

Asst. Prof. NECLA KENAR LIM

Personal Information

Mobile Phone: [+90 539 628 9290](tel:+905396289290)

Office Phone: [+90 262 303 2066](tel:+902623032066)

Fax Phone: [+90 262 303 2003](tel:+902623032003)

Email: necla@kocaeli.edu.tr

Other Email: necla.kenar@gmail.com

Web: <https://avesis.kocaeli.edu.tr/necla>

Address: Kocaeli Üniversitesi Fen-Edebiyat Fakültesi (A Blok) Fizik Bölümü 41380 Umuttepe Yerleşkesi İzmit-Kocaeli

Foreign Languages

English, B2 Upper Intermediate

German, B2 Upper Intermediate

Research Areas

Physics

Academic Titles / Tasks

Assistant Professor, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 2018 - Continues

Assistant Professor, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 2006 - 2018

Research Assistant, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 1998 - 2006

Advising Theses

Kenar Lim N., Porto şarap lekesi (PWS) doğum lekelerinin lazerli fotodinamik tedavisinin optimizasyon çalışmaları, Post Graduate, E.DAMLA(Student), 2019

Kenar Lim N., Fotodinamik teranostik uygulamalar için insan serviks dokularındaki ışık dağılımının modellenmesi, Post Graduate, N.EROL(Student), 2018

Kenar Lim N., İnsan jinekolojik dokularının optik karakterizasyonu, Post Graduate, D.ERDAŞ(Student), 2012

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Development of a new multi-mode NIR laser system for photodynamic therapy**
Kamanlı A. F. , Yıldız M. Z. , Arslan H., ÇETİNEL G., KENAR LIM N., Lim H. S.
OPTICS AND LASER TECHNOLOGY, vol.128, 2020 (Journal Indexed in SCI)
- II. **Optimization of Nd:YAG Laser Welding of Magnesium**
DEMİR A., AKMAN E., CANEL T., Ertuerk S., KAYA A. A. , Kenar N., SINMAZÇELİK T., URHAN O.
JOURNAL OF LASER MICRO NANOENGINEERING, vol.2, no.1, pp.108-113, 2007 (Journal Indexed in SCI)
- III. **Investigation of effects of double pulse configuration on efficiency of Ni-like and Co-like X-ray resonance lines emitted from laser produced silver plasmas**

Canel T., DEMİR A., Kenar N.

CZECHOSLOVAK JOURNAL OF PHYSICS, vol.56, 2006 (Journal Indexed in SCI)

IV. **Simulation of Ni-like and Co-like X-rays emitted from laser produced tin plasmas**

ATALAY B., AYDIN R., Demir A., KENAR N., Kacar E.

CZECHOSLOVAK JOURNAL OF PHYSICS, vol.56, 2006 (Journal Indexed in SCI)

V. **Comparison of simulated X-ray conversion efficiency of laser produced iron plasma with experimental results**

Demir A., KENAR LIM N., Tallents G.

APPLIED PHYSICS B-LASERS AND OPTICS, vol.78, pp.945-948, 2004 (Journal Indexed in SCI)

VI. **Modelling of Ne-like Copper X-ray laser driven by 1.2 ps short pulse and 280 ps background pulse configuration**

Demir A., Kenar N.

CZECHOSLOVAK JOURNAL OF PHYSICS, vol.54, pp.344-348, 2004 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **Estimation of Photon Distribution within Biological Tissue Using Monte Carlo Simulation**

LIM H. S. , KENAR N.

Biomedical Journal of Scientific Technical Research (BJSTR), vol.1, no.4, pp.1-3, 2017 (Refereed Journals of Other Institutions)

II. **Mouse Tumor Necrosis Using Photodynamic Therapy**

KENAR N., LIM H. S.

Journal of Tumor Medicine Prevention (JTMP), vol.1, no.1, pp.1-4, 2017 (Refereed Journals of Other Institutions)

III. **Gafchromic RTQA Film Dosimetry For Laser Beam With Photodynamic Therapy**

LEE B. K. , LIM H. S. , KENAR N.

Journal of Biomedical Engineering Research, vol.34, no.2, pp.73-79, 2013 (Refereed Journals of Other Institutions)

IV. **Conversion efficiency calculations for EUV radiation emitted from laser-produced Tin plasmas**

ATALAY B., KENAR N., DEMİR A.

TURKISH JOURNAL OF PHYSICS, vol.33, no.6, pp.363-368, 2009 (Refereed Journals of Other Institutions)

V. **Progresses on the Theoretical and Experimental Studies in Laser Technologies Research and Application Center In Kocaeli**

AKMAN E., ATALAY B., CANDAN L., CANEL T., DEMİR A., DEMİR P., ERTÜRK S., GENÇ ÖZTOPRAK B., KAÇAR E., KENAR N., et al.

American Institute of Physics, vol.899, pp.331-332, 2007 (Refereed Journals of Other Institutions)

Books & Book Chapters

I. **In Vivo Study of Laser Irradiation Techniques for the Treatment and Palliation of Lung Cancer Using Photodynamic Therapy**

KENAR N., LIM H. S.

in: Palliative Care for Chronic Cancer Patients in the Community, Silbermann, Michael, Editor, Springer International Publishing, pp.551-560, 2020

Refereed Congress / Symposium Publications in Proceedings

I. **Tissue Optics Studies for Photodynamic Therapy Applications of Human Port Wine Stains**

SARIŞEN E. D. , KENAR N.

2. International Conference on Life and Engineering Sciences (ICOLES 2019), İstanbul, Turkey, 27 - 29 June 2019

- II. **Photodynamic Complex System For Multiple Diagnostic And Therapeutic Equipment**
LIM H. S. , KENAR N.
Korean Scientists and Engineers Association in France Spring 2019 Meeting, Lyon, France, 20 - 22 April 2019
- III. **Optical Characterization Of Human Myometrium Tissues**
Erdaş D., Bölükbaşı Ateş G., KENAR N.
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi (TFD33), Muğla, Turkey, 6 - 10 September 2017
- IV. **Optical Characterization of Human Tissues for Photodynamic Theranostic Applications**
EROL N., KENAR N., LIM H. S.
Turkish Physics Association 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017
- V. **Determination of Optimal Trapping Parameters of Red Blood Cells**
KARADEMİRCİ Y., ERDAS D., BÜŞRANUR G., KENAR N., KAÇAR E.
Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.161
- VI. **Mechanism of Novel Photodynamic Therapy and Dosimetry Calculations for Metastatic Cancer Treatments**
KENAR N., LEE B. K. , LUN M., LIM H. S. , CHEN W.
16th International Photodynamic Association World Congress, IPA2017, Coimbra, Portugal, 8 - 13 June 2017
- VII. **Laser Irradiation Techniques Affect Thermal Damage in Photodynamic Therapy: A Comparative Animal Study**
KENAR N., LIM H. S.
International Conference on Laser Applications in Life Sciences LALS 2014, Neu-Ulm, Germany, 29 June - 02 July 2014
- VIII. **Development of multiwavelength excitation light source for autofluorescence and photodynamic diagnosis systems**
KENAR LIM N., Lim H. S. , Mirzaaghasi A.
Conference on Advanced Biomedical and Clinical Diagnostic and Surgical Guidance Systems XII, San-Francisco, Costa Rica, 2 - 04 February 2014, vol.8935

Supported Projects

KENAR LIM N., TUBITAK Project, Çok Işınlama Modlu Fotodinamik Terapi Lazer Sisteminin Geliştirilmesi, 2017 - Continues

KENAR LIM N., TUBITAK Project, İnsan Jinekolojik Dokularının Optik Özelliklerinin in vitro Ölçümü, 2011 - 2012

Citations

Total Citations (WOS):15

h-index (WOS):2