Prof. Dr. Ahmet Sinan Çevik

Department of Mathematics, Faculty of Science, Selcuk University, 42130, Konya, Turkey.

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Education:

Degree	Program	University	Year
Undergraduate	Mathematics	Hacettepe University	1992
Ph.D.	Mathematics	Glasgow University	1998

Name of Ph.D. Thesis and Supervisor :

"*Minimality of Group and Monoid Presentations*", Prof. Stephen J. Pride

Academic Positions:

Title	Place	Year
	Glasgow University, Department of Mathematics, UK	1993-1998
Res.Assis.	Balikesir University, Science and Art Faculty, Turkey	1993-1998
Res.Assis.Dr.	Balikesir University, Science and Art Faculty, Turkey	1998-1999
Assis.Prof.Dr.	Balikesir University, Science and Art Faculty, Turkey	1999- 2004
Asoc.Prof.Dr	Balikesir University, Science and Art Faculty, Turkey	2004- 2009
Asoc.Prof.Dr	Selcuk University, Science Faculty, Turkey	2009- 2009
Prof. Dr.	Selcuk University, Science Faculty, Turkey	2009-2018
Prof. Dr.	King Abdulaziz University (KAU), Science Faculty, Saudia Arabia	2018 January.- 2020 August
Prof. Dr.	Selcuk University, Science Faculty, Turkey	2020 August – Cnt.

Other positions in Universities:

Balikesir University, Membership of Science and Art Faculty Council March 2005 - March 2008.

Head of the division Algebra and Number Theory, Balikesir University, Science and Art Faculty, Department of Mathematics 2001- 2009.

Coordinator of Balikesir University Science Research Projects Office 2005-2006.

Assistant Head of the Department, Balikesir University, Science and Art Faculty Department of Mathematics 2003-2005, 2008-2009.

Head of the Department, Balikesir University, Science and Art Faculty, Department of Mathematics 2009–2009.

Director of Selcuk University, Research Center of Applied Mathematics 2009 – 2012

Assistant Head of the Department, Selcuk University, Science Faculty Department of Mathematics 2012 - 2016.

Head of the Department, Selcuk University, Science Faculty Department of Mathematics 2016 – 2016.

Academic in KAU (King Abdulaziz University) – Saudi Arabia between January 2018 to August 2020.

Supervised Ms.C. Thesis :

Açıl, F., "*The Efficiency of Group Presentations*", Balikesir University, 2000.

Koruoğlu, Ö., "*Graphs, Groups and Surfaces"*, Balikesir University, 2001.

Bacın, A., "*Combinatorial Group Theory and its Applications*", Balikesir University, 2003.

Sürmeli, S., "*Obtaining Some Group Presentations and its Applications*", Balikesir University, 2003.

Sütlüoğlu, M. Y., "*Some New Properties of known Algebraic Structures*", Balikesir University, 2004.

Ateş, F., "*Semigroups and Their Some Results*", Balikesir University, 2004.

Güzel, E., "*The Decision Problems on Monoids and Groups*", Balikesir University, 2006.

Saran, M. S., "*Some Applications of Graphs on Engineerings*", Balikesir University, 2008.

Korkmaz, F., "*Semigroups and Their Properties*", Balikesir University, 2008.

Yildirim, B., "*The Domination Number and its Properties over Unitary Cayley Graphs*", Selcuk University, 2012.

Akzeybek, A. J., "*Special Algebraic Graphs*", Selcuk University, 2013.

Urlu, N., "*Gröbner Bases of some Algebraic Structures*", Selçuk University, 2015.

Kangal, E., "*Free Groups and their Automorphisims*", Selçuk University, 2016.

Topkaya, S., "*Special Graphs over Groups*", Selçuk University, 2016.

Aykaç, S., "*Graphs over Special Rings*", Selçuk University, 2018.

Noyan, S.N., "*Special classifications of some groups with figurative approaches*", Selçuk University, 2022.

Supervised Ph.D. Thesis:

Yılmaz, M., "*The investigation of some group presentations under special circumstances*", Balikesir University, 2003.

Ateş, F., "*The geometric approximations over groups and monoids*", Balikesir University, 2007.

Güzel, E., "*The word problem and its consequences under geometric methods*", Balikesir University, 2009.

Akgüneş, N., "*Graph parameters and the graphical approximation to the algebraic structures*", Selcuk University, 2013.

Urlu, N., "*Algebraic approximations over semigroups*", Selcuk University, 2018.

Projects :

1) "The decision problem in monoids and investigation of geometric solutions in the higher degree of this problem", Balikesir University, Scientific Research Office, Number 2004/25.

2) "The efficiency and decision problems of wreath products of monoids that obtained by Cayley Graphs", Balikesir University, Scientific Research Office, Number 2007/17.

3) "The decision problem and its consequences under geometric methods", Balikesir University, Scientific Research Office, Number 2009/01-21 (Support for the Ph.D. Thesis of E. Güzel Karpuz).

4) Selcuk University, "Scientific Human Research Development Program", DPT, Science Faculty Coordinator (2010 – 2015).

5) "Gröbner-Shirshov Bases, Complete Rewriting Systems and Growth Series of Some Weyl Groups", Karamanoğlu Mehmetbey University Scientific Research Council (BAP), Project Number 16-M-13, Researcher, January 2013 – January 2015.

6) "The Gröbner-Shirshov Base Theory, Word and Conjugacy Problems", TÜBITAK PROJECT, Fund: 104000 TL, Project Number 113F294, Advisor - Counselor, April 2014 – April 2016.

7) "Gröbner-Shirshov Bases for Special Types of Braid Monoids", DSR – King Abdulaziz University, Principal Investigator, Project Number 130-211-D1439, 2018-2020.

8) "Word problem for Pure Virtual Braid Group", DSR – King Abdulaziz University, Principal Investigator, Project Number 130-246-D1439, 2018-2020.

9) "Some new consequences of the General product over monoids", Principal Investigator, DSR – King Abdulaziz University, Project Number G: 1711-130-1440, 2018-2020.

10) "Obtaining new monoid extensions of type I", Co-Investigator, DSR – King Abdulaziz University, Project Number G: 1709-247-1440, 2018-2020.

Editorial Duties:

Guest Editor (Until May 31st 2023) a special issue in SYMMETRY (Combinatorics, Discrete Mathematics, Symmetry and Regularity in Graphs, Graph Indices, Graph Parameters and Applications of Graph Theory) **(SCI)** - Q1, Q2

Guest Editor (Until December 30th, 2022) COMPUTER MODELING IN ENGINEERING & SCIENCES **(SCI)** – Q3

Guest Editor (Until March 26th, 2021) JOURNAL OF MATHEMATICS **(SCI)** – Q1

Also in Advisory Board of

TWMS Journal of Applied and Engineering Mathematics **(ESCI)** - Q3 (2021–cont.).

Editor–in-Chief of SJAM (*Selcuk Journal of Applied Mathematics*) 2009-2012.

Guest Editor in Turkish Journal of Mathematics **(SCI)** (2015-2016.).

Editor in JOURNAL OF APPLIED MATHEMATICS AND COMPUTING (**SCI**) (2014-2021.).

Editor in ADVANCED STUDIES IN CONTEMPORARY MATHEMATICS **(ESCI)** (2011-2020.).

Editor in PROCEEDINGS OF THE JANGJEON MATHEMATICAL SOCIETY (2011-cont.).

Editor in FAR EAST JOURNAL OF MATHEMATICAL SCIENCES (2013-cont.).

Editor in TURKISH JOURNAL OF ANALYSIS AND NUMBER THEORY (2013-cont.).

Editor in BALKAN JOURNAL OF MATHEMATICS (2013-cont.).

Editor in MONTES TAURUS JOURNAL OF PURE AND APPLIED MATHEMATICS (2022-cont.).

Scientific Memberships:

"*The Edinburgh Mathematical Society*" (1995 - 2001).

"*World Scientific Privilege Member - Customer"* (2002 – 2007).

"Zentralblatt Math." *Reviewer* (2008 – 2014).

"Mathematical Review" *Reviewer* (2009 – 2014).

"Jangjeon Mathematical Society" (July 2011 – cont.)

Grants:

1) TÜBİTAK – Forein Research People Support and Invitation Programme, used for Prof. Richard M. THOMAS (Leicester University, England) – Three weeks in 2005.
2) TÜBİTAK – Forein Research People Support and Invitation Programme, used for Prof. Stephen J. PRIDE (Glasgow University, Scotland) – Two weeks in 2007.
3) TÜBİTAK – Forein Research People Support and Invitation Programme, used for Prof. Richard M. THOMAS (Leicester University, England) – Two weeks in 2009.
4) TÜBİTAK – Forein Research People Support and Invitation Programme, used for Prof. Kinkar Chandra DAS (Sungkyunkwan University, S. Korea) – Three weeks in 2012.
5) TÜBİTAK – Forein Conferences Support Programme, Feburary 2011.
6) TÜBİTAK – Forein Conferences Support Programme, May 2013.

Publications

A. SCI, SCI EXPANDED, ESCI, WEB OF SCIENCE

A1. Çevik, A.S., "The Efficiency of Standard Wreath Product", *Proceedings of the Edinburgh Mathematical Society*, **43(2)**, 415-423 (2000). (**SCI - Web of Science**)

A2. Çevik, A.S., "The *p*-Cockcroft property of Central Extensions of Groups", *Communications in Algebra*, **29**(3), 1085-1094 (2001). DOI: 10.1081/AGB-100001668 (**SCI - Web of Science**)

A3. Çevik, A.S., "The *p*-Cockcroft property of Semi-Direct Products of Monoids", *International Journal of Algebra and Computation,* **13**(1), 1-16 (2003). **DOI:** 10.1142/S0218196703001298 (**SCI - Web of Science**)

A4. Çevik, A.S., "Minimal but Inefficient Presentations of the Semi-Direct Product of Some Monoids", *Semigroup Forum,* **66**(1), 1-17 (2003). DOI: 10.1007/s002330010148 (**SCI - Web of Science**)

A5. Çevik, A.S., "Efficiency for Self Semi-Direct Products of the Free Abelian Monoid on Two Generators", *Rocky Mountain Journal of Mathematics*, Vol **35**(1), 47-59 2005. **DOI:** 10.1216/rmjm/1181069767 (**SCI - Web of Science**)

A6. Çevik, A.S., "One dimension higher of the word problem", *Mathematica Scandinavica*, Vol. **95 (2)**, 161-171, (2004). (**SCI - Web of Science**)

A7. Çevik, A.S., "Minimal But Inefficient presentations for self semidirect products of the free abelian monoid on two generators", *Communications in Algebra*, Vol **35**, 2583-2587, (2007) **DOI:** 10.1080/00927870701327732 (**SCI - Web of Science**)

A8. Çevik, A.S., (with Fırat Ateş), "The *p*-Cockcroft property of Central Extensions of Groups II", *Monatshefte Für Mathematik,* Vol **150**(3), 181-191, (2007). **DOI:** 10.1007/s00605-006-0435-3 (**SCI - Web of Science**)

A9. Çevik, A.S., (with Fırat Ateş), "(Cyclic) Subgroup Separability of HNN and Split Extensions, *Mathematica Slovaca,* Vol. **57**(1), 33-40, (2007). **DOI:** 10.2478/s12175-007-0012-9 (**SCI - Web of Science**)

A10. Çevik, A.S., (with Fırat Ateş), "Separability and Efficiency under Standard Wreath Products in terms of Cayley Graphs", *Rocky Mountain Journal of Mathematics*, Vol **38**, Number 3, 779-800, (2008). **DOI:** 10.1216/RMJ-2008-38-3-779 (**SCI - Web of Science**)

A11. Çevik, A.S., (with Cangül, N., Koruoglu, O.) "The isomorphism between two fundamental groups by Cayley Graphs", *Advanced Studies in Contemporary Mathematics,* Vol. **17**, No. 1, 17-23, (2008). (**SCI - Web of Science**)

A12. Çevik, A.S., (with Karpuz, E.G.), "The word and generalized word problem for semigroups under wreath products", *Bull. Math. Soc. Sci. Math. Roumanie Tome* **52**(100) No. 2, 151–160, (2009). (**SCI - Web of Science**)

A13. Çevik, A.S., (with Fırat Ateş), "Knit products of finite cyclic groups and their applications", *Rendiconti del Seminario Matematico della Università di Padova,* Vol 121, 1-12, (2009). (**SCI - Web of Science**)

A14. Çevik, A.S., (with Ivan Gutman, A. Dilek Gungor, S.B. Bozkurt), "Randic Matrix and Randic Energy" *MATCH – Communications in Mathematical and in Computer Chemistry,* Vol **64**(1), 239-250, (2010). (**SCI - Web of Science**)

A15. Çevik, A.S., (with A. Dilek Gungor), "On the Harary Energy and Harary Estrada Index of a Graph" *MATCH – Communications in Mathematical and in Computer Chemistry,* Vol **64**(1), 281-296, (2010). (**SCI - Web of Science**)

A16. Çevik, A.S., (with A. Dilek Gungor, Firat Ates, Eylem G. Karpuz, I. Naci Cangul), "*Generalization for Estrada Index*", Conference Information: 8th International Conference of Numerical Analysis and Applied Mathematics 2010 (ICNAAM 2010), SEP 19-25 2010, Rhodes, GREECE Source: GENERATING FUNCTIONS OF SPECIAL NUMBERS AND POLYNOMIALS AND THEIR APPLICATIONS, Book Series: AIP Conference Proceedings, (Edt.T.E. Simos, G. Psihoyios and Ch. Tsitouras), Volume 1281, pg.1106-1110, 2010. (**Web of Science**)

A17. Çevik, A.S., (with A. Dilek Gungor, Firat Ates, Eylem G. Karpuz, I. Naci Cangul), "*A New Example of Deficiency One Groups*", Conference Information: 8th International Conference of Numerical Analysis and Applied Mathematics 2010 (ICNAAM 2010), SEP 19-25 2010, Rhodes, GREECE Source: GENERATING FUNCTIONS OF SPECIAL NUMBERS AND POLYNOMIALS AND THEIR APPLICATIONS, Book Series: AIP Conference Proceedings, (Edt.T.E. Simos, G. Psihoyios and Ch. Tsitouras), Volume 1281, pg. 1111-1116, 2010. (**Web of Science**)

A18. Çevik, A.S., (with A. Dilek Gungor, Firat Ates, Eylem G. Karpuz, I. Naci Cangul), "*On the Norms of Toeplitz and Henkel Matrices with Pell Numbers*", Conference Information: 8th International Conference of Numerical Analysis and Applied Mathematics 2010 (ICNAAM 2010), SEP 19-25 2010, Rhodes, GREECE Source: GENERATING FUNCTIONS OF SPECIAL NUMBERS AND POLYNOMIALS AND THEIR APPLICATIONS, Book Series: AIP Conference Proceedings, (Edt.T.E. Simos, G. Psihoyios and Ch. Tsitouras), Volume 1281, pg. 1117-1120, 2010. (**Web of Science**)

A19. Çevik, A.S., (with A. Dilek Gungor, Firat Ates, Eylem G. Karpuz, I. Naci Cangul), "*On the Efficiency of Semi-Direct Products of Finite Cyclic Monoids by One-Relator Monoids*", Conference Information: 8th International Conference of Numerical Analysis and Applied Mathematics 2010 (ICNAAM 2010), SEP 19-25 2010, Rhodes, GREECE
Source: GENERATING FUNCTIONS OF SPECIAL NUMBERS AND POLYNOMIALS AND THEIR APPLICATIONS, Book Series: AIP Conference Proceedings, (Edt.T.E. Simos, G. Psihoyios and Ch. Tsitouras), Volume 1281, pg. 1121-1124, 2010. (**Web of Science**)

A20. Çevik, A.S., (with A. Dilek Gungor, Dilek Namli, Ahmet Tekcan, I. Naci Cangul), "*Primes in ${\mathbb Z}[exp \frac{2i\pi}{3}]$*", Conference Information: 8th International Conference of Numerical Analysis and Applied Mathematics 2010 (ICNAAM 2010), SEP 19-25 2010, Rhodes, GREECE Source: GENERATING FUNCTIONS OF SPECIAL NUMBERS AND POLYNOMIALS AND THEIR APPLICATIONS, Book Series: AIP Conference Proceedings, (Edt.T.E. Simos, G. Psihoyios and Ch. Tsitouras), Volume 1281, pg. 1129-1132, 2010. (**Web of Science**)

A21. Çevik, A.S., (with Özel, C., Karpuz E.) "Rewriting as a special case of noncommutative Gröbner Bases theory for the Afine Weyl Group $\widetilde{A}_{n}$", *Ring and Module Theory,* Book Series:

Birkhause-Trends in Mathematics, Pages: 73-82, VI+200 ISBN: 978-3-0346-0006-4 Conference: International Conference on Ring Module Theory, (Edt.: T. Albu, A. Tercan), Location: 18-22 Agustos 2008 Hacettepe University, Ankara, Turkey, (**Web of Science**)

A22. Çevik, A.S., (with Eylem G. Karpuz, Firat Ates, Canan Kocapinar), "Gröbner-Shirshov bases of some monoids", *Discrete Mathematics,* Vol **311**(1), 1064-1071, (2011). **DOI:** 10.1016/j.disc.2011.03.008 (**SCI - Web of Science**)

A23. Çevik, A.S., (with Eylem G. Karpuz), "A new example of strongly π-inverse monoids", *Hacettepe Journal of Mathematics and Statistics ,* Vol. **40**(3), 461-468, (2011). (**SCI - Web of Science**)

A24. Çevik, A.S., (with Eylem G. Karpuz, Firat Ates, A. Dilek Maden, I. Naci Cangul), "The next step of the word problem over monoids", *Applied Mathematics and Computation,* Vol. **218**, 794-798, (2011). **DOI:** 10.1016/j.amc.2011.03.076 (**SCI - Web of Science**)

A25. Çevik, A.S., (with A. Dilek Maden), "Some bounds for extreme singular values of a complex matrix", *Applied Mathematics and Computation*, Vol. **218**, 762-765, (2011). **DOI:** 10.1016/j.amc.2011.03.073 (**SCI - Web of Science**)

A26. Çevik, A.S., (with Firat Ates, Eylem G. Karpuz),"*The efficiency of the semi-direct products of free abelian monoid with rank n by the infinite cyclic monoid*",
Conference Information: 9th International Conference of Numerical Analysis and Applied Mathematics 2011 (ICNAAM 2011), SEP 19-25 2011, Halkidiki, GREECE
Source: GENERATING FUNCTIONS OF SPECIAL NUMBERS AND POLYNOMIALS AND THEIR APPLICATIONS,Book Series: AIP Conference Proceedings, (Edt.T.E. Simos), Volume 1389, pg. 312-314, 2011. (**Web of Science**)

A27. Çevik, A.S., (with Firat Ates, Eylem G. Karpuz), "*Conjugacy for free groups under split extensions"*, Conference Information: 9th International Conference of Numerical Analysis and Applied Mathematics 2011 (ICNAAM 2011), SEP 19-25 2011, Halkidiki, GREECE Source: GENERATING FUNCTIONS OF SPECIAL NUMBERS AND POLYNOMIALS AND THEIR APPLICATIONS, Book Series: AIP Conference Proceedings, (Edt.T.E. Simos), Volume 1389, pg. 361-366, 2011. (**Web of Science**)

A28. Çevik, A.S., (with A. Dilek Gungor, Kinkar Das), "On Kirchhoff Index and Resistance-Distance Energy of a Graph", *MATCH – Communications in Mathematical and in Computer Chemistry,* Vol **67**(2), 541-556, (2012). (**SCI - Web of Science**)

A29. Çevik, A.S., (with A. Dilek Maden), "A generalization for the clique and independence numbers", *ELA – The Electronic Journal of Linear Algebra, Vol* **23***, 164-170,* (2012). (**SCI - Web of Science**)

A30. Çevik, A.S., (with Eylem G. Karpuz, Firat Ates, Canan Kocapinar), "Grobner-Shirshov bases of the generalized Bruck-Reilly $*$-extensions", *Algebra Colloquium* Vol **19** (Spec 1), 813-820, (2012). (**SCI - Web of Science**)

A31. Çevik, A.S., (with I. Naci Cangül, Aysun Yurttaş, Muge Togan),"Some formulae for the Zagreb indices of graphs", *Proceedings of the International Conference on Numerical Analysis and Applied Mathematics 2012 (ICNAAM-2012)* Book Series: AIP Conference Proceedings Volume: 1479 pages 365-367, 2012 Edited by: Simos, T; Psihoyios, G; Tsitouras, C; Anastassi, Z.; Conference: 10th International Conference on Numerical Analysis and Applied Mathematics (ICNAAM) Location: Rhodes, Greece Date: SEP 19-25, 2012 Source: Generating Functions of Special Numbers and Polynomials and Their Applications (**Web of Science**)

A32. Çevik, A.S., (with Eylem G. Karpuz), "Gröbner-Shirshov Bases for Extended Modular, Extended Hecke and Picard Groups", *Mathematical Notes*, Vol **92**(5), 636-642, (2012) *Published in Russian in Matematicheskie Zametki,* 2012, Vol. **92**(5), pp. 699–706. (**SCI - Web of Science**)

A33. Çevik, A.S., (with E. G. Karpuz), "On the solvability of word problem by Adian graphs" *Adv. Stud. Contemp. Math. (Kyungshang)* Vol **22(2), 317-323,** (2012). (**SCI - Web of Science**)

A34. Çevik, A.S., (with A. Dilek Maden and Kinkar Ch. Das), "Sharp upper bounds on the spectral radius of the Signless Laplacian matrix of a graph", *Applied Mathematics and Computation,* Vol **219**(10), 5025-5032, (2013). **DOI:** 10.1016/j.amc.2012.11.039 (**SCI - Web of Science**)

A35. Çevik, A.S., (with N. Akgüneş), "A new bound of radius with irregularity index", *Applied Mathematics and Computation,* Vol **219**(11), 5750-5753, (2013). DOI: 10.1016/j.amc.2012.11.081 (**SCI - Web of Science**)

A36. Çevik, A.S., (with I.N. Cangul and Y. Simsek), "Analysis Approach to Finite Monoids", *Fixed Point Theory and Applications,* Vol. 2013, Issue 1, **2013**:15 doi:10.1186/1687-1812-2013-15 (**SCI - Web of Science**)

A37. Çevik, A.S., (with N. Akgüneş and K.Ch. Das), "On a graph of monogenic semigroups", *Journal of Inequalities and Applications,* Vol. 2013, **2013**:44 doi:10.1186/1029-242X-2013-44 (**SCI - Web of Science**)

A38. Çevik, A.S., (with K.Ch. Das, I.N. Cangul, Y. Simsek), "Some array polynomials over special monoid presentations", *Fixed Point Theory and Applications,* Vol. 2013, **2013**:44 doi:10.1186/1687-1812-2013-44 (**SCI - Web of Science**)

A39. Çevik, A.S., (with K.Ch. Das, M. Togan, A. Yurttas, I.N. Cangul), "The multiplicative Zagreb indices of graph operations", *Journal of Inequalities and Applications,* Vol. 2013, **2013**:90 DOI 10.1186/1029-242X-2013-90 (**SCI - Web of Science**)

A40. Çevik, A.S., (with I.N. Cangul and Y. Simsek), "A new approach to connect Algebra with Analysis: Relationships and Applications between Presentations and Generating Functions", *Boundary Value Problems,* Vol 2013, **2013**:51 DOI 10.1186/1687-2770-2013-51. (**SCI - Web of Science**)

A41. Çevik, A.S., (with E.G. Karpuz, K.Ch. Das, I.N. Cangul), "A new graph based on the semi-direct product of some monoids", *Journal of Inequalities and Applications,* Vol 2013, **2013**:118 DOI: 10.1186/1029-242X-2013-118. (**SCI - Web of Science**)

A42. Çevik, A.S., (with I.N. Cangul, K.Ch. Das and A. Dilek Maden) "On the spectral radius of bipartite graphs which are nearly complete", *Journal of Inequalities and Applications,* Vol 2013, **2013**:121 DOI:10.1186/1029-242X-2013-121 (**SCI - Web of Science**)

A43. Çevik, A.S., (with E.G. Karpuz, F. Ates, I.N. Cangul), "The graph based on Gröbner-Shirshov bases of groups", *Fixed Point Theory and Applications,* Vol. 2013, **2013**:71 DOI:10.1186/1687-1812-2013-71 (**SCI - Web of Science)**

A44. Çevik, A.S., (with E.G. Karpuz, J. Koppitz, I.N. Cangul), "Some fixed point results on (Generalized) Bruck-Reilly *-extensions of monoids", *Fixed Point Theory and Applications* 2013, **2013**:78 DOI:10.1186/1687-1812-2013-78 (**SCI - Web of Science**)

A45. Çevik, A.S., (with V. Lokesha, B.S. Shetty, P.S. Ranjini, I.Naci Cangul), "New bounds for Randic and GA Indices", *Journal of Inequalities and Applications* 2013, **2013**:180 DOI:10.1186/1029-242X-2013-180 (**SCI - Web of Science**)

A46. Çevik, A.S., (with A. Dilek Maden and Ivan Gutman), "Bounds for Resistance-Distance Spectral Radius", *Hacettepe Journal of Mathematics and Statistics,* Vol **42** (1) (2013), 43-50 (**SCI - Web of Science**)

A47. Çevik, A.S., (with N. Akgunes, Kinkar Ch. Das, I.Naci Cangul), "Some properties on the lexicographic product of graphs obtained by monogenic semigroups", *Journal of Inequalities and Applications* 2013, **2013**:238 DOI:10.1186/1029-242X-2013-238 (**SCI - Web of Science**)

A48. Çevik, A.S., (with A. Dilek Maden), "New Distance-Based Graph Invariants and Relations Among Them", *Applied Mathematics and Computation,* Vol **219**, 11171-11177 (2013), DOI:10.1016/j.amc.2013.05.024 (**SCI - Web of Science**)

A49. Çevik, A.S., (with Kinkar Ch. Das, Ivan Gutman, Bo Zhou), "On Laplacian Energy", *MATCH – Communications in Mathematical and in Computer Chemistry,* Vol **70**(2), 689-696, (2013). (**SCI - Web of Science**)

A50. Çevik, A.S., (with Kinkar Ch. Das, Kexiang Xu, I. Naci Cangul, Ante Graovac), "On the Harary index of graph operations", *Journal of Inequalities and Applications,* 2013, **2013**:339 DOI:10.1186/1029-242X-2013-339 (**SCI - Web of Science**)

A51. Çevik, A.S., (with Kinkar Ch. Das, I. Naci Cangul), "The number of spanning trees of a graph", *Journal of Inequalities and Applications,* 2013, **2013**:395 DOI:10.1186/1029-242X-2013-395 (**SCI - Web of Science**)

A52. Çevik, A.S., (with A. Dilek Maden), "Majorization bounds for signless Laplacian eigenvalues", *ELA – The Electronic Journal of Linear Algebra,* Vol 26, November 2013, 781-794 (**SCI - Web of Science**)

A53. "**RETRACTION:** On the Kirchhoff matrix, a new Kirchhoff index, and the Kirchhoff energy", *Journal of Inequalities and Applications*, 2014, **2014**:424 DOI: 10.1186/1029-242X-2014-424 (**SCI - Web of Science**) Çevik, A.S., (with Kinkar Ch. Das, I. Naci Cangul, A. Dilek Maden).

A54. Çevik, A.S., (with Kinkar Ch. Das, Ivan Gutman), "On the Laplacian-Energy-Like Invariant", *Linear Algebra and its Applications,* Vol **442**, 58-68 (2014) **DOI:** 10.1016/j.laa.2013.05.002 (**SCI - Web of Science**)

A55. Çevik, A.S., (with N. Akgunes and Kinkar Ch. Das), "Some properties on the tensor product of graphs obtained by monogenic semigroups", *Applied Mathematics and Computation,* Vol **235**, 352-357 (2014), DOI:10.1016/j.amc.2014.03.007 (**SCI - Web of Science**)

A56. Çevik, A.S., (with A. Dilek Maden and Nader Habibi), "New bounds for the spread of the signless Laplacian spectrum", *MIA - Mathematical Inequalities and Applications,* Vol **17**(1), 283-294 (2014), DOI: 10.7153/mia-17-23 (**SCI - Web of Science**)

A57. Çevik, A.S., (with K.Ch. Das, I. Naci Cangul and A. Dilek Maden), "Minimality over free monoid presentations", *Hacettepe Journal of Mathematics and Statistics,* Vol **43**(6), 899-913 (2014) (**SCI - Web of Science**)

A58. Çevik, A.S., (with I. Naci Cangul and Yilmaz Simsek), "Generalizations of q-Apostol Type Eulerian Numbers and polynomials, and their Interpolation Functions", *Advanced Studies in Contemporary Mathematics (ASCM),* Volume 25, Number 2, April 2015, 211-220. (**Web of Science**)

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A60. Çevik, A.S., (with E.G. Karpuz, F. Ates), "Gröbner-Shirshov bases of some Weyl groups", *Rocky Mountain Journal of Mathematics*, Volume 45, Number 4, 1165-1175, (2015) (**SCI - Web of Science**)

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