

CURRICULUM VITAE ET STUDIORUM - March 2022

PERSONAL DATA

Name: Francesco Belardo

Date and Place of Birth: 26 December 1978, Barcellona Pozzo di Gotto, Italy

Citizenship: Italian

Marital Status: Married, with two children

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- (home) Cda Maldariti, II Traversa, 13, 89131 Reggio Calabria (RC).

- (office) Dipartimento di Matematica e Applicazioni, Università di Napoli “Federico II”, Via Cintia - Monte Sant’Angelo, 80126 Napoli, Italia

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- Google Scholar: https://scholar.google.it/citations?user=qkN0_BsAAAAJ

EDUCATION

- **19 July 1997** Scientific High School Diploma at Liceo Scientifico “E. Medi” of Barcellona P.G. (Messina Province, Italy).
- **25 July 2001** BSc/MSc degree in Mathematics at University of Messina.
- **19 February 2007** Ph.D. in Mathematics, ciclo XVIII (2002-2006), at University of Messina.

PROFESSIONAL ACTIVITIES

- **Oct 2015 – present** Associate Professor of Geometry at Department of Mathematics and Applications “R. Caccioppoli”, University of Naples “Federico II”.
- **Jun 2014 – Sep 2015** Associate Professor at FAMNIT, University of Primorska.
- **Oct 2012 – Sep 2013** Research Fellow at Department of Mathematics and Computer Science, University of Messina.
- **Jul 2010 – Jul 2011** Research Fellow at Department of Mathematics, University of Messina.
- **Jul 2008 – Jul 2010** Post-Doctoral Fellow at Department of Mathematics, University of Messina.
- **Nov 2002 – Oct 2006** Ph.D. Student in Mathematics at University of Messina.

RESEARCH ACTIVITY

The research activity lies in Combinatorics, especially Spectral Graph Theory, Combinatorial Matrix Theory, and their interactions and applications to other fields.

Main topics considered during the research are: 1) Identification of extremal graphs with respect to some prescribed spectral invariant (adjacency matrix, Laplacian matrix, etc.); 2) Spectral characterization and determination of graphs; 3) Ordering of graphs with respect to spectral or topological invariants; 4) Spectral Theory of Signed and Gain Graphs; 5) Combinatorial Matrix Theory; 6) Applications of Graphs Spectra to Computer Science and Chemistry; 7) Topological indices in Chemical Graph Theory.

Author of 70+ scientific papers with 30+ co-authors.

EDITORIAL ACTIVITY

★ Editor for the following journals:

- Associate Editor of the journal “The Electronic Journal of Linear Algebra”, ISSN: 1081-3810, since 2020. <https://journals.uwo.edu/index.php/ela>
- Editorial Board Member of the journal “Ars Mathematica Contemporanea”, ISSN: 1855-3966, since 2020. <https://amc-journal.eu/index.php/amc>
- Editorial Board Member of the journal “Discrete Mathematics Letters” (Pakistan), ISSN: 2664–2557, since 2018. <http://www.dmlett.com/>
- Editorial Board Member of the journal “The Art of Discrete and Applied Mathematics” (Slovenia), ISSN: 2590–9770, since 2018. <https://adam-journal.eu/index.php/ADAM>
- Editorial Board Member of the journal “Communications in Combinatorics and Optimization” (Iran), ISSN: 2538–2128, since 2015. <http://comb-opt.azaruniv.ac.ir/>
- Section Editor of “Graph Theory” for the journal “FILOMAT” (Serbia) ISSN: 0354–5180, from 2013 to 2018. <http://journal.pmf.ni.ac.rs/filomat/index.php>

★ Guest Editor:

- Volume 96 Supplement n. 2 (2018) “Atti della Accademia Peloritana dei Pericolanti - Classe di Scienze Fisiche, Matematiche e Naturali”, ISSN: 1825-1242.
http://cab.unime.it/journals/index.php/AAPP/issue/view/Vol96_Supplement2
- Volume 1 n. 2 (2018) “The Art of Discrete and Applied Mathematics”, ISSN: 2590–9770.
https://doi.org/10.26493/2590-9770.1_2
- Volume 40 number 2 (2020) “Discussiones Mathematicae Graph Theory”, ISSN: 2083–5892, devoted to the memory of Slobodan K. Simić.
<https://www.dmgmt.uz.zgora.pl/publish/volume.php?ID=18158>
- Volume 11 number (to be assigned, 2022) “Transactions on Combinatorics”, ISSN: 2251-8657.

★ Referee/Reviewer for the journals (selection):

- Ars Combinatoria
- Applicable Analysis and Discrete Mathematics
- Applied Mathematics Letters
- Computers and Mathematics with Applications
- Discrete Applied Mathematics
- Discrete Mathematics
- Electronic Journal of Combinatorics
- Filomat
- Graphs and Combinatorics
- Linear Algebra and its Applications
- Linear and Multilinear Algebra
- MATCH
- Publications de l’Institute Mathématique (Beograd)
- Utilitas Mathematica.

 SYMPOSIUM, WORKSHOP AND CONGRESS ORGANIZATION ACTIVITY

- 13th Serbian Mathematical Congress, Member of the International Scientific Committee, Vrnjačka Banja - Serbia, 22 - 25/05/2014.
<http://tesla.pmf.ni.ac.rs/people/smak/index.php>
- Spectra of graphs and applications 2016, Member of the Scientific Committee, Belgrade - Serbia, 18 - 20/05/2016.
<http://www.mi.sanu.ac.rs/conferences/sga2016.htm>
- The 13th International Conference on Finite Fields and their Applications - Fq13, Member of the Organizing Committee, Gaeta - Italy, 04 - 10/06/2017.
<http://www.dma.unina.it/Fq13/>
- Hypergraphs, Graphs and Designs - HyGraDe 2017, Chair of the Organizing Committee (with G. Lo Faro), Sant'Alessio Siculo - Italy, 20 - 24/06/2017.
www.dma.unina.it/HyGraDe
- Workshop on Algebraic Graph Theory and Complex Networks 2018 - WAGTCN 2018, Member of the Organizing Committee, Napoli - Italy, 13 - 14/09/2018.
www.dma.unina.it/WAGTCN
- International Conference on Recent Achievements in Mathematical Science, Membro del Comitato Scientifico, Yazd - Iran, 14 - 18/01/2019.
<http://confs.yazd.ac.ir/yicrams/ConfSCommittee.aspx>
- 9th Slovenian International Conference on Graph Theory - Bled '19, Organizer of the Special Session "Spectral Graph Theory", Bled - Slovenia, 24 - 30/06/2019.
<https://conferences.matheo.si/event/28/overview>
- Workshop on Graphs, Topology and Topological Groups, Co-organizer (with F.G. Russo), Cape Town - South Africa (online Zoom platform), March 10, 2021.
<https://sites.google.com/site/topolalgeb/home/conferences/wgttg2020>
- 8th European Congress of Mathematics - 8ECM, Co-Organizer (with C. Dalfó) of the Mini Symposium "Spectral Graph Theory" (MS-ID46), Portorož - Slovenia, June 20 - 26, 2021.
<https://www.8ecm.si/minisymposia>

 COMMUNICATIONS AT WORKSHOPS AND CONGRESSES (SELECTION)

- "Combinatorics '04", Acireale - Italy, 13–18/09/2004, Title: *The largest eigenvalue of Caterpillars*.
- "6th Slovenian International Conference on Graph Theory – Bled '07", Bled Jezero - Slovenia, 24–30/06/2007, Title: *The minimal index of trees with a small diameter*.
- "Workshop on Spectral Graph Theory with applications in Computer Science, Combinatorial Optimization and Chemistry", Rio de Janeiro - Brazil, 01–04/12/2008, Title: *On the spectral radius of line graphs of caterpillars*.
- "16th Conference of the International Linear Algebra Society - ILAS 2010", Pisa - Italy, 21–25/06/2010, Title: *The structure of graphs with small M-indices*.
- "Combinatorics 2012", Perugia - Italy, 09–15/09/2012, Title: *On the spectral radius of bidegreed graphs under some graph perturbations*.

- “13th Serbian Mathematical Congress”, Vrnjačka Banja - Serbia, 22 – 25/05/2014, *Invited Speaker* for the field *Set theory, Topology, Logic, Algebra, Discrete Mathematics, Number Theory*. Title: *Algebraic Frustration of signed graphs*.
- “Conference on Computational Algebra, Computational Number Theory and Applications - CACNA 2014”, Kashan - Iran, 17 – 20/12/2014, *Plenary Speaker*. Title: *Spectral Theory of Signed Graphs*.
- “8th Slovenian Conference on Graph Theory”, Kranjska Gora - Slovenia, 21 – 27/06/2015. Title: On the eigenspaces of signed line graphs and signed subdivision graphs.
- “10th Conference on Graph Theory and Algebraic Combinatorics - GTACC10”, Yazd - Iran, 17 – 18/01/2018. *Plenary Speaker*. Title: *Spectral Determination of Signed Graphs*.
- “Combinatorics 2018”, Arco - Italy, 03 – 09/06/2018. *Plenary Speaker*. Title: *Connected graphs of fixed order and size with extremal spectral radius*.
- “8th PhD Summer School in Discrete Mathematics”, Rogla - Slovenia, 01 – 07/07/2018. *Invited Speaker*. Title: *Recent developments on the spectral determination of signed graphs*.
- “22nd Conference of the International Linear Algebra Society - ILAS 2019”, Rio de Janeiro - Brazil, 08 – 12/07/2019. Title: *Laplacian, Subdivision and Line graph of loopless weighted graphs*.

ACADEMIC TEACHING ACTIVITY

- Docent of “Geometria e Algebra” (SSD MAT/03, 6 CFU, 48h) – Canali DAP-IER e IES-PIS, Degree Course in Engineering Management of Logistics and Production, University of Naples “Federico II”, academic years 2016-2017, 2017-2018, 2018-2019, 2019-2020, 2020-2021, and 2021-2022.
- Docent of “Spectral Graph Theory and Eigenvalue Location” (20h) Ph.D. Course in Mathematics, University of Naples “Federico II”, academic year 2020-2021.
- Docent of “Teoria dei Grafi” (20h) Ph.D. Course in Mathematics, University of Naples “Federico II”, academic year 2015–16.
- Docent of “Geometria e Algebra” (SSD MAT/03, 6 CFU, 48h) – Canali C-K e L-R, Degree Course in Computer Engineering, Università di Napoli “Federico II”, academic year 2015–16.
- Docent of “Analysis I” (6 CFU - 45h), “Mathematical Topics in English I” (6 CFU - 45h), “Discrete Mathematics II” (6 CFU - 45h), English Degree Course in Mathematics, Faculty of Mathematics, Natural Sciences and Information Technology (FAMNIT), University of Primorska (Slovenia), academic year 2014–15.
- Docent of “Algebra Lineare e Geometria” (SSD MAT/03, 10 CFU, 70h), Degree Course in Statistics, Department SEAM, University of Messina, academic year 2013–14.
- Docent of “Digital Data Recovery” (SSD INF/01, 6 CFU, 60h), Degree Course in Informatics, Department of Mathematics and Computer Science, University of Messina, academic years 2011-2012, and 2012–13.
- Docent of “Geometria” (SSD MAT/03, 6 CFU, 48h), Degree Course in Civil Engineering, Faculty of Engineering, University of Messina, academic year 2010–11.
- Docent of “Elementi di Calcolo Matematico e Statistico” (SSD MAT/03, 6 CFU, 48h), Master Degree Course in Pharmacy, Faculty of Pharmacy, University of Messina, academic year 2010–11.

PARTICIPATION TO NATIONAL/LOCAL RESEARCH PROJECTS

- Member of Catania local unit of the National Relevance Research Project - PRIN 2005 titled “Strutture Algebriche, Combinatoria e loro Applicazioni”. Principal Investigator of the project Prof. G. Lunardon.
- Member of Messina local unit of the National Relevance Research Project - PRIN 2008 titled “Disegni combinatorici, Grafi e loro applicazioni”. Principal Investigator of the project Prof. M. Gionfriddo.
- Member of Napoli local unit of the National Relevance Research Project - PRIN 2012 titled “Strutture Geometriche, Combinatoria e loro Applicazioni”. Principal Investigator of the project Prof. G. Lunardon.
- Principal investigator of the Research Project of University of Naples “Federico II” titled “Spectral Graph Theory and its Applications in Computer Science and Mathematical Chemistry - SGTAC-SMC”, from 07/11/2016 until 07/03/2019.

PARTICIPATION TO INTERNATIONAL RESEARCH PROJECTS

- Italian Scientific Coordinator in the bilateral project “Italy/South Africa Joint Research Programme (ISARP) 2018” titled “Algebraic Graph Theory and Complex Networks”, from 01/01/2018 until 31/12/2021.

SCIENTIFIC AFFILIATIONS

- Istituto Nazionale di Alta Matematica - INdAM, Gruppo Nazionale per le Strutture Algebriche, Geometriche e le loro Applicazioni - GNSAGA, since 2004.
- Slovenian Discrete and Applied Mathematics Society - SDAMS, since 2018.
- International Linear Algebra Society - ILAS, since 2020.
- European Mathematical Society - EMS, since 2020.

SCIENTIFIC PAPERS

1. F. Belardo, M. Brunetti, On eigenspaces of some compound complex unit gain graphs, Transactions on Combinatorics, pp. 21, 2022, in press.
2. F. Belardo, M. Brunetti, V. Trevisan, J.F. Wang, On Quipus whose signless Laplacian index does not exceed 4.5, Journal of Algebraic Combinatorics, pp. 25, 2022, in press.
3. Y. Huang, M. Liu, F. Belardo, The general spectral radii of (multicone-)graphs with given degree sequences, Linear and Multilinear Algebra (2021), pp. 24, in press.
4. F. Belardo, M. Brunetti, A. Ciampella, Unbalanced unicyclic and bicyclic graphs with extremal spectral radius, Czechoslovak Mathematical Journal 71 (2021), No. 2, pp. 417-433.
5. K. Cheng, M. Liu, F. Belardo, The minimal augmented Zagreb index of k -apex trees for $k \in 1, 2, 3$, Applied Mathematics and Computation 402 (2021), article n. 126139, pp. 12.
6. F. Belardo, M. Brunetti, V. Trevisan, Locating eigenvalues of unbalanced unicyclic signed graphs, Applied Mathematics and Computation 400 (2021), article n. 126082, pp. 17.

7. F. Belardo and M. Brunetti, Line graphs of complex unit gain graphs with least eigenvalue -2 , *Electronic Journal of Linear Algebra* 37 (2021), pp. 14-30.
8. F. Belardo, M. Brunetti, M. Cavaleri, A. Donno, Godsil-McKay switching for mixed and gain graphs over the circle group, *Linear Algebra and its Applications* 614 (2021), pp. 256-269.
9. J.F. Wang, M. Lu, L. Lu, F. Belardo, Spectral properties of the eccentricity matrix of graphs, *Discrete Applied Mathematics* 279 (2020), pp. 168-177.
10. J.F. Wang, J. Wang, X. Liu, F. Belardo, Graphs whose A_α -spectral radius does not exceed 2, *Discussiones Mathematicae: Graph Theory* 40 (2020) Iss. 2, pp. 677-690.
11. F. Belardo, M. Brunetti, N. Reff, Balancedness and the least Laplacian eigenvalue of some complex unit gain graphs, *Discussiones Mathematicae: Graph Theory* Vol. 40 (2020) Iss. 2, pp. 417-433.
12. A. Alazemi, M. Andelic, F. Belardo, M. Brunetti, C.M. da Fonseca, Line and subdivision graphs determined by \mathbb{T}_4 -gain graphs, *Mathematics* 7 (2019) Iss. 10, article 926, pp. 12.
13. Y. Yao, M. Liu, F. Belardo, C. Yang, Unified extremal results of topological indices and spectral invariants of graphs, *Discrete Applied Mathematics* 271 (2019), pp. 218-232.
14. F. Belardo, M. Brunetti, M. Cavaleri, A. Donno, Constructing cospectral signed graphs, *Linear and Multilinear Algebra* (2019), pp. 15, in press.
15. S. Akbari, F. Belardo, F. Heydari, M. Maghasedi, M. Souri, On the largest eigenvalue of signed unicyclic graphs, *Linear Algebra and its Applications* 581 (2019), pp. 145-161.
16. F. Belardo, M. Brunetti, A. Ciampella, On the multiplicity of α as an $A_\alpha(\Gamma)$ -eigenvalue, *Discrete Mathematics* 342 (2019), no. 8, pp. 2223-2233.
17. F. Belardo, E.R. Oliveira, V. Trevisan, Spectral ordering of trees with small index, *Linear Algebra and its Applications* 575 (2019), pp. 250-272.
18. F. Belardo, M. Brunetti, A. Ciampella, Edge Perturbations on Signed Graphs with Clusters: Adjacency and Laplacian Eigenvalues, *Discrete Applied Mathematics* (2019), 9 pages, in press.
19. F. Belardo, M. Brunetti, Connected signed graphs L -cospectral to signed ∞ -graphs, *Linear and Multilinear Algebra* (2018), 17 pages, in press.
20. F. Belardo, The International Congress on Hypergraphs, *Graphs and Designs – HyGraDe 2017, The Art of Discrete and Applied Mathematics* 1 (2018), no. 2, #E2.01, 2 pages.
21. F. Belardo, S. Cioaba, J. Koolen, J.F. Wang, Open problems in the spectral theory of signed graphs, *The Art of Discrete and Applied Mathematics* 1 (2018), no. 2, #P2.10, 23 pages.
22. F. Belardo, A. Tripodi, Preface: The congress HyGraDe 2017 and a biographical note on Mario Gionfriddo, *AAPP Atti della Accademia Peloritana dei Pericolanti, Classe di Scienze Fisiche, Matematiche e Naturali* 96 (2018), no. S2, E1, 4 pages.
23. F. Belardo, M. Brunetti, A. Ciampella, Signed bicyclic graphs minimizing the least Laplacian eigenvalue, *Linear Algebra and Its Applications* 557 (2018), pp. 201-233.
24. F. Belardo, M. Cavaleri, A. Donno, Spectral analysis of the wreath product of a complete graph with a cocktail party graph, *AAPP Atti della Accademia Peloritana dei Pericolanti, Classe di Scienze Fisiche, Matematiche e Naturali* 96 (2018), no. S2, A1, 11 pages.
25. X. Feng, J.F. Wang, F. Belardo, Spectral characterizations of graphs with at most two (signless) Laplacian eigenvalues greater than 2, *Ars Combinatoria* 139 (2018), pp. 43-54.

26. S. Akbari, F. Belardo, E. Dodongeh, M.A. Nematollahi, Spectral characterizations of signed cycles, *Linear Algebra and Its Applications* 553 (2018), pp. 307-327.
27. J.F. Wang, M. Lu, F. Belardo, M. Randić, The anti-adjacency matrix of a graph: Eccentricity matrix, *Discrete Applied Mathematics* 251 (2018), pp. 299-309.
28. F. Belardo, M. Cavaleri, A. Donno, Wreath product of a complete graph with a cyclic graph: Topological indices and spectrum, *Applied Mathematics and Computation* 336 (2018), pp. 288-300.
29. F. Belardo, I. Sciriha, S.K. Simić, On eigenspaces of some compound signed graphs, *Linear Algebra and Its Applications* 509 (2016), pp. 19-39.
30. F. Belardo, T. Pisanski, S.K. Simić, On graphs whose least eigenvalue is greater than -2, *Linear and Multilinear Algebra* 64 (2016), no. 8, pp. 1570-1582.
31. F. Belardo, P. Petecki, J.F. Wang, On signed graphs whose second largest Laplacian eigenvalue does not exceed 3, *Linear and Multilinear Algebra* 64 (2016), no. 9, pp. 1785-1799.
32. F. Belardo, Y. Zhou, Signed Graphs with extremal least Laplacian eigenvalue, *Linear Algebra and Its Applications* 497 (2016), pp. 167-180.
33. F. Belardo, E.M. Li Marzi, S.K. Simić, Signed line graphs with least eigenvalue -2: The star complement technique, *Discrete Applied Mathematics* 207 (2016), pp. 29-38.
34. F. Belardo, P. Petecki, Spectral characterizations of signed lollipop graphs, *Linear Algebra and its Applications* 480 (2015), pp. 144-167.
35. F. Belardo, S.K. Simić, On the Laplacian coefficients of signed graphs, *Linear Algebra and its Applications* (2015),
36. J.F. Wang, F. Belardo, A lower bound for the first Zagreb index and its application, *Match* 74 (2015), no. 1, pp. 35-56.
37. F. Belardo, On the largest eigenvalue of some bidegreed graphs, *Linear and Multilinear Algebra* 63 (2015), no. 1, pp. 166-184.
38. J.F. Wang, F. Belardo, Q.L. Zhang, Signless Laplacian spectral characterization of line graphs of T-shape trees, *Linear and Multilinear Algebra* 62 (2013), no. 11, pp. 1529-1545.
39. F. Belardo, Balancedness and the least eigenvalue of Laplacian of signed graphs, *Linear Algebra and its Applications* 446 (2014), pp. 133-147.
40. F. Belardo, On the structure of bidegreed graphs with minimal spectral radius, *Filomat* 28 (2014), no. 1, pp. 1-10.
41. J.F. Wang, Q.X. Huang, F. Belardo, On the spectral characterizations of 3-rose graphs, *Utilitas Mathematica* 91 (2013), pp. 33-46.
42. J.F. Wang, Q.X. Huang, K.L. Teo, F. Belardo, R.Y. Liu, C.F. Ye, Almost every complement of a tadpole graph is not chromatically unique, *Ars Combinatoria* 108 (2013), pp. 33-49.
43. J.F. Wang, F. Belardo, Q.X. Huang, E.M. Li Marzi, On graphs whose Laplacian index does not exceed 4.5, *Linear Algebra and Its Applications* 438 (2013), no. 4, pp. 1541-1550.
44. J.F. Wang, F. Belardo, W. Wang, Q.X. Huang, On graphs with exactly three Q-eigenvalues at least two, *Linear Algebra and Its Applications* 438 (2013), no. 7, pp. 2861-2879.

45. F. Belardo, Perturbations on bidegreed graphs minimizing the spectral radius, *Electronic Notes in Discrete Mathematics* 40 (2013), pp. 33-37.
46. J.F. Wang, F. Belardo, Signless Laplacian eigenvalues and circumference of graphs, *Discrete Applied Mathematics* 161 (2013), no. 10-11, pp. 1610-1617.
47. J.F. Wang, F. Belardo, Spectral characterizations of graphs with small spectral radius, *Linear Algebra and Its Applications* 437 (2012), no. 10, pp. 2408-2416.
48. J.F. Wang, F. Belardo, A note on the signless Laplacian eigenvalues of graphs, *Linear Algebra and Its Applications* 435 (2011), no. 10, pp. 2585-2590.
49. F. Belardo, V. De Filippis, S.K. Simić, Computing the permanental polynomial of a matrix from a combinatorial viewpoint, *Match* 66 (2011), no. 1, pp. 381-396.
50. F. Belardo, E.M. Li Marzi, S.K. Simić, J.F. Wang, Graphs whose signless Laplacian spectral radius does not exceed the Hoffman limit value, *Linear Algebra and Its Applications* 435 (2011), no. 11, pp. 2913-2920.
51. J.F. Wang, S.K. Simić, Q.X. Huang, F. Belardo, E.M. Li Marzi, Laplacian spectral characterization of disjoint union of paths and cycles, *Linear and Multilinear Algebra* 59 (2011), no. 5, pp. 531-539.
52. F. Belardo, E.M. Li Marzi, S.K. Simić, Combinatorial approach for computing the characteristic polynomial of a matrix, *Linear Algebra and Its Applications* 433 (2010), no. 8-10, pp. 1513-1523.
53. S.K. Simić, F. Belardo, E.M. Li Marzi, D.V. Tošić, Connected graphs of fixed order and size with maximal index: Some spectral bounds, *Linear Algebra and Its Applications* 432 (2010), no. 9, pp. 2361-2372.
54. F. Belardo, E.M. Li Marzi, S.K. Simić, J.F. Wang, On the Index of Necklaces, *Graphs and Combinatorics* 26 (2010), no. 2, pp. 163-172.
55. J.F. Wang, Q.X. Huang, F. Belardo, E.M. Li Marzi, On the spectral characterizations of ∞ -graphs, *Discrete Mathematics* 310 (2010), no. 13-14, pp. 1845-1855.
56. F. Belardo, E.M. Li Marzi, S.K. Simić, J.F. Wang, On the spectral radius of unicyclic graphs with prescribed degree sequence, *Linear Algebra and Its Applications* 432 (2010), no. 9, pp. 2323-2334.
57. J.F. Wang, F. Belardo, Q.X. Huang, B. Borovićanin, On the two largest Q-eigenvalues of graphs, *Discrete Mathematics* 310 (2010), no. 21, pp. 2858-2866.
58. J.F. Wang, Q.X. Huang, X.H. An, F. Belardo, Some results on the signless Laplacians of graphs, *Applied Mathematics Letters* 23 (2010), no. 9, pp. 1045-1049.
59. J.F. Wang, F. Belardo, Q.X. Huang, E.M. Li Marzi, Spectral characterizations of dumbbell graphs, *Electronic Journal of Combinatorics* 17 (2010), #R42, pp. 1-16.
60. F. Belardo, E.M. Li Marzi, S.K. Simić, Trees with minimal index and diameter at most four, *Discrete Mathematics* 310 (2010), no. 12, pp. 1708-1714.
61. J.F. Wang, Q.X. Huang, F. Belardo, E.M. Li Marzi, On the spectral characterization of theta graphs, *Match* 62 (2009), no. 3, pp. 581-598.
62. J.F. Wang, Q.X. Huang, F. Belardo, E.M. Li Marzi, A note on the spectral characterization of dumbbell graphs, *Linear Algebra and Its Applications* 431 (2009), no. 10, pp. 1707-1714.
63. J.F. Wang, Q.X. Huang, F. Belardo, E.M. Li Marzi, On graphs whose signless Laplacian index does not exceed 4.5, *Linear Algebra and Its Applications* 431 (2009), no. 1-2, pp. 162-178.

64. F. Belardo, E.M. Li Marzi, S.K. Simić, Bidegreed trees with small index, *Match* 61 (2009), no. 2, pp. 503-515.
65. F. Belardo, E.M. Li Marzi, S.K. Simić, Schwenk-like formulas for weighted digraphs, *AIP Conference Proceedings* 1168 (2009), pp. 1251-1254.
66. S.K. Simić, E.M. Li Marzi, F. Belardo, On the index of caterpillars, *Discrete Mathematics* 308 (2008), no. 2-3, pp. 324-330.
67. F. Belardo, E.M. Li Marzi, Simić S.K., Ordering graphs with index in the interval $(2, \sqrt{2 + \sqrt{5}})$, *Discrete Applied Mathematics* 156 (2008), no. 10, pp. 1670-1682.
68. J.F. Wang, Q.X. Huang, X.H. An, F. Belardo, Some notes on graphs whose spectral radius is close to $\frac{3}{2}\sqrt{2}$, *Linear Algebra and Its Applications* 429 (2008), no. 7, pp. 1606-1618.
69. F. Belardo, E.M. Li Marzi, S.K. Simić, Path-like graphs ordered by the index, *International Journal of Algebra* 1 (2007), no. 2/3, pp. 113-128.
70. F. Belardo, E.M. Li Marzi, S.K. Simić, Some notes on graphs whose index is close to 2, *Linear Algebra and Its Applications* 423 (2007), no. 1, pp. 81-89.
71. F. Belardo, E.M. Li Marzi, S.K. Simić, Some results on the index of unicyclic graphs, *Linear Algebra and Its Applications* 416 (2006), no. 2-3, pp. 1048-1059.
72. S.K. Simić, E.M. Li Marzi, F. Belardo, Connected graphs of fixed order and size with maximal index: Structural Considerations, *Le Matematiche* 59 (2004), no. 2-3, pp. 349-365.

Napoli, May 31st, 2021.

Signed
(Francesco Belardo)