**2022 YILI MATEMATİK BÖLÜMÜ FAALİYET RAPORU**

**Yüksek Lisans ve Doktora Programları:**

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| --- | --- | --- | --- | --- | --- |
| **Enstitülerdeki Öğrencilerin Yüksek Lisans (Tezli/ Tezsiz) ve Doktora Programlarına Dağılımı** | | | | | |
| Birimin Adı | Programı | Yüksek Lisans Yapan Sayısı | | Doktora Yapan Sayısı | Toplam |
| Tezli | Tezsiz |
| FEN FAKÜLTESİ | Biyoloji |  |  |  |  |
| Fizik |  |  |  |  |
| Kimya |  |  |  |  |
| Matematik | 33 | - | 4 | 37 |
| **Toplam** |  |  |  |  |  |

**Performans Bilgileri**

**Faaliyet Bilgileri : Sosyal ve Kültürel Faaliyetler detaylı olarak yazılacak**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2022 YILI KÜLTÜREL VE SOSYAL FAALİYETLER | | | | | | | | | | | | | |
| BÖLÜM | Sempozyum ve Kongre | Konfe. | Panel | Seminer | Çalıştay | Açık  Oturum | Söyleşi | Editörlük | Turnuva | Tkn.Gezi | Eğitim Semineri | Kurs Sayısı | TV-Basın Bildiri |
| Matematik |  |  |  | 5 |  |  |  |  |  |  |  |  |  |

**Yayınlarla İlgili Faaliyet Bilgileri**

**İndekslere Giren Hakemli Dergilerde Yapılan Yayınlar: Yayınlar ile ilgili bilgiler detaylı olarak yazılacak**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2022 YILINDA YAYIMLANMIŞ AKADEMİK ÇALIŞMALAR | | | | | | | | |
| BÖLÜM | Uluslar arası Makale | Ulusal Makale | Uluslar arası Bildiri | Ulusal Bildiri | Kitap | Kitap  Bölümü | Ansiklopedi Maddeleri | SCI’de Taranan Dergilerde Yayın Sayısı | Diğer |
| Matematik | **21** | **-** | **17** | **-** | **-** | **-** | **-** | **13** | **-** |

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| --- | --- | --- |
| **Sıra No** | **2022 yılında basılmış yayınlara ait bilgiler (Künye)** | **Quartile Çeyreklik Değeri** |
| 1 | A. HAS, B. YILMAZ, A. AKKURT & H. YILDIRIM, Conformable Special Curves in Euclidean 3-Space, Filomat, 2022, 2406-0933, 36, 14, 4687-4698. | Q2 |
| 2 | B. YILMAZ, İ. GÖK & Y. YAYLI, Differential Equations of Rectifying Curves and Focal Curves in E^n, Journal of Mathematical Sciences and Modelling, 2022, 2636-8692, 5, 1, 8-15. |  |
| 3 | A. HAS & B. YILMAZ, Effect of fractional analysis on magnetic curves, Revista Mexicana de Física, 2022, 0035-001X, 68, 4, 1-15. | Q3 |
| 4 | Ç. RAMİS, B. YILMAZ & Y. YAYLI, New Associated Curves k-Principle Direction Curves and Nk-Slant Helix, Hagia Sophia Journal of Geometry, 2022, 2687-4261, 4, 2, 19-27. |  |
| 5 | B. YILMAZ & A. HAS, Obtaining fractional electromagnetic curves in optical fiber using fractional alternative moving frame, Optik, 2022, 0030-4026, 260, 169067. | Q2 |
| 6 | A. HAS & B. YILMAZ, On Quaternionic Bertrand Curves in Euclidean 3-Space, Turkish Journal of Mathematics and Computer Science, 2022, 2148-1830, 14, 2, 355-365. |  |
| 7 | B. YILMAZ & Y. YAYLI, Ruled Surfaces with the Base Rectifying Curves in Euclidean 3-Space, International Journal of Maps in Mathematics, 2022, 2636-7467, 5, 1, 21-28. |  |
| 8 | A. HAS & B. YILMAZ, Special Fractional Curve Pairs with Fractional Calculus, International Electronic Journal of Geometry, 2022, 1307-5624, 15, 1, 132-144. |  |
| 9 | AKDEMİR, A. O., ERSOY, M. T., FURKAN, H., & RAGUSA, M. A., Some functional sections in topological sequence spaces. Journal of Function Spaces, 2022. | Q2 |
| 10 | TUǦRUL, FERİDE; ÇITTI, MEHMET. An Innovative Approach to the Intuitionistic Fuzzy PROMETHEE Method. New Trends in Mathematical Sciences, 2022, 10.4: 63-79. |  |
| 11 | TUĞRUL, FERİDE; CITIL, MEHMET. Application of Mathematical Modeling in Multi Criteria Decision Making Process: Intuitionistic Fuzzy PROMETHEE. Journal of Mathematical Sciences and Modelling, 2022, 5.2: 48-56. |  |
| 12 | Bahadır, O., Türkmençalıkoğlu, H., & Bonyah, E. (2022). Evaluation of The Significance Grades of The Problems Experienced by Mathematics Teachers in Distance Education in The Covid-19 Pandemic by The Entropy Method. Indonesian Journal of Science and Mathematics Education, 5(3), 250-260. |  |
| 13 | Pandey, S., Singh, A., & Bahadır, O. (2022). Certain results of Ricci soliton on 3-dimensional Lorentzian para $\alpha $-Sasakian manifolds. International Journal of Maps in Mathematics, 5(2), 139-153. |  |
| 14 | Pandey, S., Singh, A., & Bahadır, O. (2022). Some geometric properties of η-Ricci solitons on three-dimensional quasi-para-Sasakian manifolds. Balkan Journal of Geometry and Its Applications, 27(2), 89-102. |  |
| 15 | Bahadır, O., Siddiqui, A. N., Gülbahar, M., & Alkhaldi, A. H. (2022). Main Curvatures Identities on Lightlike Hypersurfaces of Statistical Manifolds and Their Characterizations. Mathematics, 10(13), 2290. | Q1 |
| 16 | BAHADIR, O. (2022). A NEW TYPE LORENTZIAN ALMOST PARA CONTACT MANIFOLD. Journal of Universal Mathematics, 5(2), 117-121. |  |
| 17 | Lone, M. S., Bahadir, O., Park, C., & Hwang, I. (2022). Basic inequalities for statistical submanifolds in Golden-like statistical manifolds. Open Mathematics, 20(1), 153-166. | Q2 |
| 18 | A. HAS, B. YILMAZ, A. AKKURT & H. YILDIRIM, Conformable Special Curves in Euclidean 3-Space, Filomat, 2022, 2406-0933, 36, 14, 4687-4698. | Q2 |
| 19 | A. HAS & B. YILMAZ, Effect of fractional analysis on magnetic curves, Revista Mexicana de Física, 2022, 0035-001X, 68, 4, 1-15. | Q3 |
| 20 | B. YILMAZ & A. HAS, Obtaining fractional electromagnetic curves in optical fiber using fractional alternative moving frame, Optik, 2022, 0030-4026, 260, 169067. | Q2 |
| 21 | A. HAS & B. YILMAZ, On Quaternionic Bertrand Curves in Euclidean 3-Space, Turkish Journal of Mathematics and Computer Science, 2022, 2148-1830, 14, 2, 355-365. |  |
| 22 | A. HAS & B. YILMAZ, Special Fractional Curve Pairs with Fractional Calculus, International Electronic Journal of Geometry, 2022, 1307-5624, 15, 1, 132-144. |  |
| 23 | YILMAZ, B., & Hekimoglu, A. A. OPTION PRICING IN EMERGING MARKETS USING PURE JUMP PROCESSES: EXPLICIT CALIBRATION OF BIST30 EUROPEAN OPTION. Journal of Business Economics and Finance, 11(4), 161-175. |  |
| 24 | Golbasi, U., Yilmaz, B., & Selcuk-Kestel, A. S. (2022). Optimal capacity allocation in accordance with renewable energy sources: the US electricity market. International Journal of Ambient Energy, 1-16. |  |
| 26 | Yilmaz, B., & Korn, R. (2022). Synthetic demand data generation for individual electricity consumers: Generative Adversarial Networks (GANs). Energy and AI, 9, 100161. |  |
| 27 | Yilmaz, B., Korn, R., & Selcuk-Kestel, A. S. (2022). The Impact of Large Investors on the Portfolio Optimization of Single-Family Houses in Housing Markets. Computational Economics, 1-19. |  |
| 28 | Yilmaz, B., Hekimoglu, A. A., & Selcuk-Kestel, A. S. (2022). Default and prepayment options pricing and default probability valuation under VG model. Journal of Computational and Applied Mathematics, 399, 113724. | Q1 |
| 29 | Evkaya, O., Yilmaz, B., & Yüksel Haliloğlu, E. (2023). Sectoral electricity consumption modeling with D-vine quantile regression: The US electricity market case. Energy Sources, Part B: Economics, Planning, and Policy, 18(1), 2160523. | Q1 |
| 30 | HAS, B. YILMAZ, A. AKKURT & H. YILDIRIM, Conformable Special Curves in Euclidean 3-Space, Filomat, 2022, 0354-5180, 36, 14, 4687-4698. | Q2 |
| 31 | K. YILDIRIM & H. YILDIRIM, Grüss Type Integral Inequalities For Generalized $\eta -$ Conformable Fractional Integrals, Turkish Journal of Mathematics and Computer Science, Association of Mathematicians, 2022, 2148-1830, 14, 1, 201- 211 |  |
| 32 | AKKURT, M. Z. SARIKAYA, H. BUDAK & H. YILDIRIM, On Feng Qi-type integral inequalities for local fractional integrals, New Trends in Mathematical Sciences, 2022, 2147-5520, 10, 3, 36-43. |  |
| 33 | BUDAK, S. K. YILDIRIM, M. Z. SARIKAYA & H. YILDIRIM, Some parameterized Simpson-, midpoint- and trapezoid-type inequalities for generalized fractional integrals, Journal of Inequalities and Applications, 2022, 1029-242X, 2022, 40, 1- 23. | Q1 |
| 34 | E. YILDIRIM, M. Z. SARIKAYA & H. YILDIRIM, The Generalized HermiteHadamard-Fejer Type Inequalities for Generalized Fractional Integral Operators, Konuralp Journal of Mathematics, 2022, 2147-625X, 10, 1, 79-86. |  |