

M. Yasir KIZMAZ

CURRENT

INSTITUTION CONTACT INFORMATION

Department of Mathematics
Bilkent University
06800 Bilkent, Ankara, Turkey

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RESEARCH INTERESTS

Finite Group Theory, Fusion Systems, Skew Braces, Representation Theory

CURRENT POSITION

- Assistant Professor, Bilkent University (2024-present)

POSTDOCS

- Postdoctoral Researcher, Martin Luther University Halle-Wittenberg, with Prof. Dr. Rebecca Waldecker (2022-2023)
- Postdoctoral Researcher, Middle East Technical University, with Prof. Dr. Yıldırım Ozan (2021-2022)
- Postdoctoral Researcher, Bilkent University, with Prof. Dr. Ergün Yalçın (2018-2019)

OTHER JOB EXPERIENCES

- Visiting Assistant Professor, Bilkent University (2019-2021)
- Research Assistant, Middle East Technical University (2012-2018)

TEACHING EXPERIENCE

2012-present: Single and Multivariable Calculus, Abstract Algebra, Linear Algebra, Finite Group Theory, and Transfer and Fusion in Group Theory.

EDUCATION

Middle East Technical University, Math Department

Ph.D. Degree, Mathematics (2018 September)

- Dissertation Topic: The influence of some embedding properties of subgroups on the structure of a finite group.
- Advisor: Prof. Dr. Gülin Ercan

Middle East Technical University

B.S. in Mathematics, June 2012

- High honors in mathematics scholarship

PUBLICATIONS

M.Y. Kızmaç, *A geodesic insight into some fundamental fusion theorems*. Arch. Math. (Basel) 124 (2025), no. 4, 377–388. [doi:10.1007/s00013-025-02101-5](https://doi.org/10.1007/s00013-025-02101-5)

M.Y. Kızmaç, *A generalization of Alperin Fusion theorem and its applications*. J. Algebra 647 (2024), 172–205. [doi:10.1016/j.jalgebra.2024.02.016](https://doi.org/10.1016/j.jalgebra.2024.02.016)

M.Y. Kızmaç, *Fusion in supersolvable Hall subgroups*. Turkish J. Math. 48 (2024), no. 2, 118–122. [doi:10.55730/1300-0098.3497](https://doi.org/10.55730/1300-0098.3497)

M.Y. Kızmaz, *Some new characteristic p -functors and Thompson's critical subgroup*. Comm. Algebra 52 (2024), no. 2, 473–478. doi:10.1080/00927872.2023.2243511

G. Ercan, İ. Ş. Güloğlu, M.Y. Kızmaz, D. O. Revin, *Some special coprime actions and their consequences*. J. Pure Appl. Algebra 228 (2024), no. 12, Paper No. 107764. doi:10.1016/j.jpaa.2024.107764

M.Y. Kızmaz, *On the rank and exponent of the fixed points of coprime actions*. Acta Math. Hungar. 166 (2022), no. 1, 107–114. doi:10.1007/s10474-021-01198-8

M.Y. Kızmaz, *A Fitting height lemma and its applications*. Arch. Math. (Basel) 117 (2021), no. 1, 29–39. doi:10.1007/s00013-021-01591-3

M.Y. Kızmaz, *On the influence of the fixed points of an automorphism to the structure of a group*. J. Algebra 572 (2021), 326–336. doi:10.1016/j.jalgebra.2020.12.025

M.Y. Kızmaz, *An extension of the Glauberman ZJ-theorem*. Internat. J. Algebra Comput. 31 (2021), no. 1, 117–133. doi:10.1142/S0218196721500065

M.Y. Kızmaz, *A generalization of Hall-Wielandt theorem*. J. Algebra 543 (2020), 156–169. doi:10.1016/j.jalgebra.2019.10.018

M.Y. Kızmaz and E. Yalçın, *Finite groups of rank two which do not involve $Qd(p)$* . Proc. Amer. Math. Soc. 148 (2020), no. 9, 3713–3721. doi:10.1090/proc/15066

M.Y. Kızmaz, *A short note on Isaacs–Navarro's Theorem*. Arch. Math. (Basel) 113 (2019), no. 3, 225–227. doi:10.1007/s00013-019-01334-5

I. M. Isaacs and M.Y. Kızmaz, *Cyclic intersections and control of fusion*. Arch. Math. (Basel) 113 (2019), no. 6, 561–563. doi:10.1007/s00013-019-01359-w

M.Y. Kızmaz, *A sufficient condition for fixed points of a coprime action to have a normal complement*. Arch. Math. (Basel) 112 (2019), no. 1, 1–3. doi:10.1007/s00013-018-1209-6

M.Y. Kızmaz, *Some sufficient conditions for p -nilpotency of a finite group*. Comm. Algebra 47 (2019), no. 9, 3579–3582. doi:10.1080/00927872.2019.1567752

M.Y. Kızmaz, *On the number of topologies on a finite set*. Algebra Discrete Math. 27 (2019), no. 1, 50–57. <https://admjournal.luguniv.edu.ua/index.php/adm/article/view/437>

M.Y. Kızmaz, *Character free proofs for two solvability theorems due to Isaacs*. Comm. Algebra 46 (2018), no. 6, 2631–2634. doi:10.1080/00927872.2017.1392543

M.Y. Kızmaz, *Finite groups having nonnormal T.I. subgroups*. Internat. J. Algebra Comput. 28 (2018), no. 5, 905–914. doi:10.1142/S021819671850039X

PREPRINTS

G. Ercan, Ş. Gül, İ. Ş. Güloğlu, M.Y. Kızmaz, *The Baer transform for skew braces*. Preprint (2026). arXiv:2607.03081

G. Ercan, Ş. Gül, İ. Ş. Güloğlu, M.Y. Kızmaz, *Sylow theory and the nilpotency class of left nilpotent skew braces*. Preprint (2026). arXiv:2606.25691

CONFERENCES	Advances in Group Theory and Applications 2014. Zassenhaus Group Theory Conference 2015. (As a speaker) Finite Groups and Their Automorphisms 2017. (As a speaker) Antalya Cebir Günleri XXI 2019. (As a speaker) 33. Ulusal Matematik Sempozyumu 2021 (As a speaker) Nikolaus Conference 2022 (As a speaker) Groups and topological groups Conference 2023 Halle (As an organiser) IMBM Mathematics Days VIII 2024 (As a speaker) Finite Groups and Their Representations 2025, Baku (As a speaker) II. Anadolu Cebir Çalıştayı 2026, İzmir (As a speaker)
REVIEWER FOR JOURNALS	Bulletin of the Iranian Mathematical Society (2), Hacettepe Journal of Mathematics and Statistics (2), Journal of Algebra (1), Algebra Colloquium (1), Acta Mathematica Hungarica (1), Contributions to Algebra and Geometry (1), International Journal of Group Theory (1), Publicationes Mathematicae Debrecen (1).
RELEVANT SKILLS	Programming Language: Python, GAP (Groups, Algorithms, Programming).