

**TOPICAL LIST OF THE ORIGINAL RESEARCH
PAPERS AND BOOKS**

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 100. Postolică V. - *The Romanian Mathematics Education 2003 - 2004*. Invited Research Report at The 10th International Congress on The Mathematical Education (ICME-10), Technical University of Denmark, Copenhagen, July 4-11, 2004. Published in The Journal of The Korea Society of Mathematical Education Series D: Research in Mathematical Education, Vol.8, No.4 (Issue 20), December, 2004, p. 227-260, ISSN 1226 - 6191.

101. Postolică V. - *A Class of Generalized Dynamical Systems in Connection with Pareto Efficiency and Related Topics*. Invited Research Paper communicated to The International Conference "Complex Systems, Intelligence and Modern Technological Applications (CSIMTA'04 – Chairman Session INV2 - A), Monday 20.09.2004, 10⁰⁰- 12⁰⁰), Cherbourg, FRANCE, September 19 – 22, 2004. Published in the corresponding Electronic Proceedings Volume.
102. Postolică V., Nechita E., Crişan G. – *Ant Algorithms for Generalized Allocation Problems*. Invited Research Report at The International Symposium "Innovative Applications of Information Technologies in Business and Management" (InfoBUSINESS'2004), October 22-23, 2004, Iaşi, România. Published, as Abstract form, in the corresponding Proceedings Volume edited by Ph. D. Professor Ioan. I. Andone, p.146 – 148.
103. Postolică V. - *Efficiency and Choquet Boundaries in Separated Locally Convex Spaces*. International Journal of Mathematics and Mathematical Sciences, Volume 2004, no. 64, 16 November 2004, p. 3469 – 3483, ISSN 0161 – 1712, e-ISSN 1687- 0425.
104. Postolică V., Nimineţ V. – *Mathematics for Engineers, Economists and Managers*. Book published by Matrix Rom Publishing House, Bucharest, România, December 22, 2004, ISBN 973-685-848-0.
105. Postolică V., Spătaru - Burcă Genoveva – *Mathematical Analysis.Exercices and Problems*.The Second Edition. Book published by Matrix Rom Publishing House, Bucharest, România, 2004, ISBN 973-685-865-0.
106. Postolică V., Chiruţă I. - *Inroad in Reflexotherapy.Guide book in Reflexotherapy. Health by Massages, Foods and Natural Remedies*. Book achieved at 10th November of 2004 and published by Polirom Publishing House, Iaşi, România, January 2005, ISBN 973-681-880-2.
107. Postolică V. - *Basic Trigonometry.(English version)*. Book achieved at 25th of December 2004. Published by Matrix Rom Publishing House, Bucharest, România, 2006, ISBN (10) 973-755-033-1.
108. Postolică V. - *Fish Wars Studied by Splines and Efficiency*. Invited Research Report Submitted for Discussion at The 61st Meeting of The European Working Group "Multiple Criteria Decision Aiding". The University of Luxembourg, March 10 –11, 2005. Theme : Preference Modelling. The Abstract published in MCDA61, Proceedings Volume (Editors: R.Bisdorff, J.- L. Marichal, P. Meyer), p. 51.
109. Postolică V. - *Approximate Efficiency, Choquet Boundaries and Related Topics in Hausdorff Locally Convex Spaces*. Invited Research Report Presented at The Eighth SIAM Conference on Optimization, City Conference Centre, Stockholm, Sweden, May 15-19, 2005. Published in MCDA62 Papers, The 62-nd Meeting of The European Working Group "Multiple Criteria Decision Aiding"(Main theme of the Meeting : Infrastructure, Transport and Multicriteria Decision Aiding), The Swedish National Road and Transport Research

- Institute, Borlänge, Sweden, 22 – 23 September, 2005, p. 53/118-66/118. Published also in Rev. Studii și Cercetări Științifice, Seria Matematică, nr. 15/2005, p.135-152, Bacău State University, România, ISSN 1224 – 2519.
110. Postolică V. - *On the Best Approximation in H-Locally Convex Spaces and Related Topics*. Invited Research Paper submitted to Fejér-Riesz Conference, June 9-13, 2005, Eger, Hungary. Published as Abstract in the Volume containing the abstracts and the List of Participants.
 111. Postolică V. - *Recent Open Problems in Best Approximation*. Invited Research Paper (21 p.) presented at The National Conference of Mathematical Analysis and Applications, Craiova State University, Romania, September, 22 – 24, 2005.
 112. Postolică V., Liu Xiaolan, Zhu Jiang – *Ekeland's Principle and the Density of the Ekeland's Points in Topological Vector Spaces*. Nonlinear Analysis Forum 11(2), p. 153 – 163, 2006, ISSN 1226-7228.
 113. Postolică V. - *Choquet Boundaries and Recent Related Topics*. Invited Research Paper submitted at The 63rd Meeting of the European Working Group "Multiple Criteria Decision Aiding", Session 5 : "Theoretical Aspects", Porto, Portugal, March 30-31, 2006.
 114. Postolică V. - *Efficiency. Recent Results and Related Topics*. Invited Plenary Talk presented at The 5th International Conference on Operational Research: "Simulation and Optimization in Business and Industry", Tallinn, Estonia, May 17 - 20, 2006.
 115. Postolică V., Marian G., Munteanu M.T. - *New Optimization Methods Applied in the Production Planning and the Distribution on National Markets of Agricultural Machines*. Invited Research Report presented at The Romanian National Symposium "Complete Solutions for an Efficient Agriculture", on the occasion of the 85th Anniversary of S.C.Mecanica Ceahlău S.A., Piatra Neamț, România, June 29-July1, 2006. Published in the Volume entitled "Modern Techniques in the Management, Conception and the Achievement of the Machines and the Equipments", p. 5-34. Bren Publishing House, Bucharest, 2006 and in Rev. Studii și Cercetări Științifice, Seria Matematică, Bacău, România, nr.16/2006, p. 209-238, ISSN 1224 – 2519.
 116. Postolică V. - *A Survey on The Efficiency*. Plenary Talk at The International Conference on Mathematics and Informatics, Bacău University Romania, September 18-20, 2006 and 40 Minutes Presentation at The 64th Meeting of The EURO Working Group & Multicriteria Decision Aiding, 28 – 30 September, 2006 at The Technological Education Institute in Larissa, Greece. Published in the Corresponding Proceedings Volume: Supplement of Studii și Cercetări Științifice, Seria Matematică, Bacău, Romania, nr.16/2006, p. 223 – 262, ISSN 1224 – 2519.
 117. Postolică V. - *Efficiency by Applied Mathematics: Mathematical Analysis. Immediate Applications. Topical Efficiency and in Prospect*. Book published by Matrix Rom Publishing House, Bucharest,

- România, 2006, ISBN (10) 973-755-108-7,
ISBN (13) 978-973-755-108-5.
118. Postolică V. - *Syntheses from Foundations of Mathematics and Applications*. Book published by Matrix Rom Publishing House, Bucharest, România, 2007, ISBN 978-973-755-132-0.
 119. Postolică V., Yu Yajuan, Zhu Jiang – *Initial Value Problems for First order Impulsive Integro-Differential Equations of Volterra Type in Banach Spaces*. Journal of Function Spaces and Applications 5 (1), p. 9 - 26, 2007, ISSN 0972 – 6802.
 120. Postolică V. - *Recent Related Topics on Pareto Efficiency in Infinite Dimensional Vector Spaces*. Submitted for publication in the Proceedings of the Estonian Academy of Sciences on 29 January, 2007.
 121. Postolică V. - *A Recent Survey on Pareto Efficiency in Infinite Dimensional Vector Spaces*. Invited Research Report presented at The European Working Group Multiple Criteria Decision Aiding Meeting (MCDA'65, Poznań, Poland, April 12 -14, 2007). Submitted for discussion and MCDA'66, Marrakesh, Morocco, 18-20 October, 2007 in the Session 1; Chairman of Session 3). The Abstract published in the Official Programme.
 122. Postolică V. – *Recent Results on Pareto Efficiency in Infinite Dimensional Vector Spaces*. Research Work Communicated at the 2nd International Workshop on Multi - Criteria Decision Making (MCDM'07) accompanying by the Sixth National Scientific Conference “Preference Modeling and Risk'07”, April 14 -17, 2007, Ustron, Poland. To be published in the appropriate Scientific Journal.
 123. Postolică V. - *Present and Views by Efficiency*. Research Communication for the Spring Conference of Romanian Academy of Scientists, Central Hotel of Piatra Neamț County, România , April 20, 2007.
 124. Postolică V. - *A Coincidence Result between the Sets of Approximate Efficient Points and Choquet Boundaries in Ordered Locally Convex Spaces*. Research Report presented at the 6th Congress of Romanian Mathematicians, Bucharest, România, June 28 – July 4, 2007. Proceedings of the Sixth Congress of Romanian Mathematicians, Bucharest, 2007, Vol.1, pp. 295-299.
 125. Postolică V. – *Efficiency and Optimization*. Invited Research Report presented at The 6th International Congress on Industrial and Applied Mathematics, Zürich, Switzerland, 16 – 20 July, 2007. Accepted for publication in the corresponding Proceedings Volume.
 126. Postolică V. – *Efficiency or/and Optimization*. Invited Lecture presented to The 9th National Conference on Mathematical Analysis and Applications (CAMA'07), University “Al. I. Cuza” Iași, România, October 26 – 27, 2007. To appear in An. Șt. Univ. “Al. I. Cuza” Iași, România.
 127. Postolică V. – *Present and Future in Efficiency*. Invited Research Report presented at the 7th Conference with International Participation “Constructive and Technological Design Optimization

- in the Machines Building Field”, Bacău State University, Faculty of Engineering, November 1 – 3, 2007. Published by the Romanian Technical Sciences Academy and Bacău State University in Vol. 3 entitled “Modelling and Optimization in the Machines Building Field”, MOCM-13, ISSN 1224 -7480, Alma Mater Publishing House, Bacău, România, p. 213 – 219, 2007.
128. Postolică V. – *Approximate Efficiency and Applications*. Lecture presented at National Conference of Mathematics and Computer Science (CNMI’2007), Bacău State University, Romania, November 16 – 17, 2007. Published in Stud. Cercet. Știint., Ser. Mat., 17 (2007), Supplement Proceedings of CNMI 2007, Bacău, Sept. 2007, p. 201-220, ISSN 1224 - 2519.
 129. Postolică V. - *Efficiency by Applied Mathematics: Mathematical Analysis. Multiple Applications. Efficiency and Optimization*. Book published by Matrix Rom Publishing House, Bucharest, România, December 10, 2007, ISBN 978-973-755-274-7.
 130. Postolică V., Burcă G.- *Mathematical Analysis. Exercises and Problems. Applications for the students*. Alma Mater Publishing House, Bacău, România, 2007, ISBN 978-973-1833-63-7.
 131. Postolică V. - *Choquet Boundaries and Efficiency*. Computers and Mathematics with Applications, 55, 2008, p. 381 – 391, ISSN 0898 –1221.
 132. Postolică V. – *Efficiency and Applications*. Invited Research Report presented at the 79th Annual Meeting of the International Association of Applied Mathematics and Mechanics, Section 16: “Optimization”, on Wednesday, 02.04.2008 (GAMM’08, University of Bremen, Germany, March 31 – April 4, 2008). Article first published online: 26 Feb.2009 DOI:10.1002/PAM.Proc.Appl.Math.Mech.200810783 Special Issue:79th Annual Meeting of the International Association of Applied Mathematics and Mechanics (GAMM) Bremen 2008, Volume 8, Issue 1, pages 10783-10794, December, 2008.
 133. Postolică V. – *Foundations of Mathematics at the Present Time by Efficiency*. Book published by Matrix Rom Publishing House, Bucharest, România, April 18, 2008, ISBN 978-973-755-334-8.
 134. Postolică V. – *Efficiency*. Invited Paper submitted for discussion at the 67th Meeting of the European Working Group”Multiple Criteria Decision Aiding”, Rovaniemi, Lapland, Finland, April 3 – 5, 2008.
 135. Postolică V. – *The Romanian Mathematics Education Now*. Invited Research Report presented at The Fifth European Congress of Mathematics, 14 – 18 July, 2008, Amsterdam RAI, The Netherlands. Published, as a first version, in Studii și Cercetări Științifice, Seria Științe Socio-Umane, Bacău, România, nr.12/2008, p. 275 – 296, ISSN 1224-9866. Submitted, in the final form, for publication in the Journal of the Korea Society of Mathematical Education on 30 July, 2008.
 136. Postolică V. – *Efficiency and Applications*. Invited Research Paper submitted to ATOM-N 2008, 4th Edition: Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies, 28-31

- August 2008, Constanta, Romania. Published in Proceedings in Applied Mathematics and Mechanics (PAMM) edited by Gesellschaft für Angewandte Mathematik und Mechanik (GAMM), Vol.8, No.1, December 2008, p. 10783-10794. First published Online 26 February 2009, DOI:10.1002/pamm200810783. Online ISSN:1617-7061.
137. Postolică V. - *A Survey on Pareto Efficiency in Infinite Dimensional Vector Spaces*. Foundations of Computing and Decision Sciences, Vol. 33, No. 3, 2008, p. 271-284, ISSN 0867-6356, Index 35830, The Publishing House of Poznań University of Technology, Poland.
 138. Piştea P., Postolică V. – *About Constancy of Natural Constants and the Universe Models*. Studii și Cercetări Științifice, Seria Matematică, Bacău, România, nr.18/2008, p. 221 – 232, ISSN 1224-2519.
 139. Postolică V. – *Approximate Efficiency in Infinite Dimensional Ordered Vector Spaces*. International Journal of Applied Management Science (IJAMS), Vol. 1, No. 3, 2009, p. 300 – 314, ISSN (Online): 1755-8921, ISSN (Print):1755 - 8913.
 140. Postolică V. – *Optimization and Applications: Abstract Spaces. Efficiency. Immediate Projections and Prospect*. Book published by Matrix Rom Publishing House, Bucharest, România, March,19 , 2009, ISBN 978-973-755-479-6.
 141. Postolică V. – *Efficiency and Recent Applications*. Invited Research Report and Poster presented at XVI International Congress on Mathematical Physics, Prague, Czech Republic, August 3 – 8, 2009. The Abstract published in the first volume containing Programme, Abstracts and the List of Participants, p.112.
 142. Postolică V. – *Efficiency and Multifunctions*. Plenary Talk presented at “Gheorghe Vrănceanu” International Conference on Mathematics and Informatics, Second Edition, ICMI 2, Bacău, Romania, September 8 - 10, 2009. Published in the corresponding Proceedings Volume Scientific Studies and Research, Series Mathematics and Informatics, Vol.19 (2009), no. 2, p. 415 – 436, ISSN 2067 - 3566.
 143. Postolică V. – *Efficiency in the Infinite Dimensional Ordered Vector Spaces (I)*. Invited Research Report presented at the Faculty of Mathematics and Computer Science, University of Lodz, Poland, October 13, 2009. To be published in Folia Mathematica, Faculty of Mathematics and Computer Science, Lodz University, Poland.
 144. Postolică V. – *Preferences under Efficiency*. Contributed Paper submitted for discussion at the 72nd Meeting of the European Working Group “Multiple Criteria Decision Aiding”, October 7 - 9, 2010, L’Ecole Centrale Paris, France.
 145. Postolică V. – *Isac’s Cones and Applications*. Research Report presented on Friday, June 25, 2010 at “Alexandru Myller” Mathematical Seminar Centennial Conference, June 21-26, 2010, Iași, România and, as a completed Research Work, at The National Conference with International Participation on Mathematics and Informatics “Gheorghe Vrănceanu” May 26-28, 2011, Bacău, România. Published by Inderscience Publishers in International Journal of Applied Management Science (IJAMS), Vol. 3, No. 4, 2011, p. 385 – 393, ISSN (online): 1755-8921,

- ISSN (print):1755 – 8913, DOI:10.1504/IJAMS 2011.042951.
146. Postolică V. – *A Survey on Theoretical and Applied Mathematics under the Efficiency*. Research Report presented at The 18th International Conference on Applied and Industrial Mathematics, October 14 – 17, 2010, Iași, România. Published in Global Journal of Science Frontier Research, Global Journals Inc. (USA) ,Volume 10, Issue 7, Version 1.0, November 2010, p. 53 – 81, ISSN: 0975 – 5896.
 147. Postolică V. – *The Romanian Mathematics Education 2010-2011*. Research Report setted forth as Virtual Presentation (Paper ID: 199. Session: *Experiences in Education. New projects and innovations*) at the International Technology, Education and Development Conference, Valencia (Spain) 7 – 9 March, 2011. Published in INTED2011 Proceedings CD edited by L. Gómez Chova, I. Candel Torres, A. López Martínez, International Association of Technology, Education and Development IATED, Valencia, Spain, pp. 3375-3385, ISBN: 978-84-614-7423-3.
 148. Postolică V. – *A Class of Optimal Splines mixed up in Multicriteria Evaluation and Related Topics*. Research work submitted for discussions in Session 6 entitled "Decision Models and Parameters Elicitation" at The 73nd Meeting of EWG-MCDA (The European Working Group "Multiple Criteria Decision Aiding"), University of Corsica, Corte, France, April 14 – 16, 2011.
 149. Postolică V. – *Efficiency under Isac's Cones*. Research paper submitted to The 82nd Annual Meeting of the International Association of Applied Mathematics and Mechanics (GAMM), Graz University of Technology, Graz, Austria, April 18 – 21, 2011.
 150. Postolică V., Garrido A. – *Modern Optimization*. Book published in English by Matrix Rom Publishing House, Bucharest, România, April 15, 2011, ISBN 978-973-755-697-4.
 151. Postolică V. – *Efficiency following the Ordering Cones*. Invited Plenary Talk presented at the MCDM2011 Pre - Conference Seminar, Aalto School of Economics, Helsinki, Finland, Saturday, 11 June, 14⁰⁰, 2011.
 152. Postolică V. – *Efficiency under Isac's Cones and Extensions*. Invited Research Report presented inside of Discussion Session Programme (Monday, June 13, 2011, Room Alfa, 18⁰⁰) of The 21st International Conference on Multiple Criteria Decision Making (MCDM2011), University of Jyväskylä, Finland, June 13 – 17, 2011 and to The Seventh Congress of Romanian Mathematicians, June 29 – July 5, 2011, Braşov, Romania (Wednesday, June 29, 2011, Section VII:Theoretical Computer Science, Operations Research and Mathematical Programming, Room H6, 17⁵⁰).
 153. Postolică V. – *On the Equilibria of Generalized Dynamical Systems*. Invited Research Report presented inside the Session entitled "Dynamical systems, jets Theory and their Applications; quadratic Dynamical Systems" of The 19th International Conference on Applied and Industrial Mathematics (CAIM 2011) at "Ion Ionescu de la Brad" University of Iași, Romania, September 22 – 25, 2011. Published in Axioms (December 2012), vol.1, issue 3, 384-394; doi:10.3390/axioms1030384, ISSN(online): 2075-1680, <http://www.mdpi.com/2075-1680/1/3/384>.
 154. Postolică V. – *Efficiency and Extensions in Infinite Dimensional Ordered Vector Spaces*. Published by International Scientific Press in Theoretical Mathematics

- &Applications, Vol. 2, No. 1, 2012, p. 35-79, ISSN(online): 1792 – 9709, ISSN(print): 1792 – 9687.
155. Postolică V. – *Applied Mathematics: Mathematical Analysis. Immediate Applications and Views. Lectures for Engineering students*. Book published by Alma Mater Publishing House, Bacău, România, January 16, 2012, ISBN 978-606-527-157-9/2011.
 156. Postolică V. – *General Equilibria*. Research Work prepared for the The first International Conference on Moldavian Risks – From Global to Local Scale - RiskMold2012, 16 – 19 May, 2012, Bacău, Romania. Contributed paper submitted for discussion at the 76th Meeting of the European Working Group”Multiple Criteria Decision Aiding”, University of Portsmouth, Business School, UK, 13th – 15th September, 2012. Published online, as Original Research Article, in British Journal of Mathematics & Computer Science (BJMCS), Vol. 4, Issue 8, 16-30 April, 2014, ISSN 2231-0851, p.1048 - 1073, DOI:10.9734/BJMCS/2014/5967.
 157. Postolică V. – *Isac’s Cones in General Vector Spaces*. Invited Research Report at The 6th European Congress of Mathematics (Satellite Thematic Session: Geometric Methods in Calculus of Variations), Krakow, Poland, July 2 -7, 2012. The completed version published as Chapter 121, Category: Statistics, Probability, and Predictive Analytics, vol.3, p.1323-1342, in Encyclopedia of Business Analytics and Optimization – 5 Vols. (Ed. [John Wang, PhD.](#), Montclair State University, USA.), IGI Global, ISBN: 978-1-4666-5202-6(hardcover); 978-1-4666-5203-3(ebook); 978-1-4666-5205-7(print&perpetual access); DOI: 10.4018/978-1-4666-5205-7; © 2014; 2754 pages..
 158. Postolică V. – *Efficiency by Mathematics*. Invited Research Report submitted for presentation to the United Nations Conference on the World Financial and Economic Crisis and Its Impact on Development, 23-26 April, 2013 at the International Conference Center London, United Kingdom and accepted in the Technical Session on “Accounting & Financial regulations”, 25th April 2013, 11:40. Exposed, in a completed form, at the 8th edition of “Gheorghe Vrănceanu” National Conference on Mathematics and Informatics, May 31th, 2013, “Vasile Alecsandri” University o Bacău, Faculty of Sciences, Department of Mathematics, Informatics and Educational Sciences. Scientific Studies and Research, Series Mathematics and Informatics, Vol. 23 (2013), No. 1, p. 151 – 160.
 159. Postolică V. – *Isac’s Cones at Various Topologies*. Invited Research Report represented inside the Special Session *Mathematical Finance, Stochastic Analysis and Partial Differential Equations Programme* Friday, June 2013, Room A5, Building C, 11³⁰-12²⁰, with its Abstract included in the Program Abstracts of the Joint International Meeting of the American Mathematical Society and the Romanian Mathematical Society,”1 Decembrie 1918” University of Alba Iulia, June 27 – 30, 2013, Alba Iulia, Romania. Int. J. Data Science, Vol. 1, No. 1, 2015, p. 73 – 83, DOI:10.1504/IJDS2015.069048.
 160. Postolică V. – *Necessary Incursions in Didactic Mathematics*. Book published by Matrix Rom Publishing House, Bucharest, România, September 15, 2013, ISBN 978–973–755–992–0.
 161. Postolică V., Nechita E., Lupu C. – *The Romanian Mathematics and Informatics*

- Education*. Published online, as Original Research Article, in British Journal of Education, Society & Behavioural Science (BJESBS), Vol. 4, Issue 2, February, 2014, p. 226 – 240, ISSN 2278-0998.
162. Postolică V. – *Selected Questions on the Efficiency*. Invited research work presented at the Workshop on Innovative, Multidisciplinary Research between Bacău and Lugano - *Teaching Informatics for a Sustainable Society* inside Swiss-Romanian Cooperation Programme, May 12, 2014.
 163. Postolică V., Dumitriu Gh. – *A Mathematical Model for Performance and Risk in the Science Education*. Invited research work presented at the Second International Conference on Natural and Anthropic Risks (ICNAR), in Section 5 entitled “Educational and Social Risk”, Room DP12 (Building D) -5 June 2014, 15⁰⁰, Bacău, Romania. The abstract published in the corresponding electronic and printed Volume of the Abstracts (ISSN 2360-4018), p. 210. Published in the North American Open Educational Research Journal, Vol.1, No.1, November 2014, pp. 1 – 5. Available online at <http://narpub.com/Journals.php>.
 164. Postolică V. – *An Introduction to Trigonometry and its Applications*. Book Published by Bentham Science Publishers, DOI:10.2174/97816080595081140101, e-ISBN: 978-1-60805-950-8, 2014; Print ISBN: 978-1-60805-951-5.
 165. Postolică V. – *A Coincidence between the General Efficiency and the Approximate Dominance*. Invited and presented plenary talk (Saturday, September 20, 11²⁰-12⁰⁰) at the 22nd Conference on Applied and Industrial Mathematics (CAIM 2014) Bacău, Romania, September, 18-21, 2014. ROMAI Journal, Vol. 10, No. 2/2014, p. 101 – 120.
 166. Postolică V., Lupu C. – *Euclidean Geometry and Computers*. Published online, as Original Research Article, in the International Journal of Applied Science and Mathematics (IJASM), Vol. 2, Issue 1, Jan. – Feb., 2015, p. 1 – 6, ISSN (Online): 2394 – 2894.
 167. Postolică V. – *Sequences in Applied Mathematics*. Book published by Matrix Rom Publishing House, Bucharest, România, February 15, 2015, ISBN 978-606-25-0131-0.
 168. Postolică V. – *Isac’s Cones*. Invited Research Report presented at The Eighth Congress of Romanian Mathematicians, Section 5: Functional Analysis, Operator Theory and Operator Algebras, Mathematical Physics, Iași, România, June 26th – July 1st, 2015. The Abstract published in the Programme and the Abstract Book, p. 107. Research work published as Original Research Article in British Journal of Applied Science & Technology, 15(4): 1-8, 2016, Article no.BJAST.24007, ISSN 2231-0843, NLM ID:101664541 DOI:10.9734/BJAST/2016/24007.
 169. Postolică V. – *Efficiency in the Infinite Dimensional Ordered Vector Spaces (II)*. Invited and presented plenary talk (Saturday, September 19 (10²⁰-11⁰⁰) at the 23rd Conference on Applied and Industrial Mathematics (CAIM 2015) Suceava, Romania, September, 17-20, 2015. Published in ROMAI Journal, Vol. 11, no. 2/2015, p. 25 – 49.
 170. Postolică V., Lupu C. – *Cognitive Organizational Elements used in the Designed Heuristic Training Strategies*. Invited research work presented at the National Conference ”Advertising, Education, Development, Orientation”- CEDO 2015, “Vasile Alecsandri” University of Bacău, Romania, 7 - 9 October, 2015.
 171. Postolică V. – *General Efficiency and Global Optimization*. Book published

by Matrix Rom Publishing House, Bucharest, România, March 20, 2016, ISBN 978-606-25-0232-4.

172. Postolică V., Lupu C. – *Educational Efficiency by Gradual Performances*. Research work accepted for publication in the International Educational Scientific Research Journal (IESRJ, E - ISSN: 2455-295X) on Tuesday, May 31, 2016. Published in IESRJ, Vol. 2, Issue 6, June 2016, p. 95 – 96.

173. Postolică V. – *General Efficiency (I) and Applications*. Invited and presented Conference (May 10, 2016: 11.30, tendrá lugar en el Aula Luis Rodriguez Marin Sala 2.32 E.T.S.I. Industriales c/ Juan del Rosal 12, Ciudad Universitaria) inside the Staff Mobility for Teaching, Erasmus+ Programme, Universidad Nacional de Educación a Distancia (UNED), Madrid, Spain, May 07 – 14, 2016.

174. Postolică V. – *General Efficiency (II)*. Invited research work at the 7th European Congress of Mathematics, July 18 – 22, 2016, TU Berlin, Germany. Presented in the Contributed Session 16, CS-16-B: “*Optimization and Control*” on Tuesday, July 19, 2016, 10:40. The Abstract published in the Book of Abstracts, p. 606. Published as Research Paper in IOSR Journal of Mathematics (IOSR-JM) e-ISSN:2278-5728, p-ISSN: 2319-765X, Volume 13, Issue 2 Ver I (Mar.-Apr. 2017), pp. 79-94, DOI: 10.9790/5728-1302017994 provided by Cross Ref, USA, www.iosrjournals.org.

175. Postolică V. – *Open Problems in the General Efficiency*. Invited and presented plenary talk at the 24th Conference on Applied and Industrial Mathematics (CAIM 2016), Craiova, Romania, September,15-18, 2016. Published in ROMAI Journal, Vol. 12, no. 2/2016, p. 117 – 141.

176. Postolică V. – *Selected Open Problems in Vectorial Optimization*. Invited research work at the 9th Edition of “Gheorghe Vrănceanu” Conference on Mathematics and Informatics, December 6th 2016, “Vasile Alecsandri” University of Bacău, Faculty of Sciences, Romania. Published in Scientific Studies and Research, Series Mathematics and Informatics, Vol. 27 (2017), No.1, p. 101 -112, “Vasile Alecsandri” University of Bacău, Faculty of Sciences, Romania.

177. Postolică V. – *Efficiency and Vectorial Optimization*. Session chair and expert speech (Sunday, September 03) at the 5th International Multi – Disciplinary Conference organized by Institute of Research Engineers and Doctors - IRED, USA September 02 – 03, 2017, Zurich, Switzerland. Published in International Journal of Scientific and Innovative Mathematical Research (IJSIMR), Vol. 6, No. 2, p. 41 – 65, 2018. <http://dx.doi.org/10.20431/2347-3142.0602004>.

178. Postolică V. – *A Survey on the Best Approximation by Splines*. Invited and presented plenary talk (Saturday, September 16) at the 25th Conference on Applied and Industrial Mathematics (CAIM 2017), Iași, Romania, September 14 - 17, 2017. Published in ROMAI Journal, Vol. 13, no. 2(2017), p. 117 – 141.

179. Postolică V. – *Equilibria by Fixed Points*. Invited research work at the 10th Edition of “Gheorghe Vrănceanu” National Conference on Mathematics and Informatics, December 8th, 2017, “Vasile Alecsandri” University of Bacău, Faculty of Sciences, Romania. Published in Scientific Studies and Research, Series Mathematics and Informatics, Vol. 27 (2017), No.2, p. 59 - 64, “Vasile Alecsandri” University of Bacău, Faculty of Sciences, Romania.

180. Postolică V. – *Optimality in Vector Spaces*. Invited and presented research work at the 6th International Symposium on Computational and Business Intelligence Basel, Switzerland (ISCBI 2018, August 27-29, 2018) inside the Session I “*Intelligent Algorithm Design and Optimization*” August 28, 2018: 02:15 p.m.-02:30 p.m. Official

member of the International Program Committee at ISCBI 2018 and Chair of the Session IV "Advanced Information Technology and Applications" August 28, 2018: 03:45 p.m.-05:40 p.m.

181. Postolică V. – *Splines for the Set Functions*. Submitted as plenary talk at the 26th Conference on Applied and Industrial Mathematics (CAIM 2018), Chişinău, Moldova, September 20 - 23, 2018.