

## Lect. ÇAĞLAR KAYA

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAL-7927-2021

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Yoksis Researcher ID: 294523

### Research Areas

Physics, Engineering and Technology

### Academic Titles / Tasks

Lecturer, Ankara University, Hızlandırıcı Teknolojileri Enstitüsü, Hızlandırıcı Teknolojileri Anabilim Dalı, 2018 - Continues

### Academic and Administrative Experience

Assistant Director of the Institute, Ankara University, Hızlandırıcı Teknolojileri Enstitüsü, Hızlandırıcı Teknolojileri Anabilim Dalı, 2021 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Transparent dielectric/metal/dielectric multilayer microstrip patch antennas for X and Ku-band**  
KAYA Ç., AKAOĞLU B., Er U., Bayram Y.  
Optics Communications, vol.564, 2024 (SCI-Expanded)
- II. **Systematic study of LED stimulated recovery of radiation damage in optical materials**  
Sahbaz K. K., Bilki B., Dapo H., Karslioglu I. G., Kaya Ç., Kaya M., Tosun M.  
JOURNAL OF INSTRUMENTATION, vol.17, no.5, 2022 (SCI-Expanded)
- III. **High power RF operations studies at TARLA facility**  
Karsli O., AKSOY A., KAYA Ç., Koc B., Doğan M., Elcim O. F., Bozdogan M.  
CANADIAN JOURNAL OF PHYSICS, vol.97, no.11, pp.1171-1176, 2019 (SCI-Expanded)
- IV. **Current status of Turkish accelerator and radiation laboratory in Ankara: the TARLA facility**  
AKSOY A., Karsli O., AYDIN A., KAYA Ç., KETENOĞLU B., KETENOĞLU D., YAVAŞ Ö.  
CANADIAN JOURNAL OF PHYSICS, vol.96, no.7, pp.837-842, 2018 (SCI-Expanded)
- V. **Phase sensitive monitoring of electron bunch form and arrival time in superconducting linear accelerators**  
Kaya Ç., Schneider C., Al-Shemmary A., Seidel W., Kuntzsch M., Bhattacharyya J., Mittendorff M., Evtushenko P., Winnerl S., Staats G., et al.  
APPLIED PHYSICS LETTERS, vol.100, no.14, 2012 (SCI-Expanded)

## Articles Published in Other Journals

- I. **VACUUM STUDIES ON ELECTRON GUN AND INJECTOR LINE OF TARLA FACILITY**  
Coşkun E., Demirci E. P., YAVAŞ Ö., AKSOY A., KAYA Ç., KAZANCI E., KOÇ İ. B.  
BALKAN PHYSICS LETTERS, vol.24, pp.139-145, 2016 (Peer-Reviewed Journal)
- II. **ELECTRON BEAM DIAGNOSTICS OF INJECTOR LINE IN TARLA FACILITY**  
KAYA Ç., AKSOY A., AYDIN A., KARAKILIÇ V., Karlı Ö., KAZANCI E., KOÇ İ. B., Tural M., YAVAŞ Ö.  
BALKAN PHYSICS LETTERS, vol.24, pp.131-138, 2016 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Systematic Study of LED Stimulated Recovery of Radiation Damage in Optical Materials**  
Sahbaz K., Bilki B., Dapo H., Kaya Ç., Kaya M., Tosun M.  
2021 International Conference on Technology and Instrumentation in Particle Physics, TIPP 2021, Virtual, Online, 23 - 28 May 2021, vol.2374
- II. **Investigation of LED Stimulated Recovery of Radiation Damage in Optical Materials**  
Sahbaz K., Bilki B., Dapo H., Karslioglu G., KAYA Ç., Kaya M., Tosun M.  
2021 IEEE Nuclear Science Symposium and Medical Imaging Conference, NSS/MIC 2021, Virtual, Yokohama, Japan, 16 - 23 October 2021
- III. **Progress of microTCA.4 based LLRF system of Tarla**  
Gumus C., Hierholzer M., Schlarb H., Schmidt C., Elcim O., AKSOY A., AYDIN A., KAYA Ç.  
29th International Linear Accelerator Conference, LINAC 2018, Beijing, China, 16 - 21 September 2018, pp.220-222
- IV. **Current status of free electron laser @ tarla**  
AKSOY A., KAYA Ç., Karsli Ö., KOÇ B., Elçim Ö.  
39th International Free-Electron Laser Conference, FEL 2019, Hamburg, Germany, 26 - 30 August 2019, pp.102-105
- V. **Current Status of TARLA Facility**  
KAYA Ç., KARSLI Ö., AKSOY A., KOÇ İ. B., ELÇİM Ö. F., KAYA M., YILDIZ H., YILDIZ ALAN H., YAVAŞ Ö.  
34th International Physics Congress (TPS 34), BODRUM, Turkey, 5 - 09 September 2018
- VI. **TARLA: THE FIRST FACILITY OF TURKISH ACCELERATOR CENTER (TAC)**  
AKSOY A., AYDIN A., KAYA Ç., YAVAŞ Ö., KETENOĞLU B.  
International Particle Accelerator Conference, IPAC2017, Copenhagen, Denmark, 14 - 19 May 2017, pp.2776-2778
- VII. **CONTROL AND NETWORK SYSTEMS OF TARLA FACILITY**  
AYDIN A., AKSOY A., BAŞARAN A., GÜZOĞLU E., KAYA Ç., POLAT E., YAVAŞ Ö.  
6th Internationally Participated Congress on Particle Accelerators and Applications, Muğla, Turkey, 29 - 30 August 2016
- VIII. **Design, production and tests of button type BPM for tac-tarla IR FEL facility**  
Gundogan M., YAVAŞ Ö., AYDIN A., KASAP E., KAYA Ç.  
5th International Beam Instrumentation Conference, IBIC 2016, Barcelona, Spain, 11 - 15 September 2016, pp.27-30
- IX. **Accelerator based light source projects of Turkey**  
AKSOY A., Karsli Ö., KAYA Ç., YAVAŞ Ö., KETENOĞLU B., Nergiz Z.  
7th International Particle Accelerator Conference, IPAC 2016, Busan, South Korea, 8 - 13 May 2016, pp.2936-2939
- X. **Simulation Studies On Beam Diagnostic For TAC - TARLA Facility**  
AYDIN A., KAYA Ç., AKSOY A., KASAP E.  
9th INTERNATIONAL PHYSICS CONFERENCE OF THE BALKAN PHYSICAL UNION - BPU9, Turkey, 24 - 27 August 2015
- XI. **THE TURKISH ACCELERATOR AND RADIATION LABORATORY IN ANKARA (TARLA) PROJECT**  
AKSOY A., KARSLI Ö., KAYA Ç., YAVAŞ Ö., ÖZKORUCUKLU S., ARIKAN P.

International Free Electron Laser Conference, FEL2014, Basel, Switzerland, 25 - 29 August 2014, pp.585-588

**XII. Beam diagnostics of E-gun test stand at TARLA**

KAYA Ç., AKSOY A., Karsli O., KOÇ B., Kazanci E., Polat C., Karakilic V., KUDAY S., AYDIN A., YILDIZ M., et al.

5th International Particle Accelerator Conference, IPAC 2014, Dresden, Germany, 15 - 20 June 2014, pp.704-706

**XIII. The status of Turkish synchrotron radiation source machine design**

Nergiz Z., Aksakal H., AKSOY A., KAYA Ç., Kurtuluş Öztürk Ö.

5th International Particle Accelerator Conference, IPAC 2014, Dresden, Germany, 15 - 20 June 2014, pp.313-315

**XIV. Final structure & design parameters of TARLA RF system**

Karsli O., Polat C., KAYA Ç., AKSOY A., KOÇ B., YAVAŞ Ö., Dogan M., ÖZKORUCUKLU S.

5th International Particle Accelerator Conference, IPAC 2014, Dresden, Germany, 15 - 20 June 2014, pp.2577-2579

**XV. DESIGN PARAMETERS AND CURRENT STATUS OF THE TARLA PROJECT**

AKSOY A., KARSLI Ö., KAYA Ç., KAZANCI E., YAVAŞ Ö., ÖZKORUCUKLU S., ARIKAN P.

International Particle Accelerator Conference, IPAC2014, Dresden, Germany, 15 - 20 June 2014, pp.2918-2920

**XVI. BEAM DIAGNOSTICS OF E-GUN STAND AT TARLA**

KAYA Ç., AKSOY A., KARSLI Ö., KOÇ İ. B., KAZANCI E., AYDIN A., ÖZKORUCUKLU S.

International Particle Accelerator Conference, IPAC2014, Dresden, Germany, 15 - 20 June 2014, pp.704-706

**XVII. CURRENT STATUS OF TARLA CONTROL SYSTEM**

KAZANCI E., AKSOY A., AYDIN A., KAYA Ç., YAVAŞ Ö., ÖZKORUCUKLU S.

International Particle Accelerator Conference, IPAC2014, Dresden, Germany, 15 - 20 June 2014, pp.3192-3194

**XVIII. Beam Diagnostics E-GUN Test Stand at TARLA**

KAYA Ç., AKSOY A., AYDIN A., Karakılıç V., Karlı Ö., Kazanci E., KOÇ İ. B., KUDAY S., Polat E., Şara İ., et al.

IPAC2014: 5th International Particle Accelerator Conference, Dresden, Germany, 15 - 20 June 2014

## Supported Projects

Ketenoğlu B., Aksoy A., Yavaş Ö., Ketenoğlu D., Kaya Ç., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Electron Accelerator and Radiation Facility (TARLA), 2016 - 2021

## Metrics

Publication: 25

Citation (WoS): 12

Citation (Scopus): 17

H-Index (WoS): 2

H-Index (Scopus): 3