Prof. Dr. Ahmet Sinan Çevik

Department of Mathematics, Faculty of Science, Selcuk University, 42075, 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
Res.Assis.	Balikesir University, Science and Art Faculty	1993-1998
Res.Assis.Dr.	Balikesir University, Science and Art Faculty	1998-1999
Assis.Prof.Dr.	Balikesir University, Science and Art Faculty	1999- 2004
Asoc.Prof.Dr	Balikesir University, Science and Art Faculty	2004- 2009
Asoc.Prof.Dr	Selcuk University, Science Faculty	2009- 2009
Prof. Dr.	Selcuk University, Science Faculty	2009-2018
Prof. Dr.	King Abdulaziz University (KAU), Science Faculty	2018 January.-2020 August
Prof. Dr.	Selcuk University, Science Faculty	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.

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.

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.)

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

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

Editor in JOURNAL OF APPLIED MATHEMATICS AND COMPUTING (**SCI**) (2014 – cont.).

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

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.).

Some refereed journals and indexes:

Turkish Journal of Mathematics.

Hacettepe Journal of Mathematics & Statistics (HJMS).

Applied Mathematics and Computation (AMC).

Fixed Point Theory and Applications (FPTA).

Discrete Applied Mathematics (DAM).

Journal of Inequalities and Applications (JIA).

Far East Journal of Mathematics (FEJM).

International Journal of Mathematics (IJM).

Mathematical Inequalities and Applications (MIA).

Advances in Difference Equations (ADE).

AIP (American Institute of Phsiycs) Conference Proceedings.

Selcuk Journal of Applied Mathematics (SJAM).

International Electronic Journal of Algebra (IEAJ).

Math. Review.

ZentrallBlatt.

Advanced Studies in Contemporary Mathematics.

Proceedings of the Jangjeon Mathematical Society.

Grants:

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*", <u>Conference Information:</u> 8th International Conference of Numerical Analysis and Applied Mathematics 2010 (ICNAAM 2010), SEP 19-25 2010, Rhodes, GREECE
<u>Source:</u> GENERATING FUNCTIONS OF SPECIAL NUMBERS AND POLYNOMIALS AND THEIR APPLICATIONS, <u>Book Series:</u> 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 ${\mathbb Z}[exp \frac{2i\pi}{3}]$*", <u>Conference Information:</u> 8th International Conference of Numerical Analysis and Applied Mathematics 2010 (ICNAAM 2010), SEP 19-25 2010, Rhodes, GREECE
<u>Source:</u> GENERATING FUNCTIONS OF SPECIAL NUMBERS AND POLYNOMIALS AND THEIR APPLICATIONS, <u>Book Series:</u> 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*",
<u>Conference Information:</u> 9th International Conference of Numerical Analysis and Applied Mathematics 2011 (ICNAAM 2011), SEP 19-25 2011, Halkidiki, GREECE
<u>Source:</u> GENERATING FUNCTIONS OF SPECIAL NUMBERS AND POLYNOMIALS AND THEIR APPLICATIONS,<u>Book Series:</u> 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*", <u>Conference Information:</u> 9th International Conference of Numerical Analysis and Applied Mathematics 2011 (ICNAAM 2011), SEP 19-25 2011, Halkidiki, GREECE <u>Source:</u> GENERATING FUNCTIONS OF SPECIAL NUMBERS AND POLYNOMIALS AND THEIR APPLICATIONS, <u>Book Series:</u> 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**)

A59. Çevik, A.S., (with E.G. Karpuz, F. Ates, J. Koppitz), "Gröbner-Shirshov bases and embedding of a semigroup in a group", *Advanced Studies in Contemporary Mathematics (ASCM),* Volume 25, Number 4, October 2015, 537-545. (**Web of Science**)

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**)

A61. Çevik, A.S., (with N. Akgunes, Kinkar Ch. Das, M. Togan, A. Yurttas, I.N. Cangul), "On the first Zagreb index and multiplicative Zagreb coindices of graphs", *Analele Stiintifice ale Universitatii Ovidius Constanta,* Vol XXIV Fascicola 1 (2016). (**SCI - Web of Science**)

A62. Çevik, A.S., (with E.G. Karpuz, F. Ates, I.N. Cangul), "A presentation and some finiteness conditions for a new version of the Shützenberger product of monoids", *Turkish Journal of Mathematics (TJM),* Vol 40, 224-233, (2016) DOI: 10.3906/mat-1502-73. (**SCI - Web of Science**)

A63. Çevik, A.S., (with E.G. Karpuz, F. Ates, I.N. Cangul, E.K. Cetinalp), "On Commutator and Power Subgroups of some Coxeter Groups", *Applied Mathematics & Information Sciences (AMIS)*, Vol 10, Number 2, 777-783, (2016). DOI: 10.18576/amis/100238 (**Web of Science**)

A64. Çevik, A.S., (with S. Topkaya), "A new graph over semi-direct products of groups", *Filomat*, Vol 30, Number 3, 611-619, (2016). DOI: 10.2298/FIL1603611T (**SCI - Web of Science**)

A65. Çevik, A.S., (with E.G. Karpuz, F. Ates, E.K. Cetinalp), "Two-sided crossed products of groups", *Filomat*, Vol 30, Number 4, 1005-1012, (2016). DOI: 10.2298/FIL1604005C (**SCI - Web of Science**)

A66. Çevik, A.S., (with N. Urlu, E.G. Karpuz, F. Ates, I.N. Cangul), "A note on the Gröbner-Shirshov bases over ad-hoc extensions of groups", *Filomat*, Vol 30, Number 4, 1037-1043, (2016). DOI: 10.2298/FIL1604037K (**SCI - Web of Science**)

A67. Çevik, A.S., (with A.R. Bindusree, I.N. Cangul, V. Lokesha), "Zagreb polynomials of three graph operators", *Filomat*, Vol 30, Number 7, 1979-1986, (2016). DOI: 10.2298/FIL1607979B (**SCI - Web of Science**)

A68. Çevik, A.S., (with E.G. Karpuz, F. Ates, I.N. Cangul), "Finite Derivation Type of Graph Products of Monoids", *Filomat*, Vol 30, Number 7, 1987-1995, (2016). DOI: 10.2298/FIL1607987K. (**SCI - Web of Science**)

A69. Çevik, A.S., (with I. Naci Cangül, Aysun Yurttaş, Muge Togan),"New formulae for Zagreb indices", *Proceedings of the International Conference on Numerical Analysis and Applied Mathematics 2016 (ICNAAM-2016)* Book Series: AIP Conference Proceedings Volume: 1863 Article Number: UNSP 300013-1 Published: 2017 doi: 10.1063/1.4992462 Edited by: Simos, T; Tsitouras, C, Conference: International Conference on Numerical Analysis and Applied Mathematics (ICNAAM) Location: Rhodes, Greece Date: SEP 19-25, 2016 (**Web of Science**)

A70. Çevik, A.S., (with K. Ch. Das, A.D. Maden, I.N. Cangul), "On average eccentricity of graphs", *Proc. Natl. Acad. Sci., India, Sect. A Phys. Sci.*, 87(1), 23–30, (2017) DOI. 10.1007/s40010-016-0315-8 (**SCI - Web of Science**)

A71. Çevik, A.S., (with I. Gutman, M. Togan, A. Yurttas, I.N. Cangul), "Inverse Problem for Sigma Index", *MATCH – Communications in Mathematical and in Computer Chemistry,* Vol **79**(2), 491-508, (2018). (**SCI - Web of Science**)

A72.   Çevik, A.S., (with F. Ates, E. G. Karpuz), "Gröbner-Shirshov basis for the singular part of the Brauer semigroup", *Turkish Journal of Mathematics*, Vol **42**, 1338-1347, (2018). (**SCI - Web of Science**)

A73.   Çevik, A.S., (with V. Lokesha, R. Shruti, P.S. Ranjini), "On certain topological indices of nanostructures using $Q(G)$ and $R(G)$ operators", *Commun. Fac. Sci. Univ. Ank. Ser. A1 Math. Stat.* Volume **66**, Number 2, 178-187, (2018). (**ESCI - Web of Science**)

A74.   Çevik, A.S., (with E. K. Cetinalp, E. G. Karpuz), "Complete Rewriting System for the Shutzenberger Product of *n* Groups", *Asian-European Journal of Mathematics,* Vol **12**(1), 1950012, (2019). (**ESCI - Web of Science**)

A75.   Çevik, A.S., (with M. Togan, A. Yurttas, I.N. Cangul), "Zagreb indices and multiplicative Zagreb indices of double graphs of subdivision graphs", *TWMS J. App. Eng. Math.* Vol **9**(2), 404-412, (2019). (**ESCI - Web of Science**)

A76.   Çevik, A.S., (with S. Aykac, N. Akgunes), "Analysis of Zagreb indices over zero-divisor graphs of commutative rings", *Asian-European Journal of Mathematics,* Vol. **12**(6) (2019) 2040003 (19 pages). (**ESCI - Web of Science**)

A77.   Çevik, A.S., (with N. U. Ozalan, E. G. Karpuz), "A new semigroup obtained via known ones", *Asian-European Journal of Mathematics,* Vol. **12**(6) (2019) 2040008 (13 pages). (**ESCI - Web of Science**)

A78.   Çevik, A.S., (with M. Togan, A. Yurttas, A.S. Cevik, I.N. Cangul), "Efect of Edge Deletion and Addition on Zagreb Indices of Graphs", *Mathematical Methods in Engineering, Theoretical Aspects,* (Tas, K., Baleanu, D., Machado, J. (eds)), Book Series: Nonlinear Systems and Complexity, Volume 23, Springer, pg. 191-201, 2019. Conference: International Symposium on Mathematical Methods in Engineering (MME) Location: Cankaya Univ, Ankara, TURKEY Date: APR 27-29, 2017 (**Web of Science**)

A79.   Çevik, A.S., (with N. Akgunes, I.N. Cangul, A.S. Cevik), "A Note on the Upper Bound of Average Distance via Irregularity Index", *Mathematical Methods in Engineering, Theoretical Aspects,* (Tas, K., Baleanu, D., Machado, J. (eds)), Book Series: Nonlinear Systems and Complexity, Volume 23, Springer, pg. 267-271, 2019. Conference: International Symposium on Mathematical Methods in Engineering (MME) Location: Cankaya Univ, Ankara, TURKEY Date: APR 27-29, 2017 (**Web of Science**)

A80.   Çevik, A.S., "An example of large groups", *Bull. Korean Math. Soc.* **57**(1), 195-206 (2020). (**SCI - Web of Science**)

A81.   Çevik, A.S., (with E.G. Karpuz, H.H. Alsulami, E.K. Cetinalp), "A Gröbner-Shirshov basis over a special type of braid monoids", *AIMS-Mathematics* **5**(5), 4357-4370 (2020). (**SCI - Web of Science**)

A82.   Çevik, A.S., (with V. Lokesha, S. Jain, M. Muddalapuram, I.N. Cangul), "Bounds for the sum of cubes of vertex degrees of splice graphs", *TWMS J. App. Eng. Math.* Vol **10**(3), 741-750, (2020). (**ESCI - Web of Science**)

A83.   Çevik, A.S. (with I.N. Cangul, A. Yurttas Gunes, S. Delen, M. Demirci), "Fibonacci Graphs", *MDPI-Symmetry* **2020**, Vol 12 Issue 9, 1383; doi:10.3390/sym12091383. (**SCI - Web of Science**)

A84.   Çevik, A.S., (with S. A. Wazzan, F. Ates), "Some algebraic structures on the generalization general products of monoids and semigroups", *Arabian Journal of Mathematics,* Vol. **9**(3), 727-737, (2020). (**ESCI - Web of Science**)

A85.   Çevik, A.S., (with A. H. Albargi), "A solution of the word problem for braid groups via the complex reflection group *G*12", *Filomat,* Vol 34, No 2, 461-467, (2020) (**SCI - Web of Science**)

A86. Çevik, A.S., (with S. A. Wazzan, F. Ates), "The new derivation for wreath products of monoids", *Filomat,* Vol 34, No 2, 683-689, (2020) (**SCI - Web of Science**)

A87. Çevik, A.S. (with K.Ch. Das, I.N. Cangul, Y. Shang), "On Sombor index", *MDPI-Symmetry* **2021**, Vol 13 Issue 1, 140; https://doi.org/10.3390/sym13010140. (**SCI - Web of Science**)

A88. Çevik, A.S., (with S. A. Wazzan, F. Ates), "A higher version of Zappa products for monoids", *HJMS-Hacettepe Journal of Mathematics and Statistics,* Vol. 50, No 1, 224-234, (2021). DOI : 10.15672/hujms.703437 (**SCI - Web of Science**)

A89. Çevik, A.S., (with F. Ates, E.G. Karpuz), "On the geometry of the crossed product of groups", *Bull. Korean Math. Soc.* (Accepted). (**SCI - Web of Science**)

B. Papers published in other indexes:

B1. Çevik, A.S., "The Efficiency on 2-generators of Semi-Direct Product of Groups", *Commun. Fac. Sci. Univ. Ank. Ser. A1 Math. Stat.*, **48**, 7-13 (1999).

B2. Çevik, A.S., (with Figen Açıl Kiraz), "The p-Cockcroft property of the Graph product", *Commun. Fac. Sci. Univ. Ank. Ser. A1 Math. Stat.*, Vol **53** (1) (2004).

B3. Çevik, A.S., (with Özgür, N. Y., Şahin, R.) "The Extended Hecke Groups as a Semi-Direct Product and Related Results", *Inter. J. of Applied Math. & Statistics,* Vol **13**, No. S08, 63-72, (2008).

B4. Çevik, A.S., (with Eylem Güzel), "On results of the holomorph of a finite cyclic group", *Selcuk Journal of Applied Mathematics*, Vol. **9**, No. 1, 3-8, (2008).

B5. Çevik, A.S., (with I.N. Cangul) "Matroids in terms of Cayley Graphs and some related results", *General Mathematics,* Vol. **17**, No. 2, 87-97, (2009).

B6. Çevik, A.S., (with A. Dilek Gungor, E.G. Karpuz, F. Ates), "A New Example of Minimality of Monoids" *AEJM – Asian Europen Journal of Mathematics,* Vol **3**(4), 531-544, (2010).

B7. Çevik, A.S., (with E.G. Karpuz and Firat Ates), "Regular and p-Inverse Monoids under Schutzenberger products", *Algebras, Groups and Geometries*, Vol **27**, Number 4, December 2010, 455-470.

B8. Çevik, A.S., (with E.G. Karpuz), "Some Decision Problems for Extended Modular Groups" *Southeast Asian Bulletin of Math.,* Vol **35**, 793-804, (2011).

B9. Çevik, A.S., (with I.N. Cangul, V. Lokesha, P.S. Ranjini), "Sharp bounds for SZ, PI and GA_2 indices in terms of the number of triangles", *Ilirias Journal of Mathematics,* Vol **4** Issue 1, 41-49, (2015), ISSN: 2334-6574.

B10. Çevik, A.S., (with V. Lokesha, Sushmitha Jain, T. Deepika), "Operations on Dutch Windmill Graph of Topological indices", *Proceeding of the Jangjeon Mathematical Society*, Vol **21**(3), 525-534, (2018).

B11. Çevik, A.S., (with V. Lokesha, I.N. Cangul, M. Manjunath, B. Chaluvaraju, K.M. Devendraiah), "Computation of Adriatic indices of certain operators of regular and complete bipartite graphs", *Advanced Studies in Contemporary Mathematics*, Vol **28**(2), 231-244, (2018).

B12. Çevik, A.S., (with E.G. Karpuz, N.U. Ozalan), "Gröbner-Shirshov Basis for Complex Reflection Group", *Konuralp Journal of Mathematics,* Vol **7**(1), 79-90, (2019), e-ISSN: 2147-625X

B13. Çevik, A.S., (with V. Lokesha, R. Shruti), "*M*-Polynomial of subdivision and complementary

graphs of Banana tree graph" *Journal of the International Mathematical Virtuel Institute,* Vol **10**(1), 157-182, (2020), DOI: 10.7251/JIMVI2001157L

B14. Çevik, A.S., (with V. Lokesha, Sushmitha Jain, I. Naci Cangul), "New results on the F-index of graphs based on corona-type products of graphs", *Proceeding of the Jangjeon Mathematical Society*, Vol **23**(2), 141-147, (2020).

B15. Çevik, A.S., (with P.G. Sheeja, P. S. Ranjini, V. Lokesha), "Computation of the SK index over different corona products of graphs", *Palestine Journal of Mathematics*, Vol **10**(1), 8-16, (2021).

C. Books

International

C1-1. Çevik, A.S., (with Fırat Ateş), "Minimal But Inefficient presentations for Semi-direct Products of Finite Cyclic Monoids", *Groups St. Andrews* 2005*, Volume* 1**,** Cambridge University Press, Edt:C.M. Campbell, E.F. Robertson, N. Ruskuc, 701 pages, Cambridge University Press, Edit.r:C.M. Campbell, E.F. Robertson, N. Ruskuc, Basım sayısı:1, Sayfa Sayısı 701, LMS Lecture Note Series No. 339, pg. 170-185, 2007, ISBN:www.cambridge.org/9780521694698.

C1-2. Çevik, A.S., (with Kinkar Ch. Das, N. Akgunes), "Topological Indices of Graphs over Monogenic Semigroups", Chapter in the book *Topics in Chemical Graph Theory*, (Edt. Ivan Gutman) in Mathematical Chemistry Monographs No. 16a, pp 3-20, IV+262 pp. Softcover, ISBN: 978-86-6009-027-2, Publisher: University of Kragujevac and Faculty of Science Kragujevac, Kragujevac, 2014.

C1-3. Çevik, A.S., (with I.N. Cangul, A. Yurttas, M. Togan), "Bounds on Subdivision and *r*-Subdivision Graphs and Degree based Graph Indices", Chapter in the book *Bounds in Chemical Graph Theory - Advances* (Edt(s). I. Gutman, B. Furtula, K. C. Das, I. Z. Milovanovic, E. I. Milovanovic) in Mathematical Chemistry Monograph No. 21, pp 233-254, pp. Softcover, ISBN: 978-6009-046-3, Publisher: University of Kragujevac and Faculty of Science Kragujevac, Kragujevac, 2017.

National

C2-1. Çevik, A.S. ve Bozacı, E., "Genel Matematik 1 – Meslek Yüksek Okulları için Matematik ve Çözümleri", *Nobel Yayın Dağıtım, Ankara,* 7.Baskı, Sayfa Sayısı 264, *Ekim* 2016. ISBN 978-605-133-361-8

C2-2-1. Çevik, A.S., "Cebire Giriş", *Detay Yayın Dağıtım*, *Ankara,* 1. Baskı, Ekim 2008, ISBN 978-9944-223-63-8

C2-2-2. Çevik, A.S., "Cebire Giriş", *Nobel Yayın Dağıtım*, *Ankara,* 2. Baskı, Ekim 2010, ISBN 978-605-395-401-9

C2-2-3. Çevik, A.S., "Cebire Giriş", *Nobel Yayın Dağıtım*, *Ankara,* 3. Baskı, Mart 2014, ISBN 978-605-133-757-9

C2-2-4. Çevik, A.S., "Cebire Giriş", *Nobel Yayın Dağıtım*, *Ankara,* 4. Baskı, Şubat 2021, ISBN 978-605-133-757-9

C2-3. Çevik, A.S., "Soyut Cebir – Özel Konular", *Nobel Yayın Dağıtım*, *Ankara,* 1. Baskı, Ekim 2012, ISBN 978-605-133-301-4

C2-4. Çevik, A.S., "Çözümlü Cebir Problemleri - 1", *Nobel Yayın Dağıtım*, *Ankara,* 1. Baskı, Nisan 2016, ISBN 978-605-320-375-9

D. <u>National Publications:</u>

D1. Çevik, A.S., (with Fırat Ateş), **"**Minimal but Inefficient Presentations of the Semi-Direct Product of Finite Cyclic Groups", *BA.Ü. Fen Bilimleri Enstitüsü Dergisi*, Vol **6** (2), 59-66, (2004).

E. <u>International Conferences and Invited talks:</u>

E1. Çevik, A.S., "The p-Cockcroft Property of Central Extensions of Groups", *I. Antalya Algebra Days,* 1999.

E2. Çevik, A.S., "The Efficiency of Standard Wreath Product", *IV. Antalya Algebra Days,* 2002.

E3. Çevik, A.S., "The p-Cockcroft property of Semi-Direct Products of Monoids", *V. Antalya Algebra Days,* 2003.

E4. Çevik, A.S., "Some Minimal but Inefficient Monoid Presentations", *VI. Antalya Algebra Days,* 2004.

E5. Çevik, A.S., "Minimal but Inefficient Presentations for Semidirect products of Finite Cyclic Monoids", *VIII. Antalya Algebra Days,* 2006.

E6. Çevik, A.S., "Some Minimal Monoid Presentations", *Mathematical Methods in Applied Sciences, Bursa,* 2008.

E7. Çevik, A.S., "Geometric Approximations to Minimality of Monoids*", 20 th International Congress of Jangjeon Mathematical Society, 21-23 August, Bursa,* 2008.

E8. Çevik, A.S. & Karpuz G.E., "Decision Problems over Semigroups", *77th Workshop on General Algebra (24th. Conference for Young Algebraist),*University of Potsdam, Germany, 20-22 March 2009.

E9. Çevik, A.S., "A Relationship between Subgroup Separability and Efficiency*", 5th Asian Mathematical Conference,* 22-26 June, Kuala Lumpur*,* 2009.

E10. Çevik, A.S. & Karpuz G.E., "The Word and Generalized Word Problem for Semigroups under Wreath Products", *79th Workshop on General Algebra*, Olomouc, February 12-14, 2010.

E11. Çevik, A.S. (joint work with Gungor A.D.), "Some Bounds for Extreme Singular Values of a Complex Matrix*",* International Congress in Honour of Professor H. M. Srivastava on his 70th Birth Anniversary, Uludag University, Bursa, Turkey, 18-21 August 2010.

E12. Çevik, A.S. (joint work with Karpuz E.G., Gungor A.D., Ates F., Cangul I.N.), "One dimension higher of the word problem for monoids*",* International Congress in Honour of Professor H. M. Srivastava on his 70th Birth Anniversary, Uludag University, Bursa, Turkey, 18-21 August 2010.

E13. Çevik, A.S. (joint work with Gungor A.D., Ates, F., Karpuz, E.G., Cangul I.N.), "A New Example of Deficiency One Groups", "Generating functions of special numbers and polynomials and their applications" with in International Conference of Numerical Analysis and Applied Mathematics 2010 (ICNAAM 2010)", Rhodes, Grecee, 19-26 September 2010.

E14. Çevik, A.S. (joint work with Gungor A.D., Ates, F., Karpuz, E.G., Cangul I.N.), "On the Efficiency of Semi-Direct Products of Finite Cyclic Monoids by One-Relator Monoids", "Generating functions of special numbers and polynomials and their applications" with in International Conference of Numerical Analysis and Applied Mathematics 2010 (ICNAAM 2010)", Rhodes, Grecee, 19-26 September 2010.

E15. Çevik, A.S. (joint work with Gungor A.D., Ates, F., Karpuz, E.G., Cangul I.N.), "Generalization for Estrada Index", "Generating functions of special numbers and polynomials and their applications" with in International

Conference of Numerical Analysis and Applied Mathematics 2010 (ICNAAM 2010)", Rhodes, Grecee, 19-26 September 2010.

E16. Çevik, A.S. (joint work with Gungor A.D., Ates, F., Karpuz, E.G., Cangul I.N.), "On the Norms of Toeplitz and Henkel Matrices with Pell Numbers", "Generating functions of special numbers and polynomials and their applications" with in International Conference of Numerical Analysis and Applied Mathematics 2010 (ICNAAM 2010)", Rhodes, Grecee, 19-26 September 2010.

E17.   Çevik, A.S. (joint work with Gungor A.D., Namli, D., Tekcan, A., Cangul I.N.), "Primes in ${\mathbb Z}[exp \frac{2i\pi}{3}]$", "Generating functions of special numbers and polynomials and their applications" with in International Conference of Numerical Analysis and Applied Mathematics 2010 (ICNAAM 2010)", Rhodes, Grecee, 19-26 September 2010.

E18. Çevik, A.S., "Deficiencies on Groups and Monoids", *81st Workshop on General Algebra*, Salzburg University, Salzburg, Austria, 03-06 February 2011.

E19. Çevik, A.S., "Some Minimality Results on Monoids", *82nd Workshop on General Algebra*, University of Potsdam, Potsdam, Germany, 24-26 June 2011.

E20. Çevik, A.S., 24th The Conference of International Jangjeon Mathematical Society, 20-23 July 2011 Konya, Türkiye. (Head of Organisation).

E21. 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", "Generating functions of special numbers and polynomials and their applications" with in International Conference of Numerical Analysis and Applied Mathematics 2011 (ICNAAM 2011)", Halkidiki, Grecee, 19-26 September 2011.

E22. Çevik, A.S., (with Firat Ates, Eylem G. Karpuz), "Conjugacy for free groups under split extensions", "Generating functions of special numbers and polynomials and their applications" with in International Conference of Numerical Analysis and Applied Mathematics 2011 (ICNAAM 2011)", Halkidiki, Grecee, 19-26 September 2011.

E23. Çevik, A.S., "Grobner-Shirshov Bases of Bruck-Reilly *-Extensions of Monoids", *25th The Conference of International Jangjeon Mathematical Society*, 23-27 Temmuz 2012 Seul, Korea.

E24. Çevik, A.S., (with Nihat Akgüneş and Kinkar Chandra Das) "On a Graph of Monogenic Semigroups", International Congress in Honour of Professor Hari M. Srivastava at The Auditorium at the Campus of Uludag University Bursa-TURKEY August 23-26, 2012.

E25. Çevik, A.S., (with Kinkar Chandra Das and I. Naci Cangül) "The Number of Spanning Trees of a Graph", International Congress in Honour of Professor Hari M. Srivastava at The Auditorium at the Campus of Uludag University Bursa-TURKEY August 23-26, 2012.

E26.   Çevik, A.S., (with Kinkar Chandra Das, Aysun Yurttaş, Müge Togan and I. Naci Cangül) "Multiplicative Zagrep Indices of some Graph Operations of Complete Graphs", International Congress in Honour of Professor Hari M. Srivastava at The Auditorium at the Campus of Uludag University Bursa-TURKEY August 23-26, 2012.

E27.   Çevik, A.S., (with Kinkar Chandra Das, Ayse Dilek Maden, Ismail Naci Cangul, Betul Acar) "The Kirchhoff matrix, new Kirchhoff indices and the Kirchhoff Energy", International Conference on the Theory, Methods and Applications of Nonlinear Equations. Texas A&M University – Kingsville, 17-21 December 2012, USA.

E28.   Çevik, A.S., (with Kinkar Chandra Das, Aysun Yurttaş, Müge Togan and I. Naci Cangül) "Bounds over Multiplicative Zagrep Indices", International Conference on the Theory, Methods and Applications of Nonlinear Equations. Texas A&M University – Kingsville, 17-21 December 2012, USA.

E29. Çevik, A.S., (with I. Naci Cangül, Aysun Yurttaş, Muge Togan),"*Some formulae for the Zagreb indices of graphs*", Conference Information: 10th International Conference of Numerical Analysis and Applied Mathematics 2012 (ICNAAM 2012), SEP 19-25 2012, Kos, GREECE Source: GENERATING FUNCTIONS OF SPECIAL NUMBERS AND POLYNOMIALS AND THEIR APPLICATIONS Book Series: AIP Conference Proceedings, (Edt. Theodore E. Simos, George Psihoyios, Ch. Tsitouras, Zacharias Anastassi), Volume 1479, pg. 365-367, 2012. (Web of Science)

E30.   Çevik, A.S., (with I. Naci Cangül and Yilmaz Simsek) "A new approach to connect algebra with analysis: Relationships and applications between presentations and generating functions", International Workshop "Questions, Algorithms, and Computations in Abstract Group Theory". Braunschweigh, 21-24 May 2013 Germany.

E31.   Çevik, A.S., (with N. Akgüneş) "Some indices on a special graph", 4th International Conference on Matrix Analysis and Applications, Konya, 02-05 July 2013 Turkey.

E32.   Çevik, A.S., (with I. Naci Cangül and Yilmaz Simsek) "Relationships between presentations and generating functions", 26th The Conference of International Jangjeon Mathematical Society, 01-05 Agust 2013, Bangalore, India.

E33.   Çevik, A.S., International Conference on Algebra in honour of Patrick Smith's and John Clark's 70th Birthdays, *http://ica.balikesir.edu.tr/* 12-15 August 2013, Balikesir, Turkey. (Member of the Organisation Committee).

E34.   Çevik, A.S., International Congress in honour of Ravi Agarwal, June 23-26, 2014, Bursa Turkey (Member of the Organisation and Scientific Committees).

E35.   Çevik, A.S., (with I. Naci Cangül and Yilmaz Simsek) "Relationships between presentations and generating functions", 27th International Conference of the Jangjeon Mathematical Society, p-Analysis, Umbral Algebra and their Applications, 02-04 August 2014, Daejeon, Korea (Speaker - Member of the Scientific Committee).

E36.   Çevik, A.S., "Some new indices on special graphs", International Conference on Recent Advances in Pure and Applied Mathematics ICRAPAM 2014, 06-09 November 2014, Antalya, Turkey (Speaker - Member of the Scientific Committee).

E37.   Çevik, A.S. (with M. Togan, A. Yurttas, I.N. Cangul) "Minimal polynomials corresponding to spectral sets of some graphs", 28. International Conference on the Jangjeon Mathematical Society ICJMS 2015, 15-19 May 2015, Antalya, Turkey (Joint worker - Member of the Scientific Committee).

E38.   Çevik, A.S. (with F. Ates, E.G. Karpuz, I.N. Cangul) "A presentation and some finiteness conditions for a new version of the Shützenberger product of monoids", 28. International Conference on the Jangjeon Mathematical Society ICJMS 2015, 15-19 May 2015, Antalya, Turkey (Speaker - Member of the Scientific Committee).

E39.   Çevik, A.S. (with E.G. Karpuz, N. Urlu) "Gröbner-Shirshov basis of an exceptional Braid groups", 28. International Conference on the Jangjeon Mathematical Society ICJMS 2015, 15-19 May 2015, Antalya, Turkey (Joint worker - Member of the Scientific Committee).

E40. Çevik, A.S. (with F. Ates, E.G. Karpuz, I.N. Cangul) "The New Type of Shützenberger Products of Monoids", 2nd International Conference on Recent Advances in Pure and Applied Mathematics ICRAPAM 2015, 03-06 June 2015, Istanbul, Turkey (Speaker - Member of the Scientific Committee).

E41. Çevik, A.S. (with S. Topkaya) "A new graph over semi-direct products of groups", 2nd International Conference on Recent Advances in Pure and Applied Mathematics ICRAPAM 2015, 03-06 June 2015, Istanbul, Turkey (Joint worker - Member of the Scientific Committee).

E42. Çevik, A.S. (with I.N. Cangul, M. Togan, A. Yurttas) "Some Zagreb Indices of Double Graphs", 2nd International Conference on Recent Advances in Pure and Applied Mathematics ICRAPAM 2015, 03-06 June 2015, Istanbul, Turkey (Joint worker - Member of the Scientific Committee).

E43. Çevik, A.S. (with E. Kangal, E.G. Karpuz) "The Word problem on Special Cases", 2nd International Conference on Recent Advances in Pure and Applied Mathematics ICRAPAM 2015, 03-06 June 2015, Istanbul, Turkey (Joint worker - Member of the Scientific Committee).

E44. Cangul, I. N., Yurttas, A., Togan, M., Cevik, A. S., "Graph Theoretical Indices and Some Applications", International Conference on Applied Mathematics and Numerical Methods, 14-16.04.2016, University of Craiova, Romania (Joint worker).

E45. Cangul, I. N., Yurttas, A., Togan, M., Cevik, A. S., "Chemical Applications of Graph Indices", 3rd International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2016), 19-23.05.2016, Bodrum-Mugla-Turkey (Joint worker).

E46. Cangul, I. N., Yurttas, A., Togan, M., Cevik, A. S., "Results and Applications regarding the Topological Graph Indices", 11th Ankara Mathematics Days, Ankara University, 26-27.05.2016, Ankara-Turkey (Joint worker).

E47. Cangul, I. N., Yurttas, A., Togan, M., Cevik, A. S., "Topological Descriptors of Some Graphs", 3rd Istanbul Design Theory, Graph Theory and Combinatorics Workshop, Koc University, 13-17.06.2016, Istanbul-Turkey (Joint worker).

E48. Cangul, I. N., Yurttas, A., Togan, M., Cevik, A. S., "Edge Operations in Graphs and Zagreb Indices", Interational Conference on Analysis and its Applications, Ahi Evran University, 12-15.07.2016, Kırşehir-Turkey (Joint worker).

E49. Cangul, I. N., Yurttas, A., Togan, M., Cevik, A. S., "Some Inequalities with Zagreb Indices", Distance in Graph 2016, 18-22.07.2016, Bali-Indonesia (Joint worker).

E50. Cangul, I. N., Yurttas, A., Togan, M., Cevik, A. S., "Graph Descriptors and Chemical Applications", 5th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2016), 16-19.08.2016, Belgrade-Serbia (Joint worker).

E51. Cangul, I. N., Yurttas, A., Togan, M., Cevik, A. S., "Applications of Topological Graph Indices", 2nd International Conference on Algebra in Honour of Leonid BOKUT and Surender K. JAIN, 26-29.08.2016, Burhaniye-Balikesir-Turkey (Joint worker – Head of Organization).

E52. Cangul, I. N., Yurttas, A., Togan, M., Cevik, A. S., "New Formulae for Zagreb Indices", 14th International Conference of Numerical Analysis and Applied Mathematics, ICNAAM 2016, 19-25 September 2016, Rodos Palace Hotel, Rhodes, Greece (Joint worker).

E53. Cevik, A. S., Wazzan, S. A., Ates, F., "New constructions on a special type of General products over monoids", The 2nd Mediterranean International Conference of Pure & Applied Mathematics and Related Areas (MICOPAM 2019), 28-31 August 2019, Paris, France (Speaker - Member of the Scientific Committee).

F. National Conferences and Invited talks:

F1.   Çevik, A.S., "The Efficiency of Standard Wreath Product", *XI. Ulusal Matematik Sempozyumu,* Isparta, 1998.

F2.   Çevik, A.S., "A Geometric Technique on Monoids*", Ege Üniversitesi, Fen-Edebiyat Fakültesi Matematik Bölümü, İzmir,* 10 Kasım 2008.

F3.   Çevik, A.S. & Karpuz G.E., "Yarıgrupların Wreath Çarpımı için Kelime ve Genelleştirilmiş Kelime Problemi", *TMD XXII Ulusal Matematik Sempozyumu*, 31 Agustos – 3 Eylül, 2009, Şirince, Selçuk-Izmir.

F4.   Çevik, A.S., "Monoidlerin Yarı-direkt Çarpımının *p*-Cockcroftluk Özelliği*", 2. Ulusal Konya Ereğli Kemal Akman Meslek Yüksek Okulu Tebliğ Günleri,* 13-14 Mayıs 2010.

F5.   Çevik, A.S., *3. Ulusal Konya Ereğli Kemal Akman Meslek Yüksek Okulu Tebliğ Günleri,* Nisan 2011 (Chairman).

F6.   Çevik, A.S., *XXIV. Ulusal Matematik Sempozyumu,* Bursa, 2011 (Chairman).