**Call for M.Sc. and B.Sc. Students!**

We are looking for highly motivated students to join our TÜBİTAK 1001-funded research project on semiconductor laser diodes!

This project focuses on the design, epitaxial growth, and characterization of laser diode structures for next-generation optoelectronic applications. Students will gain hands-on experience in MOCVD growth, simulation, and advanced characterization techniques (AFM, HRXRD, PL, Hall, etc.), as well as opportunities for conference presentations and publications.

✅ **Candidate Qualifications**

**For M.Sc. candidates (24 months support):**

• B.Sc. degree in Materials Science & Nanotechnology Engineering, Physics, Electrical & Electronics Engineering, or related fields

• Strong interest in semiconductors, lasers, or photonics

• Good English skills to follow scientific literature and write reports

**For B.Sc. candidates (36 months support):**

• 3rd- or 4th-year undergraduate students in Materials Science, Nanotechnology, Physics, Electrical & Electronics, or related programs

• Motivation to actively participate in laboratory research and teamwork

• Curiosity about semiconductors and laser technologies

**🌟What We Offer**

**State-of-the-Art Research Facilities:** Access to advanced laboratories at the Nanophotonics Application and Research Center (CÜNAM), including MOCVD, AFM, HRXRD, PL, Raman, and other cutting-edge equipment.

**Hands-on Project Experience:** Active involvement in the design, epitaxial growth, and characterization of semiconductor laser diodes.

**Academic Development:** Mentorship in scientific writing, project preparation, and opportunities to present at national/international conferences.

**International Collaboration:** Possibility to engage with global research groups and strengthen academic networks.

**📩 To Apply**

Please send your CV, transcript, and a short motivation letter to:

📧 [cunam@cumhuriyet.edu.tr](mailto:cunam@cumhuriyet.edu.tr)

We warmly invite enthusiastic students to join our team and contribute to advancing next-generation laser diode research!