

# METİN BAYRAK

## ASST. PROF.

Email : mbayrak@kocaeli.edu.tr

Address : mbayrak@kocaeli.edu.tr

### Learning Knowledge

|                              |                                                                                                            |
|------------------------------|------------------------------------------------------------------------------------------------------------|
| Doctorate<br>1994 - 1998     | Kocaeli University, Fen Edebiyat Fakültesi, Matematik, Turkey                                              |
| Postgraduate<br>1988 - 1990  | Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, Turkey                 |
| Undergraduate<br>1981 - 1985 | Dicle University, Ziya Gökalp Faculty Of Education, Department Of Mathematics And Science Teaching, Turkey |

### Dissertations

Doctorate, Eliptik tip sınır değer problemleri için sonlu elemanlar ve sonlu farklar yöntemlerinin karşılıklı analizi, Kocaeli University, 1998

### Academic Titles / Tasks

|                                         |                                                                                                |
|-----------------------------------------|------------------------------------------------------------------------------------------------|
| Assistant Professor<br>2018 - Continues | Kocaeli University, Fen-Edebiyat Fakültesi, Matematik Bölümü                                   |
| Assistant Professor<br>1998 - 2018      | Kocaeli University, Fen-Edebiyat Fakültesi, Matematik Bölümü                                   |
| Lecturer<br>1994 - 1998                 | Kocaeli University, Fen-Edebiyat Fakültesi, Matematik Bölümü                                   |
| Research Assistant<br>1988 - 1993       | Yildiz Technical University, Faculty Of Electrical & Electronics, Elektrik Mühendisliği Bölümü |

### Articles Published in Other Journals

- Exact solutions of space-time fractional reaction-diffusion equations by  $(G'/G)$ -expansion method**  
BAYRAK M.  
ISAR International Journal of Mathematics and Computing Techniques, vol.2, no.2, pp.13-19, 2018 (Peer-Reviewed Journal)
- Exact solutions of some transonic gas flows equations**  
Bayrak M., Bayrak M. A.

- European International Journal of Science and Technology, vol.7, no.1, pp.15-20, 2018 (Peer-Reviewed Journal)
3. **Analytical solution of time-fractional nonlinear Benjamin-Bona-Mahony equation by residual power series method,**  
Bayrak M. A., Bayrak M.  
International Journal of Applied Mathematics, vol.31, no.2, pp.251-262, 2018 (Scopus)
  4. **Variational Approach To non-Linear Elliptic Problem**  
BAYRAK M.  
Journal Of Kocaeli Üniverstiy Pure End Applied Methematics, vol.1, no.3, pp.23-27, 1996 (Peer-Reviewed Journal)

## Books & Book Chapters

1. **IN THE TEACHING OF DATA ANALYSIS THE ERRORS IN VARIANCE AND STANDARD DEVIATION CALCULATIONS(VERGİ ANALİZİĞİ ÖĞRETİMİNDE VARYANS ve STANDART SAPMA HESAPLAMALARINDA YAPILAN HATALAR)**  
BAYRAK M.  
in: Modern Dönemde Edebiyat, Eğitim, Sanat ve İktisat, Prof. Dr. Osman KÖSE, Doç. Dr. Emel İSLAMOĞLU, Editor, Berikan Yayınevi, Ankara, pp.323-331, 2018

## Refereed Congress / Symposium Publications in Proceedings

1. **BAYRAK A new iterative algorithm for the time-fractional Fisher equation including small delay**  
DEMİR A., BAYRAK M. A., BAYRAK M.  
ICOMAA2018, International Conference on Mathematical Advances and Applications, May 11-13, 2018, 11 - 13 May 2018
2. **A novel iterative algorithm on the time-fractional Fisher equation with small delay**  
BAYRAK M. A., DEMİR A., BAYRAK M.  
International Conference on Mathematical Advances and Applications, 11 - 13 May 2018
3. **A new iterative algorithm on the time-fractional Fisher equation including small delay**  
DEMİR A., BAYRAK M. A., BAYRAK M.  
International Conference on Mathematical Advances and Applications, 11 - 13 May 2018
4. **A new iterative algorithm for the time-fractional Fisher equation including small delay**  
DEMİR A., BAYRAK M. A., BAYRAK M.  
International Conference on Mathematical Advances and Applications (ICOMAA2018), İstanbul, Turkey, 11 - 13 May 2018
5. **In the teaching of data analysis the error in variance and standart deviation calculations**  
BAYRAK M.  
INTERNATIONAL SYMPOSIUM ON MULTIDISCIPLINARY ACADEMIC STUDIES (ISMAS) (02-04 February 2018, Kemer, Turkey), Antalya, Turkey, 2 - 04 February 2018, pp.323-331
6. **Approximate solution of inverse parabolic problem**  
BAYRAK M., BAYRAK M. A.  
Numerical Computations: Theory and Algorithms, Italy, 17 - 23 June 2013
7. **MESLEK YÜKSEKOKULU İNTERNET SAYFALARININ KAMU KURUMLARI STANDARTLARINA GÖRE DEĞERLENDİRİLMESİ**  
DİKMEN C. M., BAYRAK M.  
Adnan Menderes Üniversitesi 2.Uluslar arası 6. ulusal Meslek Yüksekokulları Sempozyumu, (2011), Aydın, Turkey, 25 May - 27 July 2011
8. **RELIABILITY-BASED DESIGN OF FAULT TREE TECHNIQUE**  
BAYRAK M., SERTÇELİK İ., KOCA K.  
Adnan Menderes Üniversitesi 2.Uluslar arası 6. ulusal Meslek Yüksekokulları Sempozyumu, (2011), Aydın, Turkey,

25 - 27 May 2011

9. **MAKİNA RESİM VE KONSTRÜKSİYONU EĞİTİMİ VE ÇALIŞMA ALANLARI**

KOCA K., SERTÇELİK İ., BAYRAK M.

2. Uluslararası 6.Ulusal Meslek Yüksekokulları Sempozyumu (UMYOS'11), Aydın, Turkey, 25 - 27 May 2011

10. **Effect Of Students Mathematic Knowledge On Their Successs In Professional Courses In Vocational Schools: Example Of KOÜ Köseköy Vocational School.**

BAYRAK M., DİKMEN C. M., KOCA K.

1st. International 5th National Vocational Schools Symposium 2009 Konya-Turkey, 27 - 29 May 2009

11. **Tire Dimensions And Tread Pattern Properties**

KOCA K., SERTÇELİK İ., BAYRAK M.

1st International 5th National Vacitional Schools Symposium MAY 27-29,2009 Konya - Turkey, Konya, Turkey, 27 - 29 May 2009

## Academic and Administrative Experience

---

|             |                                                    |                                                  |
|-------------|----------------------------------------------------|--------------------------------------------------|
| 1999 - 2012 | <b>Assistant Director of<br/>Vocational School</b> | Kocaeli Üniversitesi, Köseköy Meslek Yüksekokulu |
|-------------|----------------------------------------------------|--------------------------------------------------|

---

## Courses

Seminer II, Undergraduate, 2019 - 2020

Matematik II, Undergraduate, 2019 - 2020

Seminer II, Undergraduate, 2019 - 2020

Olasılık Ve İstatistik, Undergraduate, 2019 - 2020

Olasılık Ve İstatistik, Undergraduate, 2019 - 2020

İstatistik, Undergraduate, 2019 - 2020

Olasılık, Undergraduate, 2019 - 2020

Matematik I, Undergraduate, 2019 - 2020

Seminer I, Undergraduate, 2019 - 2020

Seminer I, Undergraduate, 2019 - 2020

Diferansiyel Denklemler/2A, Undergraduate, 2019 - 2020

Diferansiyel Denklemler/2B, Undergraduate, 2019 - 2020

Olasılık Ve İstatistik, Undergraduate, 2019 - 2020

## Metrics

Publication: 16

## Research Areas

Natural Sciences