

# Özgeçmiş ve Yayınlar

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## 2- Eğitim

- **Ph.D:** Bilkent Üniversitesi Matematik Bölümü, 1999
- **M.S:** Bilkent Üniversitesi Matematik Bölümü, 1994
- **B.S:** ODTÜ Fizik Bölümü, 1992

## 3- Araştırma Alanları

- Nümerik Analiz
- Algoritmalar

## 4- Yayınlar

1. **Title:** Partially coherent Airy beam and its propagation in turbulent media  
**Author(s):** Eyyuboglu, Halil T.; Sermutlu, Emre  
**Source:** APPLIED PHYSICS B-LASERS AND OPTICS  
**Volume:** 110 **Issue:** 4 **Pages:** 451-457  
**Published:** MAR 2013
2. **Title:** Positive almost periodic solutions for a delay logarithmic population model  
**Author(s):** Alzabut, J. O.; Stamov, G. T.; Sermutlu, E.  
**Source:** MATHEMATICAL AND COMPUTER MODELLING  
**Volume:** 53 **Issue:** 1-2 **Pages:** 161-167  
**Published:** JAN 2011
3. **Title:** Calculation of average intensity via semi-analytic method  
**Author(s):** Eyyuboglu, H. T.; Sermutlu, E.  
**Source:** APPLIED PHYSICS B-LASERS AND OPTICS

**Volume:** 98    **Issue:** 4    **Special Issue:** SI    **Pages:** 865-870  
**Published:** MAR 2010

4. **Title:** On almost periodic solutions for an impulsive delay logarithmic population model  
**Author(s):** Alzabut, J. O.; Stamov, G. Tr.; Sermutlu, E.  
**Source:** MATHEMATICAL AND COMPUTER MODELLING  
**Volume:** 51    **Issue:** 5-6    **Pages:** 625-631  
**Published:** MAR 2010
  
5. **Title:** Scintillation index of modified Bessel-Gaussian beams propagating in turbulent media  
**Author(s):** Eyyuboglu, Halil T.; Baykal, Yahya; Sermutlu, Emre; et al.  
**Source:** JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION  
**Volume:** 26    **Issue:** 2    **Pages:** 387-394  
**Published:** FEB 2009
  
6. **Title:** Intensity fluctuations in J-Bessel-Gaussian beams of all orders propagating in turbulent atmosphere  
**Author(s):** Eyyuboglu, H. T.; Sermutlu, E.; Baykal, Y.; et al.  
**Source:** APPLIED PHYSICS B-LASERS AND OPTICS  
**Volume:** 93    **Issue:** 2-3    **Special Issue:** SI    **Pages:** 605-611  
**Published:** NOV 2008
  
7. **Title:** Scintillation advantages of lowest order Bessel-Gaussian beams  
**Author(s):** Eyyuboglu, H. T.; Baykal, Y.; Sermutlu, E.; et al.  
**Source:** APPLIED PHYSICS B-LASERS AND OPTICS  
**Volume:** 92    **Issue:** 2    **Pages:** 229-235  
**Published:** AUG 2008
  
8. **Title:** A new quadrature routine for improper and oscillatory integrals  
**Author(s):** Sermutlu, E.; Eyyuboglu, H. T.  
**Source:** APPLIED MATHEMATICS AND COMPUTATION  
**Volume:** 189    **Issue:** 1    **Pages:** 452-461  
**Published:** JUN 1 2007
  
9. **Title:** Convergence of general beams into Gaussian-intensity profiles after propagation in turbulent atmosphere

**Author(s):** Eyyuboglu, Halil T.; Baykal, Yahya; Sermutlu, Emre  
**Source:** OPTICS COMMUNICATIONS  
**Volume:** 265 **Issue:** 2 **Pages:** 399-405  
**Published:** SEP 15 2006

10. **Title:** Comparison of Newton-Cotes and Gaussian methods of quadrature  
**Author(s):** Sermutlu, E  
**Source:** APPLIED MATHEMATICS AND COMPUTATION  
**Volume:** 171 **Issue:** 2 **Pages:** 1048-1057  
**Published:** DEC 15 2005

11. **Title:** The first law of black-hole thermodynamics for black holes in string theory  
**Author(s):** Sermutlu, E  
**Source:** CLASSICAL AND QUANTUM GRAVITY  
**Volume:** 15 **Issue:** 6 **Pages:** 1449-1461  
**Published:** JUN 1998

12. **Title:** Static Spherically Symmetrical Solutions to Einstein-Maxwell Dilaton Field Equations in D-Dimensions  
**Author(s):** Gurses, M; Sermutlu, E  
**Source:** CLASSICAL AND QUANTUM GRAVITY  
**Volume:** 12 **Issue:** 11 **Pages:** 2799-2816 1  
**Published:** NOV 1995

13. **Title:** Colliding Gravitational Plane Waves in Dilaton Gravity  
**Author(s):** Gurses, M; Sermutlu, E  
**Source:** PHYSICAL REVIEW D  
**Volume:** 52 **Issue:** 2 **Pages:** 809-815  
**Published:** JUL 15 1995

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