO DESCRIBE THE PROCESS OF LEARNING, Theta: A Journal of Mathematics, Manchester Metropolitan University, Vol. 10, No 1, 36-40, 1996.
40. USE OF ABSORBING MARKOV CHAINS AS A MEASUREMENT MODEL FOR THE PROCESS OF ANALOGICAL TRANSFER, Int. J. Math. Educ. Sci. Technol., Vol. 27, 197-205, 1996.
41. AN APPLICATION OF ERGODIC MARKOV CHAINS TO ANALOGICAL PROBLEM SOLVING, The Mathematics Education (India), Vol. XXX, No 2, 95-108, 1996.
42. F-SIMPLE SKEW POLYNOMIAL RINGS, Bulletin of the Greek Math. Soc., 38, 127-136, 1996.
43. SOME REMARKS OF THE USE OF REDISCOVERY IN THE TEACHING OF MATHEMATICS, Proceedings of the 1st Mediterranean Conference on Mathematics Education, 124-128, Nicosia, Cyprus, 1997.
44. A REVIEW OF AN APPLICATION OF ERGODIC MARKOV CHAINS IN THE PROCESS OF MATHEMATICAL MODELLING, Proceedings 3^d Panhellenic Conference in Didactics of Mathematics and Informatics, 528-533, Patras, Greece, 1997.
45. APPLICATION OF MARKOV CHAINS TO PROBLEM SOLVING AND LEARNING MATHEMATICS, Heuristics and Didactics of Exact Sciences 8, 4-10, Ukraine 1997.

46. UNIMODULAR GROUPS OVER POLYNOMIAL RINGS, Appl. Res. Rev. (J. T.E.I. of Piraeus), Vol. IV, 47-52, 1999.
47. A NOTE ON IDEALS IN SKEW POLYNOMIAL RINGS (with M. Sapanci), Appl. Res. Rev. (J. T.E.I. of Piraeus), Vol. IV, 53-57, 1999.
48. AUTOMORPHISMS AND F-SIMPLICITY IN SKEW POLYNOMIAL RINGS, Italian J. of Pure and Applied Maths., No 5, 139-147, 1999.
49. THE NUMBER Π : A HISTORY OF 22 CENTURIES, Mathematics and Informatics Quarterly, (Singapore) 9(2), 61-63, 1999.
50. AN APPLICATION OF FUZZY SETS TO THE PROCESS OF LEARNING, Heuristics and Didactics of Exact Sciences, 10, 9-13, 1999
51. (σ, τ) -JORDAN DERIVATIONS ON PRIME RINGS, (with M. Sapanci), Appl. Res. Rev. (J. T.E.I. of Piraeus), Vol. V, No 1, 45 – 49, 2000.
52. THE PROCESS OF LEARNING MATHEMATICS: A FUZZY SET APPROACH, Millenium – Revista do I.S.P.V. (Portugal), 17, 272-279, 2000
53. AN APPLICATION OF MARKOV CHAINS TO DECISION MAKING, Studia Kupieckie (Lodz-Poland), (6), 69-76, 2000.
54. USE OF THE FUZZY SETS THEORY TO DESCRIBE THE PROCESS OF LEARNING MATHEMATICS, Didactics of Mathematics: Problems and Investigations (Ukraine), 3(13), 6-7, 2000.
55. SOLVING PROBLEMS BY ANALOGY, Didactics of Mathematics: Problems and Investigations (Ukraine), 3(13), 18-19, 2000.
56. A MARKOV CHAIN MODEL IN DECISION MAKING, Millenium – Revista do I.S.P.V. (Portugal), 20, 292 – 297, 2000.
57. DIFFERENTIAL SIMPLICITY AND DIMENSION OF A COMMUTATIVE RING, Riv. Mat. Univ. Parma (6), 4, 111 – 119, 2001.
58. THE PROBLEM OF TANGENCIES OF APOLLONIUS, Mathematics and Informatics Quarterly (Singapore), 11(1), 8-10, 2001.
59. REDISCOVERY IN MATHEMATICS: A MEASUREMENT MODEL, Didactics of Mathematics, 17, 26-32, Ukraine, 2002.
60. ANALOGICAL PROBLEM SOLVING AND TRANSFER. In Gagatsis, A. and Papastavridis, S. (Eds), Mathematics in the Modern World, Didactics, Life and Society, 295-303, Hellenic Math. Soc., Athens, 2003.
61. APPLICATIONS OF FUZZY SETS TO PROBLEMS OF COMMERCIAL ENTERPRISES, Proceed. 1st Conf. on Quantitative Methods in Industry and Commerce, 654-659, T.E.I. of Athens, 2003.
62. THE 10 DIFFERENT CASES OF THE PROBLEM OF THE TANGENCIES, Mathematics and Informatics Quarterly (Singapore), 13(3), 51-54, 2003 .
63. THE MATHEMATICAL EDUCATION IN GREECE NOWADAYS. In Makrides, Gr., Gagatsis, A. and Nicolaou, K. (Eds), Linking Science, Mathematics and Technology Education and their Social Relevance, 161-167, Cyprus Mathematical Society, 2004.
64. A NOTE ON THE SIMPLICITY OF SKEW POLYNOMIAL RINGS OF DERIVATION TYPE, Acta Math. Inf. Univ. Ostraviensis (Czech Republic), 12, 61-64, 2004
65. DERIVATIONS ON COORDINATE RINGS OF SMOOTH VARIETIES, Math. Montisnigri, Vol. XVI, 95-102, 2004.
66. MATHEMATICS AND CONSTRUCTIONS, Proceedings 4th Mediterranean Conference on Mathematics Education, 609-617, Palermo, Italy, 2005.
67. THE APPLICATION – ORIENTATED TEACHING OF MATHEMATICS, Proceedings International Conference on Mathematics Education, 85 – 90, Svishtov, Bulgaria, 2005.
68. THE USE OF MATHEMATICAL MODELLING AS A TOOL FOR LEARNING MATHEMATICS, Quaderni di Ricerca in Didattica (Scienze Matematiche), Univ. of Palermo, 16, 53-60, 2006.
69. THE IMPORTANCE OF MATHEMATICS FOR THE DESIGN SCIENCES, Proceedings CIEAEM 58, 134-140, Srni, Czech Republic, 2006.
70. GEOMETRIC EXAMPLES OF DIFFERENTIALLY SIMPLE RINGS, Appl. Res. Rev. (J. T.E.I. of Piraeus), Vol. XI, No. 1, 136-140, 2006.
71. A STOCHASTIC MODEL FOR THE MODELLING PROCESS, In “Mathematical Modelling: Education, Engineering and Economics”, C. Chaines, P. Galbraith, W. Blum & s. Khan (Eds), Horwood Publ.. Chichester, 149-157, 2007
72. FORMALISM AND INTUITION IN MATHEMATICS : THE ROLE OF THE PROBLEM, Quaderni di Ricerca in Didattica (Scienze Matematiche), Univ. of Palermo, 17, 113-120, 2007
73. THE PROBLEM AS A LEARNING DEVICE OF MATHEMATICS. In Avgerinos, P. and Gagatsis, A. (Eds), Current Trends in Mathematics Education, 223-232, New Technologies Publications, Athens, 2007.
74. THE ROLE OF THE TEACHER FOR THE LEARNING OF MATHEMATICS (workshop), Proceedings CIEAEM 59, 278-283, Dobogoko, Hungary, 2007.
75. WHAT IS THE ROLE OF MATHEMATICS FOR THE DESIGN SCIENCES: A GENERAL PROBLEM ILLUSTRATED BY EXAMPLES FROM GREECE, In Salett Biembengut, M. and Vera W. de Spinadel (Eds): Mathematics and Design, 334-341, Blumenau, Brazil, 2007.

76. PROBLEM SOLVING IN MATHEMATICS EDUCATION: RECENT TRENDS AND DEVELOPMENT, Quaderni di Ricerca in Didattica (Scienze Matematiche), Univ. of Palermo, 18, 22-28, 2008.
77. CASE-BASED REASONING: A RECENT THEORY FOR PROBLEM-SOLVING AND LEARNING IN COMPUTERS AND PEOPLE, Communications in Computer and Information Science, 19, 314-319, Springer-Verlag, 2008.
78. FUZZY LOGIC IN THE PROCESS OF LEARNING. In Gagatsis, A. (Ed.): Research in Mathematics Education, 275-284, University of Cyprus, Nicosia, 2008.
79. THE MATHEMATICS TEACHER IN THE MODERN SOCIETY, Quaderni di Ricerca in Didattica (Scienze Matematiche), Univ. of Palermo, 19, 24-30, 2009.
80. FUZZINESS OR PROBABILITY IN THE PROCESS OF LEARNING: A GENERAL QUESTION ILLUSTRATED BY EXAMPLES FROM TEACHING MATHEMATICS, The Journal of Fuzzy Mathematics, 17(3), 679-686, International Fuzzy Mathematics Institute (Los Angeles), 2009
81. A STOCHASTIC MODEL FOR THE PROCESS OF LEARNING. In L., Paditz & A., Rogerson (Eds): Models in Developing Mathematics Education, 565-569, Dresden, Germany, 2009.
82. TEACHING MATHEMATICS IN HIGHER TECHNOLOGICAL EDUCATION: THE SITUATION IN GREECE, Proceedings 6th Mediterranean Conference on Mathematics Education, 333-442, Plovdiv, Bulgaria, 2009.
83. APPLICATIONS OF MARKOV CHAINS TO BUSINESS PROBLEMS, Proceedings 2nd International Conference on Quantitative and Qualitative Methodologies in the Economic and Administrative Sciences, 528-535, T. E. I. of Athens, 2009.
84. COMBINING CASE-BASED WITH FUZZY REASONING IN COMMERCIAL PROBLEMS, Proceedings of 2nd International Conference on Quantitative and Qualitative Methodologies in the Economic and Administrative Sciences, 536-543, E.I. of Athens, 2009.
85. FUZZY SETS IN CASE-BASED REASONING, Fuzzy Systems and Knowledge Discovery, Vol.6 , 252-256, IEEE Computer Society, 2009.
86. TRANSITION ACROSS LEVELS IN THE PROCESS OF LEARNING: A FUZZY MODEL, International Journal of Modelling and Application (Univ. Blumenau, Brazil), 1, 37-44, 2009
87. THE IMPORTANCE OF MATHEMATICS FOR THE DESIGN SCIENCES, Quaderni di Ricerca in Didattica (Scienze Matematiche), Univ. of Palermo, 19(Supplemento no 3), 27- 33, 2009.
88. MATHEMATIZING THE PROCESS OF LEARNING A SUBJECT MATTER IN THE CLASSROOM, HMS International Journal for Mathematics in Education, 2, 75-93, 2009 -2010.
89. MEASURING THE EFFICIENCY OF A CBR SYSTEM, Applied Research Review (Journal T. E. I. of Piraeus), Vol.XIV, No 1, 59-68, 2010.
90. COMBINING CASE-BASED AND FUZZY REASONING IN PROBLEM SOLVING, Quaderni di Ricerca in Didattica (Scienze Matematiche), Univ. of Palermo, 20, 31-39,
91. A FUZZY MODEL FOR THE MODELLING PROCESS. In Munteanu, V. et al (Eds.): Recent Advances in Fuzzy Systems, 44-49, WSEAS Press, Iasi, Romania, 2010.
92. A FUZZY REPRESENTATION OF CBR SYSTEMS. In Mastorakis, N. E. et al. (Eds.): Latest Advances on Systems, Vol. 1, 48-53, WSEAS Press, Corfu Island, Greece, 2010.
93. A FUZZY SYSTEMS FRAMEWORK FOR SOLVING REAL WORLD PROBLEMS, Transactions on Systems (WSEAS), 9(6), 875-884, 2010.
94. USE OF THE TOTAL POSSIBILISTIC UNCERTAINTY AS A MEASURE OF STUDENTS MODELLING CAPACITIES, J.Math. Educ. Sci. Technol., Vol. 41, No 8, 1051-1060, 2010.
95. A NOTE OF DERIVATIONS OF COMMUTATIVE RINGS. In Mastorakis, N. et al. (Eds.): Recent Researches in Applied Mathematics, 73-78, WSEAS Press, Vouliagmeni, Athens, 2010.
96. A STOCHASTIC MODEL FOR CASE-BASED REASONING, International Journal of Modelling and Application (Univ. Blumenau, Brazil), 3, 33-39, 2010.
97. PROBLEM-SOLVING AS A COMPONENT OF THE CONSTRUCTIVIST VIEW OF LEARNING, Journal of Education Research (Nova Publ., N. Y.), Vol. 4, Issue 2, 93-112, 2010.
98. CASE-BASED REASONING: HISTORY, METHODOLOGY AND DEVELOPMENT TRENDS. In Leeland, A. M. (Ed.): Case-Based Reasoning: Processes, Suitability and Applications, Chapter 3, 59-76, Nova Publishers, N. Y., 2011.
99. MATHEMATIZING THE CASE-BASED REASONING PROCESS. In Leeland, A.M. (Ed.): Case-Based Reasoning: Processes, Suitability and Applications, Chapter 6, 113-128, Nova Publishers, N. Y., 2011.
100. COMMENTARY: FUZZY SETS IN CASE-BASED REASONING. In Leeland, A. M. (Ed.): Case-Based Reasoning: Processes, Suitability and Applications, p.163, Nova Publishers, N. Y , 2011.
101. PROBLEM-SOLVING FROM POLYA TO NOWADAYS: A REVIEW AND FUTURE PERSPECTIVES. In Nata, R. V. (Ed.), Progress in Education, Vol. 22, Chapter 4, 65-82, Nova Publishers, N. Y, 2011.
102. CBR: A THEORY OF LEARNING THROUGH PROBLEM-SOLVING, International Journal of Psychology Research (Nova Publ., N. Y.), Vol.6, Issue 5, 505-530, 2011.

103. A STUDY ON THE COMPREHENSION OF IRRATIONAL NUMBERS (with G. Kosyvas), Quaderni di Ricerca in Didattica (Scienze Matematiche), Univ. of Palermo, 127- 141, 2011.
104. DERIVATIONS AND ITERATED SKEW POLYNOMIAL RINGS, International Journal of Applied Mathematics and Informatics (NAUN Publications), Issue 2, Vol. 5, 82- 90,
105. MATHEMATICAL MODELLING IN CLASSROOM: THE IMPORTANCE OF VALIDATION OF THE CONSTRUCTED MODEL, MEC 21, Proceedings of the 11th International Conference, 352-357, Rhodes University, Grahamstown, South Africa, 2011
106. MATHEMATICAL MODELS FOR THE PROBLEM-SOLVING PROCESS, HMS International Journal for Mathematics in Education, 3, 25-44,
107. MEASURING STUDENTS MODELLING CAPACITIES: A FUZZY APPROACH, Iranian Journal of Fuzzy Systems, 8(3), 23-33, 2011.
108. CASE-BASED REASONING: A REVIEW. In A. Columbus (Ed.), Advances in Psychology Research, Nova Publishers, Y.), Vol. 84, Chapter 2, 19-36, 2011
109. EDITORIAL International Journal of Applications of Fuzzy Sets and Artificial Intelligence, 1, 3-4, 2011.
110. APPLICATIONS OF FUZZY LOGIC TO CASE-BASED REASONING (with I. Subbotin), International Journal of Applications of Fuzzy Sets and Artificial Intelligence, 1, 7-18, 2011.
111. FUZZY LOGIC AND UNCERTAINTY IN MATHEMATICS EDUCATION, International Journal of Applications of Fuzzy Sets and Artificial Intelligence, 1, 45-64, 2011.
112. CBR AND PROBLEM SOLVING, Psychology Research Biographical Sketches and Research Summaries, pp. 987, Nova Publishers, 2011
113. A FUZZY MODEL FOR ANALOGICAL PROBLEM SOLVING, International Journal of Fuzzy Logic Systems, 2(1), 1-10, 2012
114. FUZZY MODELS FOR ANALOGICAL REASONING (with I. Subbotin), International Journal of Applications of Fuzzy Sets and Artificial Intelligence, 2, 19-38, 2012.
115. FUZZY LOGIC AND UNCERTAINTY IN PROBLEM-SOLVING, Journal of Mathematical Sciences and Mathematics Education, 7(1), 34-49, 2012
116. FUZZY MEASURES FOR STUDENTS MATHEMATICAL MODELLING SKILLS, International Journal of Fuzzy Logic Systems, 2(2), 13-26, 2012.
117. SOME COMMENTS ON TEACHING THE DECIMAL REPRESENTATIONS OF REAL NUMBERS AT SCHOOL, Didactics of Mathematics: Problems and Investigations (Ukraine), 37, 99-102, 2012.
118. FUZZY MEASURES FOR STUDENTS' ANALOGICAL REASONING SKILLS (with I. Subbotin), Proceedings of International Web Conference on Mathematics and its Applications, 219-220, Donetsk, Ukraine, 2012.
119. FUZZY LOGIC AND UNCERTAINTY IN PROBLEM SOLVING, Proceedings of International Web Conference on Mathematics and its Applications, 303-305, Donetsk, Ukraine, 2012
120. REPRESENTING A SYSTEM IN TERMS OF FUZZY LOGIC, In Y. E. Balas and M. Koskal (Eds.): Recent Researches in Circuits and Systems (WSEAS Publications), 213-218, 2012
121. FUZZY MEASURES FOR A SYSTEM'S PERFORMANCE, In Y. E. Balas and M. Koskal (Eds.): Recent Researches in Circuits and Systems (WSEAS Publications), 394-399, 2012
122. AN APPLICATION OF THE "CENTROID" METHOD IN MEASURING A SYSTEM'S EFFECTIVENESS, In Y. E. Balas and M. Koskal (Eds.): Recent Researches in Circuits and Systems (WSEAS Publications), 467-471, 2012
123. RECENT RESEARCH ON PROBLEM-SOLVING. In Baswell, A. R. (Ed.): Advances in Mathematics Research, Vol.12, Chapter 1, 1-18, Nova Publishers, N. Y., 2012
124. A FUZZY MODEL FOR PROBLEM-SOLVING, Turkish Journal of Fuzzy Systems, 3(1), 1-15, 2012.
125. MATHEMATIZING THE PROCESS OF ANALOGICAL PROBLEM SOLVING, International Journal of Modelling and Application (Univ. Blumenau, Brazil), 7, 58-69, 2012.
126. A STUDY ON FUZZY SYSTEMS, American Journal of Computational and Applied Mathematics, 2(5), 232-240, 2012
127. AN APPLICATION OF FUZZY LOGIC TO COMPUTATIONAL THINKING, Annals of Pure and Applied Mathematics, 2(1), 18-32, 2012.
128. ANALYZING STUDENTS DIFFICULTIES IN UNDERSTANDING REAL NUMBERS, Journal for Research in Mathematics Education, 1(3), 301-335, 2012.
129. A FUZZY MODEL FOR HUMAN REASONING, International Journal of Mathematics and Engineering with Computers, 3(2), 61-71, 2012
130. PROBLEM SOLVING AND COMPUTERS IN A LEARNING ENVIRONMENT (with S. Buckley), Egyptian Computer Science Journal, 36 (4), 28-46, 2012
131. CASE-BASED REASONING IN COMPUTERS AND HUMAN COGNITION: A MATHEMATICAL FRAMEWORK, International Journal of Machine Intelligence and Sensory Signal Processing, Inderscience Publishers, 1, 3-22, 2013

132. PROBLEM-SOLVING, In Mantano, B. & Chacon, A. (Eds.), Education Research: Challenges, Training Techniques and Improvements, Chapter 8, 91-110, Nova Publishers, N.Y., 2013
 133. PROBLEM SOLVING, FUZZY LOGIC AND COMPUTATIONAL THINKING, Egyptian Computer Science Journal, 37(1), 131-145, 2013.
 134. ASSESSING STUDENTS INDIVIDUAL PROBLEM SOLVING SKILLS: A FUZZY FRAMEWORK, International Journal of Applications of Fuzzy Sets and Artificial Intelligence, 3, 39-49, 2013
 135. AN APPLICATION OF THE APOS/ACE APPROACH IN TEACHING THE IRRATIONAL NUMBERS, Journal of Mathematical Sciences and Mathematics Education, 8(1), 30-47, 2013
 136. A STOCHASTIC MODEL FOR ANALOGICAL PROBLEM SOLVING, in G. Mircea & S. Wibovo, Recent Advances in Finite Differences and Applications and Computational Mathematics, 29-34, WSEAS Editions, Athens 2013
 137. FUZZY MEASURES OF STUDENTS MATHEMATICAL MODELLING SKILLS, (with. A.- B. Salem), Egyptian Computer Science Journal, 37(3), 2013
 138. AN APPLICATION OF FUZZY SETS TO SCIENTIFIC THINKING, ICIT 13, Jordan, 2013, available at <http://sce.juj.edu.jo/icit13/images/camera%20Ready/Artificial%20Intelligence/638-math.pdf>
 139. FUZZY MEASURES OF A SYSTEM'S EFFECTIVENESS – AN APPLICATION TO PROBLEM SOLVING, Transactions on Mathematics (WSEAS), 12(4), 459-471, 2013.
 140. APPLICATIONS OF THE CBR METHODOLOGY TO MEDICINE (with. - B. Salem), Egyptian Computer Science Journal, 37(7), 68-77, 2013
 141. ANALOGICAL REASONING AND TRANSFER: A FUZZY FRAMEWORK, in G. Mircea & S. Wibovo, Recent Advances in Finite Differences and Applications and Computational Mathematics, 35-40, WSEAS Editions, Athens, 2013
- FUZZY METHODS FOR ASSESSING STUDENTS ANALOGICAL REASONING SKILLS, in G. Mircea & S. Wibovo, Recent Advances in Finite Differences and Applications and Computational Mathematics, 45-50, WSEAS Editions, Athens 2013
 - AN APPLICATION OF FUZZY LOGIC IN MEASURING A SYSTEM'S EFFECTIVENESS, International Journal of Industrial Mathematics, 592), 97-108, 2013
 - APPLICATION OF FUZZY LOGIC TO SYSTEMS MODELLING, International Journal of Fuzzy Systems Applications, 3(2), 1-15, 2013
 - FUZZY LOGIC AS A TOOL FOR ASSESSING STUDENTS KNOWLEDGE AND SKILLS, Education Sciences, 3, 208-211, 2013
 - ASSESSING STUDENTS LEARNING SKILLS: A FUZZY FRAMEWORK, Fuzzy Sets, Rough Sets and Multi-valued Operations and Applications, 5(2), 115-124, 2013
 - APPLICATION OF THE CENTROID TECHNIQUE FOR MEASURING LEARNING SKILLS, Journal of Mathematical Sciences and Mathematics Education, 8(2), 34-43, 2013
 - DEALING WITH THE FUZZINESS OF HUMAN REASONING (with I. Subbotin), International Journal of Applications of Fuzzy Sets and Artificial Intelligence, 3, 91-106, 2013
 - FUZZY LOGIC IN HUMAN REASONING, Bulletin of Electrical Engineering and Informatics (Indonesia), 2(2), 158-166, 2013
 - APPLICATIONS OF FUZZY SETS ON GENERAL STATE SPACES, ICTMA Newsletter, 6(1), p. 11, 2013
 - USE OF FUZZY LOGIC IN STUDENTS ASSESSMENT, HMS International Journal for Mathematics in Education, 5, 145-160, 2013
 - FUZZY LOGIC: A NEW POWERFUL TOOL FOR MATHEMATICAL MODELLING AND APPLICATIONS, ICTMA Newsletter, 6(2), p. 7, 2013
 - PROBABILITY AND FUZZY LOGIC IN ANALOGICAL REASONING, Journal of Physical Sciences (Vidyasagar University, India), 17, 11-31, 2013
 - PROBLEM SOLVING, in T. B. Stephens & J. E. Duncan (Eds.): Education research Summaries, 173-176, Nova Publishers, N. Y., 2013
 - REMARKS ON AND EXAMPLES OF MATHEMATICAL MODELLING PROBLEMS, ICTMA Newsletter, 7(1), 11-13, 2014
 - PROBABILITY AND FUZZINESS IN DECISION MAKING, Egyptian Computer Science Journal, 38(3), 86-99, 2014
 - ANALOGY BASED AND CASE BASED REASONING: TWO SIDES OF THE SAME COIN (with A.-B. Salem), International Journal of Applications of Fuzzy Sets and Artificial Intelligence, 4, 5-51, 2014
 - MEASURING THE UNCERTAINTY OF HUMAN REASONING, American Journal of Applied Mathematics and Statistics, 2(1), 1-6, 2014
 - ASSESSING THE PLAYERS PERFORMANCE IN THE GAME OF BRIDGE, American Journal of Applied Mathematics and Statistics, 2(3), 115-120, 2014

- LANGUAGE, MATHEMATICS AND CRITICAL THINKING: THE CROSS INFLUENCE AND CROSS ENRICHMENT (with I. Subbotin), Didactics of Mathematics: Problems and Investigations (Donetsk University, Ukraine), 41, 89-94, 2014
- A TRIANGULAR FUZZY MODEL FOR ASSESSING CRITICAL THINKING SKILLS (with I. Subbotin), International Journal of Applications of Fuzzy Sets and Artificial Intelligence, 4, 173-186, 2014
- FUZZY LOGIC AS A TOOL IN ASSESSING THE BRIDGE PLAYERS PERFORMANCE, International Journal of Advances in Applied Mathematics and Mechanics, 2(1), 134-142, 2014
- A TRIANGULAR FUZZY MODEL FOR ASSESSING PROBLEM SOLVING SKILLS, Annals of Pure and Applied Mathematics, 7(1), 53-58, 2014
- A FUZZY MODEL FOR ASSESSMENT PROCESSES, International Journal of Mathematical Modelling and Computations, 4(3), 201-212, 2014
- A TRIANGULAR FUZZY MODEL FOR DECISION MAKING, American Journal of Computational and Applied Mathematics, 496), 195-201, 2014
- A TRAPEZOIDAL FUZZY METHOD FOR ASSESSING STUDENTS MATHEMATICAL MODELLING SKILLS, American Journal of Educational Research, 2(12), 1144-1150, 2014
- FUZZY ASSESSMENT METHODS (with I. Subbotin), Universal Journal of Applied Mathematics, 2(9), 305-314, 2014
- SOLVING PROBLEMS WITH THE HELP OF COMPUTERS: A FUZZY LOGIC APPROACH, International Journal of Advances in Applied Mathematics and Mechanics, 2(2), 62-71, 2014
- A NEW FUZZY METHOD FOR ASSESSING HUMAN SKILLS, Progress in Nonlinear Dynamics and Chaos, 2(2), 71-80, 2014
- FUZZY MODELS FOR LEARNING ASSESSMENT (with I. Subbotin), Turkish Journal of Fuzzy Systems, 5(2), 100-113, 2014
- THE APOS/ACE INSTRUCTIONAL TREATMENT FOR MATHEMATICS: A FUZZY APPROACH, HMS International Journal for Mathematics in Education, 6, 120-141, 2014
- RECENT RESEARCH ADVANCES IN PROBLEM SOLVING, International Journal of Mathematics, Game Theory and Algebra, 21(2-3), 2014
- FUZZY MODELS FOR ASSESSING FACULTY EVALUATIONS (with I. Subbotin), International Journal of Applications of Fuzzy Sets and Artificial Intelligence, 5, 5-22, 2015
- APPLICATION OF THE TRIANGULAR FUZZY ASSESSMENT MODEL TO ASSESSMENT OF ANALOGICAL REASONING SKILLS (with I. Subbotin), American Journal of Applied Mathematics and Statistics, 3(1), 1-6, 2015
- AN APPLICATION OF FUZZY SETS FOR STUDYING THE INFLUENCE OF COMPUTATIONAL THINKING IN LEARNING MATHEMATICS, Journal of Mathematical Sciences and Mathematics Education, 10(1), 30-47, 2015
- MATHEMATICAL MODELLING AS A TEACHING METHOD OF MATHEMATICS, Journal for Research in Innovative Teaching (National University, La Jolla, CA, USA), 8(1), 35-50, 2015
- FUZZY LOGIC IN THE APOS/ACE INSTRUCTIONAL TREATMENT OF MATHEMATICS, American Journal of Educational Research, 3(3), 330-339, 2015
- FUZZY LOGIC AS A TOOL FOR ASSESSING HUMAN SKILLS, International Journal of Mathematics and Computational Science, 1(2), 15-20, 2015
- FUZZY METHODS FOR STUDENT ASSESSMENT (with I. Subbotin), International Journal of Education and Information Technology, 1(1), 20-28, 2015
- EVALUATING THE EFFECTIVENESS OF A CBR SYSTEM: A FUZZY LOGIC APPROACH (with I. Subbotin), American Journal of Computational and Applied Mathematics, 5(2), 27-32, 2015
- A FUZZY MODEL FOR MEASURING THE STUDENT LEARNING BASED ON BLOOM'S TAXONOMY (with I. Subbotin), Egyptian Computer Science Journal, 39 (2), 43-55, 2015
- REASONING METHODOLOGIES FOR INTELLIGENT INFORMATION SYSTEMS (with A.-B. Salem), International Journal of Applications of Fuzzy Sets and Artificial Intelligence, 5, 111-127, 2015
- USE OF THE TRIANGULAR FUZZY NUMBERS FOR STUDENT ASSESSMENT, American Journal of Applied Mathematics and Statistics, 3(4), 146-150, 2015
- TEACHING MATHEMATICS OR MATHEMATICAL MODELLING? (AN ANSWER TO A COMMENT). ICTMA Newsletter, 8(1), 12-13, 2015
- ASSESSMENT OF HUMAN SKILLS USING TRAPEZOIDAL FUZZY NUMBERS, American Journal of Computational and Applied Mathematics, 5(4), 111-116, 2015
- VARIATIONS OF THE COG DEFUZZIFICATION TECHNIQUE FOR ASSESSMENT PURPOSES, Journal of Mathematical Sciences and Mathematics Education, 10(2), 38-57, 2015
- USE OF THE TRIANGULAR FUZZY NUMBERS FOR STUDENT ASSESSMENT (REVISED), arXiv: 1507.03257, [cs.AI] , v2, uploaded on Oct. 12, 2015

- DEFUZZIFICATION OF FUZZY NUMBERS FOR STUDENT ASSESSMENT, American Journal of Applied Mathematics and Statistics, 3(5), 206-210, 2015
- ASSESSMENT OF HUMAN SKILLS USING TRAPEZOIDAL FUZZY NUMBERS (PART II), American Journal of Computational and Applied Mathematics, 5(5), 154-158, 2015.
- FUZZY ASSESSMENT PROCESSES, In: M. Roushdy & T. Nazmy (Eds.), Proceedings of the 7th IEEE Conf. on Intelligence Computing and Information Systems, (ICICIS 15), Vol. 1, 10-18, Ain Shams Univ., Cairo, Egypt, 2015.
- USING THE TRIANGULAR FUZZY NUMBERS FOR THE VERIFICATION OF A CHOSEN DECISION, Academic Journal of Applied Mathematical Sciences, 1(1), 1-8, 2015.
- FUZZY LOGIC AND SYSTEMS' MODELLING, in Research Methods: Concepts, Methodologies, Tools and Applications, Chapter 55, pp. 1277-1291, Information Resources Management Association, Hersey PA, USA, 2015
- AN APPLICATION OF TRIANGULAR FUZZY NUMBERS TO LEARNING ASSESSMENT, Journal of Physical Sciences, 20, 63-79, 2015
- FUZZY NUMBERS: A TOOL FOR THE ASSESSMENT PROCESSES (with I. Subbotin), International Journal of Applications of Fuzzy Sets and Artificial Intelligence, 6, 17-32, 2016.
- NEW TECHNOLOGIES, OPEN ACCESS AND AUTHOR ETHICS: SOME REMARKS ON A CASE OF PLAGIARISM (with I. Subbotin), Special Editorial, International Journal of Applications of Fuzzy Sets and Artificial Intelligence, 6, 67-71, 2016
- UTILIZING FUZZY NUMBERS AND THE COG TECHNIQUE FOR STUDENT ASSESSMENT, Journal of Global Research in Education and Social Science, 7(1), 43-54, 2016.
- TRIANGULAR AND TRAPEZOIDAL FUZZY ASSESSMENT MODELS, in S. J. John (Ed.), Handbook of Research on Generalized and Hybrid Set Structures and Applications for Soft Computing, Chapter 18, 375-393, IGI-Global, Hershey, PA, USA, 2016.
- APPLICATIONS OF FINITE MARKOV CHAIN MODELS TO MANAGEMENT, American Journal of Computational and Applied Mathematics, 6(1), 7-13, 2016
- AN APPLICATION OF FUZZY NUMBERS TO THE ASSESSMENT OF MATHEMATICAL MODELLING SKILLS (with I. Subbotin), International Journal of Mathematical Modelling and Computations, 6(1), 83-103, 2016.
- FUZZY NUMBERS AS AN ASSESSMENT TOOL IN THE APOS/ACE INSTRUCTIONAL TREATMENT OF MATHEMATICS, Journal of Physical and Mathematical Education, Sumy State Pedagogical University, Ukraine, 1(7), 29-37, 2016.
- AN APPLICATION OF THE GENERALIZED RECTANGULAR FUZZY MODEL TO CRITICAL THINKING ASSESSMENT (with I. Subbotin), American Journal of Educational Research, 4(5), 397- 403, 2016.
- A TOOL FOR ASSESSING THE ABILITY OF UNDERSTANDING THE INFINITY BASED ON TRIANGULAR FUZZY NUMBERS, Egyptian Computer Science Journal, 40(2), 11-23, 2016.
- AN APPLICATION OF FUZZY NUMBERS TO ASSESSMENT OF BRIDGE PLAYERS PERFORMANCE, American Journal of Business and Society, 1(2), 32-41, 2016.
- AN APPLICATION OF FUZZY LOGIC FOR LEARNING MATHEMATICS ACCORDING TO THE BLOOM'S TAXONOMY (with I. Subbotin), HMS International Journal for Mathematics in Education, 7, 157-174, 2015-16.
- APPLICATION OF FUZZY NUMBERS TO THE ASSESSMENT OF CBR SYSTEMS, Journal of Advances in Management Sciences and Information Systems, 2, 53-62, 2016
- COMPUTATIONAL THINKING AND FUZZY LOGIC IN PROBLEM SOLVING, in K. Newton (Ed.), Problem-Solving: Challenges and Outcomes, Nova Publishers, Chapter 1, 1-30, 2016
- PROBLEM SOLVING IN OUR KNOWLEDGE SOCIETY AND FUTURE PERSPECTIVES, in K. Newton (Ed.), Problem-Solving: Challenges and Outcomes, Nova Publishers, Chapter 13, 243-258 , 2016
- PROBLEM SOLVING IN THE FORTHCOMING ERA OF THE THIRD INDUSTRIAL REVOLUTION, International Journal of Psychological Research, 10(4), 2016.
- AN APPLICATION OF FUZZY NUMBERS TO ASSESSMENT OF STUDENT CRITICAL THINKING SKILLS, International Journal of Mathematics, Game Theory and Algebra, 25(1), 37-50, 2016.
- ON STUDENT UNDERSTANDING OF THE CONCEPT OF INFINITY, Philosophy of Mathematics Education Journal, 30, 1-8, 2016. Available at: exeter.ac.uk/education/research/centres/stem/publications/pmej
- APPLYING THE APOS THEORY TO STUDY THE STUDENT UNDERSTANDING OF POLAR COORDINATES (with V. Borji), American Journal of Educational Research, 4(16), 1149-1156, 2016
- GIAN COURSE NO. 161021KO3: FINITE MARKOV CHAIN AND FUZZY MODELS IN MANAGEMENT AND EDUCATION, International Journal of Applications of Fuzzy Sets and Artificial Intelligence, 6, 183-189, 2016
- COMPARISON OF THE COG DEFUZZIFICATION TECHNIQUE AND ITS VARIATIONS TO THE GPA INDEX, American Journal of Computational and Applied Mathematics, 6(5), 187-193, 2016
- FUZZY NUMBERS AND ANALOGICAL REASONING, SRI: Journal of Mathematical Sciences and Applications, 1(1), 20-32, 2016

- AN ABSORBING MARKOV CHAIN MODEL FOR PROBLEM SOLVING, American Journal of Applied Mathematics and Statistics, 4(6), 173-177, 2016
- USE OF TRIANGULAR FUZZY NUMBERS FOR ASSESSING THE ACQUISITION OF THE VAN HIELE LEVELS IN GEOMETRY, Journal of Physical and Mathematical Education, Sumy State Pedagogical University, Ukraine, 4(10), 9-12, 2016.
- APPLICATION OF TRIANGULAR FUZZY NUMBERS FOR ASSESSING THE RESULTS OF ITERATIVE LEARNING (with I. Subbotin), International Journal of Applications of Fuzzy Sets and Artificial Intelligence, 7, 59-72, 2017.
- MEASURING THE UNCERTAINTY IN THE VAN HIELE LEVELS OF GEOMETRIC REASONING, American Journal of Educational Research, 5(2), 109-113, 2017.
- APPLICATION OF FUZZY NUMBERS FOR ASSESSING STUDENT LEARNING SKILLS WITH THE BLOOM'S TAXONOMY, Journal of Mathematical Sciences and Mathematics Education, 12(1), 29-41, 2017.
- AN APPLICATION OF THE GENERALIZED RECTANGULAR FUZZY ASSESSMENT MODEL TO THE VAN HIELE LEVELS OF GEOMETRIC REASONING (with I. Subbotin), Universal Journal of Applied Mathematics, 5(1), 1-5, 2017.
- FUZZY LOGIC COMPUTERS AND MATHEMATICAL MODELLING, Transactions on Mathematics, 3(2), 14-26, 2017
- AN APPLICATION OF THE COG TECHNIQUE TO ASSESSMENT OF STUDENT UNDERSTANDING OF POLAR COORDINATES, NAUN International Journal of Education and Information Technologies, 11, 1-5, 2017.
- USE OF TFNS AND TpFNS FOR EVALUATING THE EFFECTIVENESS OF CBR SYSTEMS, NAUN International Journal of Fuzzy Systems and Advanced Applications, 4, 1-7, 2017.
- MANAGING THE UNCERTAINTY FOR STUDENT UNDERSTANDING OF THE INFINITY, NAUN International Journal of Fuzzy Systems and Advanced Applications, 4, 8-13, 2017.
- ASSESSING THE RESULTS OF EXPOSURE TO COMPUTERS ON PROBLEM SOLVING SKILLS, NAUN International Journal of Applied Mathematics and Informatics, 11, 1-5, 2017.
- APPLICATION OF FINITE MARKOV CHAINS TO DECISION MAKING, NAUN International Journal of Economics and Statistics, 5, 10-14, 2017.
- DESIGNING AN ACE APPROACH FOR TEACHING THE POLAR COORDINATES (with V. Borji), American Journal of Educational Research, 5(3), 303-309, 2017.
- APPLICATION OF FUZZY NUMBERS TO ASSESSMENT OF HUMAN SKILLS, International Journal of Fuzzy System Applications, 6(3), 59-73, 2017.
- APPLICATION OF FUZZY NUMBERS TO ASSESSMENT PROCESSES, In: M. Khosrow-Pour (Ed.), Encyclopedia of Information Science and Technology, Fourth Edition, Vol. IV, 3216-3225, IGI-Global, Hersey, PA, USA, 2017
- USE OF FUZZY NUMBERS FOR ASSESSING PROBLEM SOLVING SKILLS (with S. N. Mishra), International Journal of Industrial Mathematics, 92(3), 161-171, 2017.
- A FUZZY LOGIC EVALUATION OF BELIEFS AND ATTITUDES OF GREEK SECONDARY TEACHERS ABOUT TEACHING THE EUCLIDIAN GEOMETRY (with A. Papadopoulou), American Journal of Computational and Applied Mathematics, 7(3), 80-85, 2017.
- A STUDY ON SMOOTH VARIETIES WITH DIFFERENTIALLY SIMPLE COORDINATE RINGS, IARAS International Journal of Mathematical and Computational Methods, 2, 53-59, 2017.
- VARIATIONS OF THE RECTANGULAR FUZZY ASSESSMENT MODEL AND APPLICATION TO HUMAN ACTIVITIES, IARAS International Journal of Education and Learning Systems, 2, 115-124, 2017.
- AN ABSORBING MARKOV CHAIN MODEL FOR CASE-BASED REASONING, IARAS International Journal of Computers, 2, 99-105, 2017.
- AN APPLICATION OF FUZZY NUMBERS TO ASSESSMENT OF HUMAN ACTIVITIES, IARAS International Journal of Control Systems and Robotics, 2, 52-60, 2017.
- STUDYING THE WINGER'S "ENIGMA" ABOUT THE UNREASONABLE EFFECTIVENESS OF MATHEMATICS IN THE NATURAL SCIENCES, American Journal of Applied Mathematics and Statistics, 5(3), 95-100, 2017
- A NOTE ON THE GRAPHICAL REPRESENTATION OF THE DERIVATIVES, Journal of Physical and Mathematical Education, Sumy State Pedagogical University, Ukraine, 2(12), 9-17, 2017.
- APPLICATION OF GREY NUMBERS TO ASSESSMENT PROCESSES (with Y. Theodorou), International Journal of Applications of Fuzzy Sets and Artificial Intelligence, 7, 59-72, 2017.
- FUZZY LOGIC IN THE VAN HIELE LEVELS OF GEOMETRIC REASONING, Transactions on Mathematics, 3(4), 1-16, 2017.
- FUZZY LOGIC MODELS FOR EVALUATING STUDENT UNDERSTANDING OF POLAR COORDINATES, Oriental Journal of Physical Sciences, 2(2), 63-70, 2017.
- APPLICATION OF FUZZY NUMBERS TO ASSESSMENT OF COMPUTER ACTIVITIES, J. of Modern Technology & Engineering, 2(3), 177-190, 2017.
- APPLICATION OF GREY NUMBERS TO ASSESSMENT OF UNDERSTANDING THE DERIVATIVE, American Journal of Educational Research, 5(11), 1167-1171, 2017.

- A STUDY OF THE PROBLEM SOLVING PROCESS USING FUZZY RELATION EQUATIONS, NAUN Int. Journal of Mathematical Models and Methods in Applied Sciences, 11, 303-307, 2017
- IS MATHEMATICS INVENTED OR DISCOVERED BY HUMANS? Philosophy of Mathematics Education Journal, 33, 1-12, 2018. Available at: exeter.ac.uk/education/research/centres/stem/publications/pmej
- FUZZY ASSESSMENT METHODS FOR THE ACQUISITION OF THE VAN HIELE LEVELS IN GEOMETRY, Journal of Uncertain Systems, 12(1), 36-46, 2018
- APPLICATION OF FUZZY NUMBERS TO ASSESSMENT OF HUMAN SKILLS, Punjab University Journal of Mathematics, 50(2), 91-102, 2018.
- A STUDY OF STUDENT LEARNING SKILLS USING FUZZY RELATION EQUATIONS, Egyptian Computer Science Journal, 42(1), 80-67, 2018.
- APPLICATION OF FUZZY RELATION EQUATIONS TO ASSESSMENT OF ANALOGICAL PROBLEM SOLVING SKILLS, Scientific Journal of Physical and Mathematical Education, 1(15), 122-127, 2018.
- SOLVING SYSTEMS OF EQUATIONS WITH GREY DATA, International Journal of Applications of Fuzzy Sets and Artificial Intelligence, 8, 103-111, 2018.
- APPLICATION OF FUZZY RELATION EQUATIONS TO STUDENT ASSESSMENT, American Journal of Applied Mathematics and Statistics, 6(2), 167-171, 2018.
- APPLICATION OF TRIANGULAR FUZZY NUMBERS TO ANALOGICAL REASONING, Int. J. of Quantitative Research in Education, 4(3), 240-254, 2018
- APPLICATION OF GREY NUMBERS TO COMPUTATIONAL THINKING, Proceedings of Software Engineering Conference, ITHA, pp. 17-21, National Aviation University, Kyiv, Ukraine, 2018.
- FUZZY LOGIC: HISTORY, METHODOLOGY AND APPLICATIONS TO EDUCATION, Sumerianz Journal of Education, Linguistics and Literature, 1(1), 10-18, 2018.
- SOLVING LINEAR PROGRAMMING PROBLEMS WITH GREY DATA, Oriental Journal of Physical Sciences, 3(1), 17-23, 2018
- USE OF GREY NUMBERS FOR EVALUATING MATHEMATICAL MODELLING SKILLS, SF Computer Science and Applications, 1(1), 16-22, 2018.
- EVALUATING THE ACQUISITION OF THE VAN HIELE LEVELS WITH THE COG DERUZZIFICATION TECHNIQUE, SF Journal of Artificial Intelligence, 1(2), 1-8, 2018
- DECISION TREES IN DATA MINING (with A.- B. M. Salem), International Journal of Applications of Fuzzy Sets and Artificial Intelligence, 8, 143-154, 2018
- FUZZY LINEAR PROGRAMMING, Egyptian Computer Science Journal, 42(4), 1-14, 2018
- APPLICATION OF GREY NUMBERS TO STUDENT ASSESSMENT UNDER FUZZY CONDITIONS, Journal of Mathematical Sciences and Mathematics Education, 12(2), 33-42, 2018
- THE INFLUENCE OF THE SCHOOLS OF MATHEMATICAL THOUGHT TO THE DEVELOPMENT OF MATHEMATICS EDUCATION, American Journal of Educational Research, 6(9), 1283-1288, 2018.
- THE EFFECTS OF FORMALISM AND INTUITIONISM ON THE DEVELOPMENT OF MATHEMATICS EDUCATION, Sumerianz Journal of Education, Linguistics and Literature, 1(5), 121-127, 2018.
- SOLVING LINEAR PROGRAMMING PROBLEMS WITH FUZZY DATA, Journal of Advances in Applied Mathematics, 3(4), 127-138, 2018
- APPLICATION OF GREY SYSTEM THEORY TO ASSESSMENT WITH APPROXIMATE DATA, Proceedings of the 28th International Conference on Computer Theory and Applications, 123-128, Alexandria, Egypt, 2018.
- USE OF FUZZY RELATION EQUATIONS FOR EVALUATING MATHEMATICAL MODELLING ABILITIES, Oriental Journal of Physical Sciences, 3(2), 102-107, 2018
- CURRENT PROBLEMS AND FUTURE PERSPECTIVES OF MATHEMATICS EDUCATION, Physical and Mathematical Education, 3 (17), 13-19, 2018.
- FUZZY SETS, FUZZY LOGIC AND THEIR APPLICATIONS, Special Issue Information, Mathematics MDPI Journal, available at mdpi.com/journal/mathematics/special_issues/Fuzzy_Sets, 2018
- APPLICATION OF THE GREY SYSTEM THEORY TO THE ASSESSMENT OF COMPUTATIONAL THINKING SKILLS, American Journal of Applied Mathematics and Statistics, 6(6), 253-261, 2018.
- APPLICATION OF GREY NUMBERS TO ASSESSMENT OF CASE-BASED REASONING SYSTEMS, Sumerianz Journal of Scientific Research, 1(4), 80-87, 2018
- SYSTEMS OF EQUATIONS WITH FUZZY COEFFICIENTS, Journal of Physical Sciences, 23, 77-88, 2018.
- APPLICATION OF GREY NUMBERS TO ASSESSMENT OF MATHEMATICAL MODELLING CAPACITIES, International Journal of Trends in Mathematics Education Research, 1(1), 9-12, 2018.
- COMPUTATIONAL THINKING AND FUZZY LOGIC IN PROBLEM SOLVING, in N. Wodarth & Ferguson (Eds.), Psychology Research Summaries, Vol. 8, Chapter 137, 275-276, 2018

- MULTI-VALUED LOGICS: A REVIEW, *International Journal of Applications of Fuzzy Sets and Artificial Intelligence*, 9, 5-12, 2019.
 - USE OF FUZZY NUMBERS AS ASSESSMENT TOOLS , in: M. Khosrow-Pour (Ed.), *Advanced Methodologies and Technologies in Artificial Intelligence, Computer Simulation and Human – Computer Interaction*, Chapter 30, pp.407-420, Information Resources Management Association, Hersey PA, USA, 2019
 - METHODS FOR ASSESSING HUMAN-MACHINE PERFORMANCE UNDER FUZZY CONDITIONS, *Mathematics*, 7(3), 230, 2019.
 - DERIVATIONS AND INTEGRATIONS ON RINGS, *American Journal of Applied Mathematics and Statistics*, 7(2), 75-78, 2019.
 - APPLICATION OF MARKOV CHAIN TO THE ACE TEACHING STYLE OF MATHEMATICS, *Sumerianz Journal of Education, Linguistics and Literature*, 2(2), 4-11, 2019
 - FUZZY SYSTEMS, EXTENSIONS AND RELATIVE THEORIES, *WSEAS Transactions on Advances in Engineering Education*, 16, 63-69, 2019.
 - FUZZY RELATION EQUATIONS ON THE VAN HIELE LEVELS OF GEOMETRIC REASONING, *NAUN International Journal of Fuzzy Systems and Advanced Applications*, 6, 8-12, 2019
 - ON PROPERTIES OF DIFFERENTIAL RINGS, *WSEAS Transactions on Mathematics*, 18, 112-117, 2019.
 - USE OF FUZZY RELATION EQUATIONS AND THE BLOOM'S TAXONOMY FOR LEARNING FOR EVALUATING STUDENT LEARNING SKILLS, *WSEAS Transactions on Advances in Engineering Education*, 16, 1-6, 2019.
 - FUZZY AND GREY ASSESSMENT METHODS, *NAUN International Journal of Fuzzy Systems and Advanced Applications*, 6, 1-7, 2019.
 - A MARKOV CHAIN MODEL FOR THE APOS/ACE INSTRUCTIONAL TREATMENT OF MATHEMATICS, *IARAS International Journal of Education and Learning Systems*, 4, 1-6, 2019.
 - A MARKOV CHAIN APPLICATION ON THE LEVELS OF THE BLOOM'S TAXONOMY OF LEARNING OBJECTIVES, *American Journal of Educational Research*, 7(3), 294-298, 2019.
 - DATA EVALUATION IN FUZZY SYSTEMS, *WSEAS Transactions on Advances in Engineering Education*, 16, 70-74, 2019.
 - MANAGEMENT OF FUZZY DATA IN EDUCATION, *Scientific Journal of Physical and Mathematical Education*, 1(19), 13-17, 2019.
286. COMMUNITIES OF PRACTICE FOR TEACHING AND LEARNING MATHEMATICS, *American Journal of Educational Research*, 7(6), 186-191, 2019.
- TEACHING AND LEARNING MATHEMATICS: RESEARCH AND PRACTICE FOR THE 21st CENTURY, *Sumerianz Journal of Education, Linguistics and Literature*, 2(4), 19-24, 2019
 - COMPARING TEACHING METHODS OF MATHEMATICS AT UNIVERSITY LEVEL, *Education Sciences*, 9(3), 204, 2019.
 - FUZZY GRAPHS AND FUZZY HYPERGRAPHS (with T. Pramanik), in M. Pal, S. Samanta & A. Pal (Eds.), *Handbook of Research on Advanced Applications of Graph Theory in Modern Society*, Chapter 19, 437-468, IGI Global, Hersey, PA., USA, 2019.
 - POSSIBILITIES IN FUZZY DATA, *Journal of Mathematical Sciences and Mathematics Education*, 14(2), 20-28, 2019.
 - UNCERTAINTY, FUZZY SETS AND RELATED THEORIES, *Oriental Journal of Physical Sciences*, 4(1), 1-3, 2019.
 - COMPUTATIONAL THINKING IN PROBLEM SOLVING AND EDUCATION, in R.V. Nata (Ed.), *Progress in Education*, Vol. 61, Chapter 2, 33-94, Nova Publishers, N.Y., 2019.
 - PREFACE, in M. Voskoglou (Ed.), *An Essential Guide to Fuzzy Systems*, pp. vii-xii, Nova Publishers, N.Y., 2019.
 - FUZZY SETS, GREY SYSTEM THEORY AND COMPUTATIONAL THINKING, in M. Voskoglou (Ed.), *An Essential Guide to Fuzzy Systems*, Chapter 1, 1-54, Nova Publishers, N.Y., 2019.
 - EVALUATION OF FUZZY DATA AND FUZZY RELATION EQUATIONS, in M. Voskoglou (Ed.), *An Essential Guide to Fuzzy Systems*, Chapter 2, 55-78, Nova Publishers, N.Y., 2019.
 - GENERALIZATIONS OF FUZZY SETS AND RELATED THEORIES, in M. Voskoglou (Ed.), *An Essential Guide to Fuzzy Systems*, Commentary, 345-352, Nova Publishers, N.Y., 2019.
 - APPLICATION OF POSSIBILITY THEORY TO DATA ASSESSMENT, *Proceedings of the International Conference on Software Engineering*, 14-17, national Aviation University, Kiev, Ukraine, 2019.
 - AN APPLICATION OF THE "5 E'S" INSTRUCTIONAL TREATMENT FOR TEACHING THE CONCEPT OF FUZZY SET, *Sumerianz Journal of Education, Linguistics and Literature*, 2(9), 73-76, 2019.
 - AN APPLICATION OF ERGODIC MARKOV CHAINS TO THE PROCESS OF TEACHING MATHEMATICS, *American Journal of Applied Mathematics and Statistics*, 7(5), 187-190, 2019.
 - A MARKOV CHAIN REPRESENTATION OF THE "5E's" INSTRUCTIONAL TREATMENT, *Scientific Journal of Physical and Mathematical Education*, 3(21), 7-11, 2019.

- ARTIFICIAL INTELLIGENCE AS A TOOL IN THE MODERN EDUCATION, *International Journal of Applications of Fuzzy Sets and Artificial Intelligence*, 9, 125-138, 2019.
- APPLYING THE ABSORBING AND THE ERGODIC MARKOV CHAIN THEORY TO CBR, *International Journal of Computers*, 13, 122-126, 2019.
- COMPUTERS AND ARTIFICIAL INTELLIGENCE AS TOOLS FOR EDUCATION IN THE FORTHCOMING ERA OF THE INTERNET OF THINGS AND ENERGY, *WSEAS Transactions on Information Science and Applications*, 16, 185-190, 2019
- APPLICATIONS OF FINITE MARKOV CHAINS TO ARTIFICIAL INTELLIGENCE, *International Journal of Innovation*, 10(1), 1-10, 2020.
- FUZZY SETS, FUZZY LOGIC AND THEIR APPLICATIONS 2020, Special Issue Information, *Mathematics MDPI Journal*, available at [mdpi.com/journal/mathematics/special_issues/Fuzzy_Sets2020](https://www.mdpi.com/journal/mathematics/special_issues/Fuzzy_Sets2020) , 2020.
- PREFACE, in M. Voskoglou (Ed.), *Fuzzy Sets, Fuzzy Logic and their Applications*, p. v, MDPI, Basel, Switzerland, 2020
- METHODS FOR ASSESSING HUMAN-MACHINE PERFORMANCE UNDER FUZZY CONDITIONS, in M. Voskoglou (Ed.), *Fuzzy Sets, Fuzzy Logic and their Applications*, pp. 35-56 , MDPI, Basel, Switzerland, 2020
- BENEFITS AND LIMITATIONS OF THE ARTIFICIAL WITH RESPECT TO THE TRADITIONAL LEARNING OF MATHEMATICS (with A.-B. M. Salem), *Mathematics*, 8, 611, 2020
- USE OF GREY NUMBERS FOR ASSESSING THE EFFECT OF THE APPLICATION OF THE FLIPPED LEARNING MODEL ON THE PERFORMANCE OF A MATHEMATICS CLASS, *Egyptian Computer Science Journal*, 44(2), 24-31, 2020
- SMART LEARNING SYSTEMS (with A.-B. M. Salem), *International Journal of Applications of Fuzzy Sets and Artificial Intelligence*, 10, 103-120, 2020.
- THOUGHTS FOR THE FUTURE EDUCATION IN THE ERA OF THE FOURTH INDUSTRIAL REVOLUTION, *American Journal of Educational Research*, 8(4), 214-220, 2020.
- A PHILOSOPHICAL TREATISE ON THE CONNECTION OF SCIENTIFIC REASONING WITH FUZZY LOGIC (with E. Athanassopoulos), *Mathematics*, 8, 875, 2020.
- INDUCTIVE REASONING AND FUZZY LOGIC (with E. Athanassopoulos), *International Journal of Applications of Fuzzy Sets and Artificial Intelligence*, 10, 169-195, 2020.
- APPLICATIONS OF FUZZY LINEAR PROGRAMMING TO BUSINESS PROBLEMS, *WSEAS Transactions on Mathematics*, 19, 343-348, 2020.
- A MARKOV CHAIN REPRESENTATION OF HUMAN REASONING AND SCIENTIFIC THINKING, *American Journal of Applied Mathematics and Statistics*, 8(2), 52-57, 2020.
- TRADITIONAL LEARNING AND ARTIFICIAL LEARNING THEORIES AND TEACHING METHODS, *Sumerianz Journal of Education, Linguistics and Literature*, 3(8), 178-185, 2020.
- APPLICATIONS OF FUZZY NUMBERS TO HYPERCONNECTIVITY AND COMPUTING, *International Journal of Hyperconnectivity and the Internet of Things*, 4(2), 80-101, 2020.
- NEW CHALLENGES FOR EDUCATION IN THE FORTHCOMING ERA OF THE FOURTH INDUSTRIAL REVOLUTION, in S. Buckley (Ed.), *Promoting Inclusive Growth in the Fourth Industrial Revolution*, Chapter 4, 98-117, IGI Global, Hersey, PA., USA, 2020.
- BAYESIAN REASONING AND ARTIFICIAL INTELLIGENCE AGAINST COVID-19, *International Journal of Scientific Advances*, 1(1), 74-78, 2020 (with A.B. Salem).
- QUANTIFYING THE ARISTOTLE'S FALLACIES (with E. Athanassopoulos), *Mathematics*, 8, 1399, 2020.
- MACHINE LEARNING TECHNIQUES FOR TEACHING MATHEMATICS (with A.-B.M. Salem), *Scientific Journal of Physical and Mathematical Education*, 2(24), 17-25, 2020.
- USE OF FINITE MARKOV CHAINS IN BUSINESS PROBLEMS INVOLVING DECISION MAKING AND CASE-BASED REASONING, in B. Christiansen & T. Skrinjaric (Eds.), *Handbook for Research on Applied Artificial Intelligence for International Business and Marketing Applications*, Chapter 16, 321-338, IGI Global, Hersey, PA., USA, 2020.
- THE IMPORTANCE OF BAYESIAN REASONING FOR EVERYDAY LIFE AND SCIENCE, *International Journal of Education Development, Society and Technology*, 8(2), 24-33, 2020 (with E. Athanassopoulos)
- BAYESIAN REASONING AND ARTIFICIAL INTELLIGENCE, *WSEAS, Transactions on Advances in Engineering Education*, 17, 92-98, 2020.
- USE OF GREY NUMBERS FOR EVALUATING A SYSTEM'S PERFORMANCE UNDER FUZZY CONDITIONS, in M. Khosrow-Pour (Ed.), *Encyclopaedia of Information Science and Technology*, Fifth Edition, Chapter 23, 315-331, IGI-Global, Hersey, PA, USA, 2020.
- STATISTICAL THINKING IN PROBLEM SOLVING, *American Journal of Educational Research*, 8(10), 754-761, 2020 (with E. Athanassopoulos).
- A MARKOV CHAIN MODEL FOR THE TEACHING PROCESS, *Proceedings of the International Conference on Software Engineering*, 43-47, National Aviation University, Kiev, Ukraine, 2020.

- ASSESSMENT AND LINEAR PROGRAMMING UNDER FUZZY CONDITIONS, Journal of Fuzzy Extension and Applications, 1(3), 198-216, 2020.
- SOCIAL CONSTRUCTIVISM IN TEACHING MATHEMATICS: AN ABSORBING MARKOV CHAIN REPRESENTATION, Journal of Physical Sciences, 25, 1-10, 2020.
- FUZZY CONTROL SYSTEMS, WSEAS Transactions on Systems, 19, 295-300, 2020.
- MODES OF THINKING IN PROBLEM SOLVING, Scientific Journal of Physical and Mathematical Education, 3(25), 11-18, 2020.
- MARKOV CHAIN APPLICATIONS TO EDUCATION, Encyclopedia (MDPI), available on the Web at encyclopedia.pub/entry/3312, 2020.
- FUZZY VS BIVALENT LOGIC, Encyclopedia (MDPI), available on the Web at encyclopedia.pub/entry/3410, 2020.
- ITERATED SKEW POLYNOMIAL RINGS, Encyclopedia (MDPI), available on the Web at encyclopedia.pub/entry/3612, 2020.
- FUZZY CONTROL IN CYBER-PHYSICAL SYSTEMS, International Journal of Cyber-Physical Systems, 2(2), 46-58, 2020.
- MODELLING THE TEACHING PROCESS: A MARKOV CHAIN APPROACH, International Education and Culture Studies, 1(1), 7-14, 2021.
- FUZZY SETS, FUZZY LOGIC AND THEIR APPLICATIONS 2021, Special Issue Information, Mathematics MDPI Journal, available at mdpi.com/journal/mathematics/special_issue/fuzzy_2021, 2021.
- RECENT ADVANCES IN MATHEMATICS EDUCATION, Special Issue Information, European Journal of Investigation in Health, Psychology and Education (MDPI), available at mdpi.com/journal/ejihpe/special_issues/RAME, 2021
- BIOGRAPHY (Michael Gr. Voskoglou), Encyclopedia (MDPI), available on the Web at encyclopedia.pub/8026, 2021.
- COMPUTERS AND ARTIFICIAL INTELLIGENCE IN FUTURE EDUCATION, in Panconesi, G. & Guida, M. (Eds.), Handbook of Research on Teaching with Virtual Environments and Artificial Intelligence, Chapter 28, 654-680, IGI Global, Hersey, PA., USA, 2021.
- PROBLEM SOLVING AND MATHEMATICAL MODELLING, American Journal of Educational Research, 9(2), 85-90, 2021
- SMART LEARNING SYSTEMS: A MARKOV CHAIN APPROACH, Egyptian Computer Science Journal, 45(2), 24-29, 2021.
- BAYESIAN REASONING AND MACHINE LEARNING, Proceedings of the International Conference on Software Engineering, 51-56, National Aviation University, Kiev, Ukraine, 2021.
- PREFACE, in M. Voskoglou (Ed.), Fuzzy Sets, Fuzzy Logic and their Applications 2020, p. xi, MDPI, Basel, Switzerland, 2021
- A PHILOSOPHICAL TREATISE ON THE CONNECTION OF SCIENTIFIC REASONING WITH FUZZY LOGIC (with E. Athanassopoulos), in M. Voskoglou (Ed.), Fuzzy Sets, Fuzzy Logic and their Applications 2020, pp. 51-66, MDPI, Basel, Switzerland, 2021
- FUZZY LOGIC IN CONTROL THEORY, in D.A. Magdi, Y.K. Helmy, M. Mamdouh & Joshi (Eds.), Digital Transformation Technology (Proceedings of ITAF 2020), pp. 217-228, Springer, Singapore, 2021.
- APPLICATION OF SOFT SETS TO ASSESSMENT OF MATHEMATICAL MODELLING SKILLS, Scientific Journal of Physical and Mathematical Education, 32(6), 13-17, 2021.
- APPLICATION OF SOFT SETS TO ASSESSMENT PROCESSES, American Journal of Applied Mathematics and Statistics, 10(1), 1-3, 2022.
- ANALYZING THE "ONE-VARIABLE-AT-A-TIME" METHOD AND ITS APPLICATIONS (with E. Athanassopoulos & E.-M. Bastounis), International Journal of Arts, Humanities and Social Sciences, 4(1), 22-37, 2022.
- USING SOFT SETS FOR A PARAMETRIC ASSESSMENT OF PROBLEM SOLVING SKILLS, NAUN International Journal of Circuits Systems and Signal Processing, 16, 882-886, 2022.
- SOFT SETS AS TOOLS FOR ASSESSING HUMAN-MACHINE PERFORMANCE, Egyptian Computer Science Journal, 46(1), 1-6, 2022.
- USE OF GREY NUMBERS AND SOFT SETS AS ASSESSMENT TOOLS, Asian Journal of Pure and Applied Mathematics, 4(3), 171-177, 2022.
- INFLUENCE OF THE DIGITAL TECHNOLOGIES TO THE PROCESS OF LEARNING, WSEAS Transactions on Advances in Engineering Education, 19, 72-79, 2022.
- USE OF SOFT SETS AND THE BLOOM'S TAXONOMY FOR ASSESSING LEARNING SKILLS, Transactions on Fuzzy Sets and Systems, 1(1), 106-113, 2022.
- CONNECTIVISM VS TRADITIONAL THEORIES OF LEARNING, American Journal of Educational Research, 10(4), 257-261, 2022.

- A HYBRID MODEL FOR DECISION MAKING UTILIZING TFNs AND SOFT SETS AS TOOLS, *Equations*, 2, 65-69, 2022.
- A HYBRID METHOD FOR THE ASSESSMENT OF ANALOGICAL REASONING SKILLS (with S. Broumi), *Journal of Fuzzy Extension and Applications*, 3(2), 152-157, 2022
- MANAGING THE EXISTING IN REAL LIFE INDETERMINACY, *IARAS International Journal of Mathematical and Computational Methods*, 7, 29-34, 2022.
- A COMBINED USE OF SOFT SETS AND GREY NUMBERS IN DECISION MAKING, *Journal of Computational and Cognitive Engineering*, doi: [10.47852/bonviewjccce2202237](https://doi.org/10.47852/bonviewjccce2202237), online 2022, 2(1), 1-4, 2023.
- MANAGING THE UNCERTAINTY: FROM PROBABILITY TO FUZZINESS, NEUTROSOPHY AND SOFT SETS, *Transactions on Fuzzy Sets and Systems*, 1(2), 46- 58, 2022
- UNCERTAINTY VS INDETERMINACY: A JOURNEY FROM FUZZINESS TO NEUTROSOPHY, *American Journal of Applied Mathematics and Statistics*, 10(2), 65-68, 2022.
- APPLICATIONS OF SOFT SETS TO ASSESSMENT PROBLEMS AND TOPOLOGY, in T.S. Clary (Ed.), *Horizons in Computer Science Research*, Vol.22, Chapter 3, 89-112, Nova Publishers, N.Y., 2022
- APPLICATION OF SOFT SETS TO ASSESSMENT OF PROBLEM SOLVING SKILLS, *Proceedings of the International Conference on Software Engineering*, 62-68, National Aviation University, Kiev, Ukraine, 2022.
- TOPOLOGICAL SPACES ON FUZZY STRUCTURES, *WSEAS Transactions on Mathematics*, 21, 624-628, 2022
- A COMBINED USE OF SOFT AND NEUTROSOPHIC SETS FOR STUDENT ASSESSMENT WITH QUALITATIVE GRADES, *Journal of Neutrosophic and Fuzzy Systems*, 4(1), 15-20, 2022 (with S. Broumi & F. Smarandache)
- PTG-PLM: PREDICTING POST-TRANSLATIONAL GLYCOSYLATION AND GLYCATION SITES USING PROTEIN LANGUAGE MODELS AND DEEP LEARNING, *Axioms*, 11, Article 469, 2022 (with Alkuhlani, A., Gad, W., Roushdy, M. & Salem, A.-B.M.)
- A HYBRID METHOD FOR ASSESSMENT WITH LINGUISTIC GRADES, *Oriental Journal of Physical Sciences*, 7(1), 26-29, 2022.
- NEUTROSOPHIC SETS AS TOOLS IN ASSESSMENT PROCESSES, *Egyptian Computer Science Journal*, 46(2), 28-33, 2022.
- A COMBINED USE OF SOFT AND NEUTROSOPHIC SETS FOR STUDENT
- ASSESSMENT WITH QUALITATIVE GRADES, in F. Smarandache (Ed. and Author), *Collected Papers (on Neutrosophics and other Topics)*, Vol. XIV, 582-587, Global Knowledge Publ. House, Miami, USA, 2022 (with S. Broumi & F. Smarandache)
- INTRODUCTION TO THE SPECIAL ISSUE ON RECENT ADVANCES IN MATHEMATICS EDUCATION, *European Journal of Investigation in Health, Psychology and Education*, 12, 1498-1499, 2022 (with Mamona-Downs, J.)
- FUZZINESS, INDETERMINACY AND SOFT SETS: FRONTIERS AND PERSPECTIVES, *Mathematics*, 10, 3909, 2022.
- A HYBRID METHOD FOR ASSESSING STUDENT MATHEMATICAL SKILLS, *Transactions on Fuzzy Sets and Systems*, 2(1), 61-71, 2023, DOI: [10.39495/TFSS.2022.1971.496.105](https://doi.org/10.39495/TFSS.2022.1971.496.105), 2022 (online)
- A HYBRID METHOD FOR ASSESSING STUDENT MATHEMATICAL MODELLING SKILLS UNDER FUZZY CONDITIONS, *International Journal of Computational and Applied Mathematics & Computer Science*, 2, 106-114, 2022.
- ARTIFICIAL NEURAL NETWORKS AND GENETIC ALGORITHMS: AN OVERVIEW, *IARAS International Journal of Mathematical and Computational Methods*, 7, 67-71, 2022.
- FROM ZADEH'S FUZZINESS TO SMARANDACHE'S NEUTROSOPHY: REVIEW, *Int. Journal of Applied Mathematics Computational Science and Systems Engineering*, 4, 98-104, 2022.
- A HYBRID APPROACH FOR ASSESSING PROBLEM SOLVING SKILLS UNDER FUZZY CONDITIONS, *Int. J. "Information Theories and Applications"*, 29(2), 103-128, 2022
- ADVANCES AND APPLICATIONS OF SOFT COMPUTING, *Mathematics*, Special Issue, https://www.mdpi.com/journal/mathematics/special_issues/CVV73STHDQ, 2023
- AN APPLICATION OF NEUTROSOPHIC SETS TO DECISION MAKING, *Neutrosophic Sets and Systems*, 53, 1-9, 2023.
- SOME CERTAIN FUZZY RIEMANN INTEGRAL INEQUALITIES FOR GENERALIZED CONVEXITY VIA FUZZY-NUMBER VALUED MAPPINGS, *Mathematics*, 11, 550, 2023 (with Khan M.B., Hakeem A. Othman, H.A., Abdullah, L., Alzubaidi, A.M.).
- DECISION MAKING IN NEUTROSOPHIC ENVIRONMENT, *Proof*, 3, 1-7, 2023
- FUZZY AND NEUTROSOPHIC SETS AND SYSTEMS, EXTENSIONS AND APPLICATIONS, *Contemporary Mathematics*, Special Issue, https://ojs.wiserpub.com/index.php/CM/SI/Fuzzy_Set_Syst, 2023 (with F. Smarandache and S. Broumi).

- ARTIFICIAL INTELLIGENCE IN EDUCATION IN THE ERA OF THE FOURTH INDUSTRIAL REVOLUTION, in L. Skenderi (Ed.): Proceedings of Int. Antalya Scientific Research and Innovative Studies Congress, 51-63, 2023.
- ASSESSING THE EFFECTIVENESS OF FLIPPED LEARNING FOR TEACHING MATHEMATICS TO MANAGEMENT STUDENTS, American Journal of Applied Mathematics and Statistics, 11(1), 30-34, 2023.
- ASSESSING THE EFFECTIVENESS OF THE APOS/ACE METHOD FOR TEACHING MATHEMATICS TO ENGINEERING STUDENTS, WSEAS Transactions on Advances in Engineering Education, 20, 37-43, 2023.
- ARTIFICIAL INTELLIGENCE AND DIGITAL TECHNOLOGIES IN THE FUTURE EDUCATION, Qeios, DOI: 1032388/07VE29.
- APPLICATION OF SOFT SETS AND NEUTROSOPHIC SETS FOR INTRODUCING A MULTI-VALUED LOGIC IN ETHICS, <https://sciforum.net/manuscripts/14395/manuscript.pdf> 2023 (with J. Feuerstein and E. Athanassopoulos)
- FUZZY ASSESSMENT OF THE “5 E’S” INSTRUCTIONAL TREATMENT FOR TEACHING MATHEMATICS TO ENGINEERING STUDENTS, Computer Science & Engineering: An International Journal, 13(2), 1-9, 2023.
- NEUTROSOPHIC ASSESSMENT OF STUDENT MATHEMATICAL SKILLS, Physical and Mathematical Education, 38(2), 22-26, 2023.
- USE OF SOFT AND NEUTROSOPHIC SETS FOR A MATHEMATICAL REPRESENTATION OF THE ETHICAL RULES, in F. Smarandache & M. Al-Tahan (Eds), NeutroGeometry, NeutroAlgebra, and SuperHyperAlgebra, Chapter 5, pp. 97-115, IGI Global, Hersey, PA., USA 2023 (with J. Feuerstein and E. Athanassopoulos).
- THE ROLE OF INDUCTION FOR HUMAN REASONING AND SCIENCE, American Journal of Educational Research, 11(5), 321-326, 2023 ((with J. Feuerstein and E. Athanassopoulos)
- MICHAEL GR. VOSKOGLOU – LIST OF PUBLICATIONS, Available at <https://novapublishers.com/michael-gr-voskoglou-list-of-publications>, 2023
- APPLICATION OF NEUTROSOPHIC SETS TO ASSESSMENT OF STUDENT LEARNING SKILLS, in S. Broumi (Ed.), handbook of Research on the Applications of Neutrosophic Sets Theory and their Extensions in Education, Chapter 5, 89-110, IGI Global, Hersey, PA., USA., 2023.

Announcements to International Conferences (40)

- SIMPLE ORE EXTENSIONS, 7th Congress of Balkan Mathematicians, Athens, Greece, December 19-23, 1983
- ON IDEALS OF SKEW POLYNOMIAL RINGS, International Symposium on Algebra and Number Theory, Abstracts pp. 28-30, Silivri – Istanbul, Turkey, August 30 – September 1, 1989
- HEURISTICS IN PROBLEM SOLVING, 3rd Bulgarian-Greek Conference on Mathematics Education, Bankya – Sofia, January 13-17, 1993
- DIFFERENTIAL SIMPLICITY IN COMMUTATIVE RINGS, 1st Panhellenic Conference on Algebra with International Participation, Abstracts pp.1-2, Technical University of Athens, Greece, September 27-28, 1996.
- USE OF MARKOV CHAINS TO DESCRIBE THE PROBLEM SOLVING PROCESS, Bulgarian Academy of Sciences, Institute of Mathematics and Informatics, April 15, 1997.
- SKEW POLYNOMIAL RINGS, Department of Mathematics, Ege University, Bornova - Izmir, Turkey, October 1-7, 1997
- ANALOGICAL PROBLEM SOLVING, 3rd Mediterranean Conference on Mathematics Education, Athens, Greece, January 3-5, 2003
- THE MATHEMATICAL EDUCATION NOWADAYS, CASTME International Conference, Abstracts p. 29, Nicosia, Cyprus, April 15-18, 2004.
- MODELLING THE PROCESS OF MATHEMATICAL MODELLING: A STOCHASTIC APPROACH, International Conference on the Teaching of Mathematical Modelling and Applications (ICTMA12), Abstracts p.47, Cass Business School, City University, London, UK, 10-14 July 10-14, 2005.
- MATHEMATICS AS A TEACHING SUBJECT FOR THE DESIGN SCIENCES, MASEE International Conference on Mathematics (MICOM 2006), Abstracts pp. 138- 139, Paphos, Cyprus, May 31 – June 4, 2006.
- APPLICATIONS OF FINITE MARKOV CHAINS TO MANAGEMENT AND ECONOMICS, MASEE International Conference on Mathematics (MICOM 2006), Abstracts, pp. 140-141, Paphos, Cyprus, May 31- June 4, 2006.
- PROBLEM SOLVING AND LEARNING MATHEMATICS, 5th Mediterranean Conference on Mathematics Education, Rhodes, Greece, April 13-15, 2007.
- A FUZZY MODEL FOR THE LEARNING PROCESS, International Conference on the Teaching of Mathematical Modelling and Applications (ICTMA13), Abstracts 13-14, Kathmandu University, Dhulikhel, Nepal, June 24-29, 2007.
- MATHEMATICS IN DESIGN SCIENCES, 5th International Conference on Mathematics & Design, Blumenau, Santa Catarina, Brazil, 01-04 July, 2007.
- A FUZZY APPROACH OF THE PROCESS OF LEARNING MATHEMATICS, University of Cyprus, September 13-14, 2008

- CASE-BASED REASONING IN THE OPEN KNOWLEDGE SOCIETY, 1st World Summit on the Knowledge Society (WSKS 08), Athens, Greece, September 24-26, 2008.
- DERIVATIONS AND DIFFERENTIAL SIMPLICITY OF COMMUTATIVE RINGS, Pre-ICM Convention on Mathematical Sciences (ICMS), Abstracts pp. 45-46, Delhi, India, December 18-20, 2008.
- RECOGNIZING MODELLING COMPETENCIES IN THE CLASSROOM: A FUZZY APPROACH, International Conference on the Teaching of Mathematical Modelling and Applications (ICTMA14), Faculty of Education, University of Hamburg, Germany, July 27-31, 2009
- A FUZZY MODEL FOR THE CBR PROCESS, 6th International Conference FSKD, Tianjin, China, August 14-16, 2009
- THE PROCESS OF LEARNING MATHEMATICS, 10th International Conference on Mathematics Education in the 21st Century, Dresden, Germany, September 11-17, 2009.
- COMBINING CASE-BASED WITH PROBABILISTIC REASONING FOR THE SOLUTION OF REAL WORLD PROBLEMS, 2nd World Summit on the Knowledge Society (WSKS 09), Crete, Greece, September 18-20, 2009.
- APPLICATIONS OF MARKOV CHAINS TO MANAGEMENT, Faculty of Management, University of Warsaw, Poland, November 1-7, 2009
- STOCHASTIC AND FUZZY MODELS IN MATHEMATICS EDUCATION, International Conference on the Teaching of Mathematical Modelling and Applications (ICTMA15), Book of Abstracts, p.72, Australian Catholic University, Melbourne, July 14-19, 2011.
- A GENERAL FUZZY FRAMEWORK FOR REPRESENTING A SYSTEM AND MEASURING ITS PERFORMANCE, Plenary Lecture, 16th WSEAS International Conference on Systems, Kos Island, Greece, July 14-16, 2012. Abstract: Proceedings, p.29, available on line at <http://www.wseas.us/conferences/2012/kos/ics/Plenary7.htm>
- MATHEMATICAL MODELS FOR ANALOGICAL REASONING, Plenary Lecture, 2nd WSEAS International Conference on Applied and Computational Mathematics, Vouliagmeni – Athens, Greece, May 14-16, 2013, available on line at <http://www.wseas.org/wseas/cms.action?id=3620>
- STOCHASTIC AND FUZZY MODELS IN BUSINESS APPLICATIONS, Plenary Lecture, 5th WSEAS International Conference on Applied Economics, Chania - Crete, Greece, August 27-29, 2013, available on line at <http://www.wseas.org/wseas/cms.action?id=5634>
- CYBER FUZZY ASSESSMENT METHODS, Keynote Speech, 7th International Conference on Intelligent Computing and Information Systems (ICICIS 2015), Conference Program and Abstracts, 37-38, Cairo, Egypt, Dec. 12-14, 2015, available at: <http://net2shams.edu.eg/icicis/2015/index.php/keynote-speakers/prof-michael-gr-voskoglou>
- MARKOV CHAIN MODELS IN MANAGEMENT APPLICATIONS, Keynote Speech, Int. Conf. on Knowledge Engineering and Big Data Analytics, Future Univ., Cairo, Egypt, Dec. 15-16, 2015
- APPLICATIONS OF FUZZY LOGIC TO LEARNING CONTEXTS, Plenary Speech, Int. Conference on Neural Networks and Fuzzy Systems, INASE, Athens, Greece, April 2017, retrieved from inase.org/conferences/2017/Athens/nn-fs.htm.
- USE OF FUZZY NUMBERS FOR ASSESSING HUMAN SKILLS, Plenary Speech, Int. Conference on Pure Mathematics, Applied Mathematics and Computational Methods, INASE, Heraklion, Crete, Greece, July 2017, available at: inase.org/conferences/2017/Crete/pmamcm.htm.
- TEACHING THE GRAPHICAL REPRESENTATION OF THE DERIVATIVE WITH THE APOS/ACE INSTRUCTIONAL TREATMENT FOR MATHEMATICS, First Congress of Greek Mathematicians (HMS), Abstracts, p. 82, Athens, Greece, June 2018.
- EVALUATING A SYSTEM'S EFFECTIVENESS WITH APPROXIMATE DATA, Keynote speech, 28th International Conference of Computer Theory and Applications, Academy of Sciences, Technology and Maritime Transport, Alexandria, Egypt, 30-10-2018, available at: <https://iccta.aast.edu/Keynotespeakers.php>
- PROBABILITY, FUZZY SETS, GENERALIZATIONS AND RELATIVE THEORIES, Plenary Lecture, 21st Conference on Mathematical and Computational Methods in Science and Engineering, WSEAS, Venice, March 2019, available at: www.wseas.org/wseas/cms.action?id=19926
- FROM ZADEH'S FUZZINESS TO SMARANDACHE'S NEUTROSOPHY: A REVIEW, Plenary Lecture, 7th Conference on Mathematics and Computers in Sciences and Industry (MCSI 2022), Marathon Beach, Athens Greece, August 2022, <http://mcsi-conf.org/plenary-speakers.php>
- ADVANCES AND APPLICATIONS OF SOFT COMPUTING, International Conference on Social and Natural Sciences (ICSNS' 23), Special Session, Madrid, Spain, 2023, canwestconference.org/icsns23/icsnns23_keyspeakers
- AN INTRODUCTION TO SOFT COMPUTING, ITAF 2023, Cairo, Egypt, itaf.info, 2023
- ARTIFICIAL INTELLIGENCE IN EDUCATION IN THE ERA OF THE FOURTH INDUSTRIAL REVOLUTION, Scientific Research and Innovative Studies Conference, Antalya, Turkey, <https://www.izdas.org/antalyakongresi>, 2023.
- APPLICATION OF SOFT SETS AND NEUTROSOPHIC SETS FOR INTRODUCING A MULTI-VALUED LOGIC IN ETHICS, The 1st Online Conference on Mathematics and Applications (MDPI), <https://sciforum.net/paper/view/14395>, 2023.
- ADVANCES OF SOFT COMPUTING, Webinar, Mathematics, <https://www.mdpi.com/journal/mathematics/events/16290>

- ADVANCES AND APPLICATIONS OF SOFT COMPUTING, International Conference on Applied Mathematics & Computer Science (ICAMCS), Special Session, Lefkada Island, Greece, 2023, www.icamcs.co/specialsessions.html

Reviews of the American Mathematical Society (49)

- MR2379099 (2008m: 13050), Richard, L. & Silvestrov, S., Quasi-Lie structure of derivations of $\mathbf{C}[[\hbar]]$, *Journal of Algebra*, 319 (2008).
- MR2387539 (2009a: 16051): Nasr-Isafani, A. R. & Moussavi, A., Oreextensions of skew Armendariz rings, *Communications in Algebra* 36 (2008), 508-522.
- MR2399663 (2009c: 13063), Nowicki, A., An example of a simple derivation in two variables, *Colloquium Mathematicum*, 113(2008), 25-31.
- MR2406603 (2009b: 13068), Jedrzejewicz, P., Eigenvector p – bases of rings of constants of derivations, *Communications in Algebra*, 36(2008), 1500-1508.
- MR2425088 (2009f: 13037), Jedrzejewicz, P., Linear derivations with rings of constants generated by linear forms, *Colloquium Mathematicum*, 113(2008), 279-286.
- MR2441131 (2009h: 16037), Nasr-Isafani, A. R. & Moussavi, A., Baer and quasi-Baer differential polynomial rings, *Communications in Algebra* 36 (2008), 3533-3542.
- MR2478226 (2009m: 16050), Ikehata, S., A note on separable polynomials of degree 3 in skew polynomial rings, *International Journal of Pure and Applied Mathematics*, 50(2009), 145-149.
- MR2514541 (2010g: 16048), Zhang, C. & Chen, J., Weak M-Armendariz Rings, *Journal of Southeast University (English Edition)*, 25(2009), 142-146
- MR2508157 (2010h: 16065), Lopez-Permouth, S. & Szabo, S., Matrix Representations of Skew Polynomial Rings with Semisimple Coefficient Rings, *Contemporary Mathematics*, 480 (2009), 289-298.
- MR254185 (2010j: 16059), L'moufadal, B. Y. & Mohamed, L., A note on σ -reversibility and σ -symmetry of skew power series rings, *Int. J. Algebra* 3(2009), no. 9-12, 435-442.
- MR2567182 (2010m: 13040) Bedratyuk, L., A note about the Nowicki conjecture on Weitzenböck derivations, *Serdica Math. J.* 35(2009), no. 3, 311-316
- MR2589120, (2011b: 16094), Bhat, V. K., $\sigma(*)$ -rings and their extensions as 2- primal rings, *East-West J. Math.* 10(2008), no. 1, 71-79.
- MR2604176 (2011e: 03070), Ameri, R. & Mahjoob, R., Spectrum of prime fuzzy hyperideals, *Iran. J. Fuzzy Syst.* , 6(2009), no. 4, 61-72.
- MR2642017 (2011f: 16058) Cortes, W. & Ferrero M., Partial skew polynomial rings over semisimple Artinian rings, *Comm. Algebra*, 38, No 5, 1663-1676.
- MR2728081 (2011j: 90212), Pardo, M. J. & Delafuente, D., Fuzzy Markovian decision processes: application to queueing systems, *Comput. Math. Appl.* 60(2010), no. 9, 2526-2535
- MR2732528 (2011k: 16005), Cose, H. , McCoy modules, *Algebras, Groups Geom.*, 27 (2010), no.1, 73-87.
- MR2755889 (2012a: 13049), Kojima, H., An algorithm for computing the kernel of a locally finite higher derivation up to a certain degree, *Colloq. Math.* 122 (2011), no. 1, 21-31.
- MR2845594 (2012j: 16066), Bergen, J. & Grzeszczuk, P., On rings with locally nilpotent skew derivations, *Communications in Algebra*, 39, 3698-3708, 2011.
- MR2883497 (2012j: 13045), Wakamiko, A., Bases for the derivation modules of two - dimensional multi-Coxeter arrangements and universal derivations, *Hokkaido Math. J.*, 40(3), 375-392, 2011.
- MR2869132 (submitted 5/7/2012), Kauta, J. S. , Hereditary orders in the quotient ring of a skew polynomial ring, *Proceedings of the AMS*, 140(5), 1473-1481, 2011.
- MR2954489 (submitted 18/8/2012), Li, J. & Du, X., Pairwise commuting derivations of polynomial rings, *Linear Algebra Appl.*, 436(7), 2375-2379, 2012
- MR2954489 (submitted 4/1/2013), Benkovic, D. & Sirovnik, N., Jordan derivations of unital algebras with idempotents, *Linear Algebra Appl.*, 437(9), 2271-2284, 2012.
- MR299238 (submitted 30/5/2013), Alhevaz, A., Moussavi, A., Hashemi, E., Nilpotent elements and skew polynomial rings, *Algebra Colloq.* , 19, 821-840, 2012.
- MR3063463 (submitted 20/11/2013), Marubayashi, h., Muchtadi-Alamsyah, Intan-Ueda, A., Skew polynomial rings which are generalized Asano prime rings, *J. Algebra Appl.*, 12 (7), 2013.
- MR3005317 (submitted 19/2/2014), Wang, Yao, Wang, Yu, Multiplicative Lie n -derivations of generalized matrix algebras, *Linear Algebra Appl.*, 433(5), 2599-2616, 2013
- MR3098175 (submitted 23/2/14), Golbasi, O., A note on commutative (σ, τ) – derivations, *Kochi J. Math.*, 8, 47-52, 2013.
- MR3126322 (submitted 8/5/2014), Lee T.- K., Liu, Generalized skew derivations with algebraic values of bounded degree, *Houston J. of Mathematics*, 39(3), 733-740, 2013.

- MR3154740 (submitted 17/10/2014), Toumi, M. A., The range inclusion results for algebraic nil derivations on commutative and non commutative algebras, J. Korean Soc. Math. Educ., 20(4), 243-249, 2013
- MR3201407 (submitted 8/9//2014), Kaydogorov, I. B., (d, s) – superderivations of semisimple finite-dimensional Jordan superalgebras, Math. Notes, 91 (1-2), 187-197, 2012.
- MR3210922 (submitted 17/10/2014), Skjelnes, R. K., Computng Hasse-Schmidt derivations and Weil restrictions over jets, Journal of Algebra, 411 (2014), 114-128.
- MR3166084, (submitted 16/1/2015), Perepecko, A., On solvability of the automorphism group of finite-dimensional algebra, J. Algebra, 403, 445-458, 2014.
- MR3188537 (submitted 12/3/2015), Gao, X., Guo, L., Constructions of free commutative integro-differential algebras in algebraic and algorithmic aspects of differential and integral operators, Lecture Notes in Comput. Sci. 8372, 1-22, Springer, Heidelberg, 2014.
- MR3363858 (submitted 29/1/2016), Castaing, C. et al., On the Integration of Fuzzy Level Sets, Advances in Mathematical Economics, 19, 1-32, 2015
- MR3425884 (submitted 14/3/2016), Baczynski, M. et al., Properties of the probabilistic implications and S-implications, Information Sciences, 331, 2-14, 2016
- MR3336059 (submitted 5/5/16), Song, G., Wu, Y., Xin, B., The σ -derivations of $C[x, y]$, Algebra Colloq., 22 (2015), no. 2, 251-218
- MR3404102 (submitted 5/5/16), Artemovych, O.D., Lukashenko, M.P., On rigid derivations in rings, Carpathian Math. Publ., 6(2014), no. 2, 181-190.
- MR3498999 (submitted 22/9/16), Hegedus, P., Zielinski, J., The constants of Lotka-Volterra derivations, Eur. J. Math 2 (2016), no. 2, 544-564.
- MR3547273 (submitted 28/1/17), Hernandez, J.M., Martinez, H., Δ^c -rings and its basic properties, Boletín de Matemáticas, 23(1), 21-33, 2016
- MR3618644 (submitted 25/9/17), Baltazar R., On simple Shamsuddin derivations in two variables, Annals of the Brazilian Academy of Sciences, 88(4), 2031-2038, 2016.
- MR3799177 (submitted 8/8/18), Benkovik, D. , Grasic, M., Generalized skew derivations on triangular algebras determined by action and zero products, Communications in Algebra, 46(5), 1859-1867, 2018
- MR3863489 (submitted 26/2/19), Miasnikov, N., Centralizers in free group algebras and nonsingular curves, Algebra 516, 490-513, 2018
- MR3909242 (submitted 15/5/19), Baez, J.C. & Courser, K., Coarse-Graining Open Markov Processes, Theory and Applications of Categories, 22(39), 1223-1268, 2018.
- MR3915511 (submitted 22/5/19), Chajda, I. Langer, H., Derivations in Lukasiewicz semirings, Miskolo Mathematical Notes, 19(2), 769-785, 2018..
- MR3991123 (submitted 26/2/20), Almulhem, M. & Brzezinski, T., Skew d4erivations on down-up algebras, presented in the 36th Workshop Geometric Methods in Physics (2017), Trends in Mathematics, 59-67, Springer Nature, Switzerland, AG, 2019.
- MR4171759 (submitted 16/2/21), Petakh, V. & Saks, M., On the rational relationships among pseudo-roots of non-commutative polynomial, Journal of Pure and Applied Mathematics, 225, 1-12, 2021.
- MR4254621 (submitted 2/9/21), Bell, J., Hamidizadeh, M., Huang, H., Venegas, H., Noncommutative analogues of a cancellation theorem of Abhyankar, Eakin and Heinzer, Beitr. Algebra Geom., 62, 2, 295-315, 2021.
- MR4379247 (submitted 9/4/22), Ning, N., Liu, W., Reconstructibility of a general DNA evolution model, Discrete Mathematics, 345, 112836, 2022.
- MR4420317 (submitted 10/9/22), Dan, Y., A note on isotropy groups and simple derivations, Communications in Algebra, 50(7), 2831-2839, 2022.

Publications in Greek Language

115 papers in Greek scientific journals and in Proceedings of PanHellenic Conferences, **5 technical reports** for Programs of Applied Research conducted in the Graduate T.E.I. of Western Greece and **14 Lecture Notes** on several mathematical topics.

Citations

3. Conclusion

Prof. M. Voskoglou has contributed significantly to Mathematics in the areas of Fuzzy Sets and Logic, Algebra, Markov Chains, Artificial Intelligence and Mathematics Education. His research work has been recognized and used by many researchers around the world.

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