

AKADEMİK ÖZGEÇMİŞ

1. Adı Soyadı: David Ikechukwu Amilo

2. Unvanı: Dr.

3. Öğrenim Durumu:

Derece	Bölüm/Program	Üniversite	Yıl
Lisans	Department of Mathematics	Ebonyi State University Abakaliki, Nigeria.	2014
Y. Lisans	Department of Mathematics	Near East University Cyprus.	2020
Doktora	Department of Mathematics	Near East University Cyprus.	2023

4. Yüksek Lisans / Doktora Tezi

4.1. Yüksek Lisans Tez Başlığı ve Tez Danışman(lar)ı:

A FRACTIONAL-ORDER TWO-STRAIN EPIDEMIC MODEL WITH TWO VACCINATIONS.

Assoc. Prof. Dr. Bilgen kaymakamzade

4.2. Doktora Tezi/Tıpta Uzmanlık Tezi Başlığı ve Danışman(lar)ı:

A FRACTIONAL-ORDER ALCOHOLIC CARDIOMYOPATHY EPIDEMIC MODEL WITH NETWORK TIME SERIES

Assoc. Prof. Dr. Bilgen kaymakamzade

5. Akademik Unvanlar:

Yardımcı doçentlik tarihi:

Doçentlik tarihi:

Profesörlük tarihi:

6. Yönetilen Yüksek Lisans ve Doktora Tezleri:

6.1. Yüksek lisans tezleri

6.2. Doktora tezleri

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI,SSCI, AHCI, ESCI, Scopus)

- David Amilo, Bilgen Kaymakamzade, Evren Hincal. A fractional-order mathematical model for lung cancer incorporating integrated therapeutic approaches. *Sci Rep* 13, 12426 (2023). doi.org/10.1038/s41598-023-38814-2
- Amilo, D., Sadri, K., Kaymakamzade, B., & Hincal, E. (2023). A mathematical model with fractional-order dynamics for the combined treatment of metastatic colorectal cancer. *Communications in Nonlinear Science and Numerical Simulation*, 107756. <https://doi.org/10.1016/j.cnsns.2023.107756>
- David Amilo, Bilgen Kaymakamzade, Evren Hincal, (2023). A Fractional-Order Modeling and Sensitivity Analysis in the Investigation of Colorectal Cancer. <http://dx.doi.org/10.18576/pfda/100309> *Progress in Fractional Differentiation and Applications*.
- David Amilo, Bilgen Kaymakamzade, Evren Hincal, Kamyar Hosseini, (2023) Modeling Gene Expression Via Caputo-Type Fractional-Order Calculus. (REF: PFDA-23-31) *Progress in Fractional Differentiation and Applications*. <http://dx.doi.org/10.18576/pfda/100311>
- David Amilo, Bilgen Kaymakamzade, Evren Hincal, (2022). An Integrated Therapy Approach for Optimizing Fractional Differential Equation Control Across the Five Stages of Bladder Cancer. *Progress in Fractional Differentiation and Applications*.
- David Amilo, Bilgen Kaymakamzade, Evren Hincal, (2022). A Fractional Order Alcoholic Cardiomyopathy Epidemic Model with Network Time Series, *Computational and Mathematical Methods in Medicine*, Volume 2022. Pages 15 <doi.org/10.1155/2022/7716514>
- David Amilo, Bilgen Kaymakamzade (2022). A fractional-order super-spreader Covid-19 model using Caputo derivative. *Progress in Fractional Differentiation and Applications* <doi.org/10.19677/pfda/output>
- Sadri, K., Amilo, D., Hosseini, K., & Hincal, E., Seadawy, A. *AIMS Mathematics*. (2024). A tau-Gegenbauer spectral approach for systems of fractional integro-differential equations with the error analysis

7.2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler

- Amilo, D., Kaymakamzade, B., & Hınçal, E. (2023). A study on lung cancer using nabla discrete fractional-order model. *Mathematica Moravica*, 27(2), 55-76. DOI: 10.5937/MatMor2302055A
- GOKBULUT, N., AMILO, D., & KAYMAKAMZADE, B. (2021). Fractional SVIR model for COVID-19 under Caputo derivative. *Journal of Biometry Studies*. *Journal of Biometry Studies*, 1(2), 58-64. doi.org/10.29329/JofBS.2021.349.04
- Ifeoluwa V., Abah M., Morayo1, A., Ekele, J., Amilo, D., et. Al Effect of Lactuca sativa supplemented diet on Poloxamer 407 induced hyperlipidemic albino rats (*Rattus norvegicus*) *A S I A N J N A T P R O D B I O C H E M* Volume 21, Number 2, December 2023 E-ISSN: 2580-2550 Pages: 67-78 DOI: 10.13057/biofar/f210203

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

- Kaymakamzade, B., Hincal, E., & Amilo, D. (2021, February). A fractional-order two-strain epidemic model with two vaccinations. In *AIP Conference Proceedings* (Vol. 2325, No. 1, p. 020048). AIP Publishing LLC. doi.org/10.1063/5.0040309

7.4. Yazılan ulusal/uluslararası kitaplar veya kitaplarda bölümler

7.5. Ulusal hakemli dergilerde yayınlanan makaleler

8. Sanat ve Tasarım Etkinlikleri

9. Projeler

10. İdari Görevler

11. Bilimsel ve Mesleki Kuruluşlara Üyelikler

12. Ödüller

- Young Scientist Award -Award Winner 2023. Computational Modeling and Simulation of FRPs at the International Research Awards on Fiber Reinforced Polymer.
- Young Researcher Award, Near East University, 2022.

- Bronze medal, National Mathematics Competition for University Students (NAMCUS) Abuja 2015.

13. Son İki Yılda Verilen Lisans ve Lisansüstü Dersler

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2021 - 2022	FALL/SPRING	Mathematics for foundation I	3		70
		Mathematics for foundation II	3		60
	FALL/SPRING	Mathematic for Business and Economics I	3		70
	FALL/SPRING	Probability and Statistics for Engineering Students	3		100
2022 - 2023					
	FALL/SPRING	Mathematics for Business and Economics I	3		120
	FALL	Mathematics for Business and Economics II	3		78
	FALL	Statistics I	3		80
	FALL/SPRING	Probability and Statistics for Engineering Students	3		100