**Şehnaz Kanlı (Aas)**

Temel Bilimler Bölümü, Mühendislik ve Mimarlık Fakültesi, Altınbaş Üniversitesi, İstanbul, Türkiye

E-mail: [sehnaz.kanli@altinbas.edu.tr](mailto:sehnaz.kanli@altinbas.edu.tr)

Eğitim

2013 – 2019 **Ph.D., Fİzik –** Bilkent Üniversitesi, Ankara, Türkiye

2008 – 2010 **MSc, Fizik** - Zanjan University, Zanjan, Iran

2003 – 2008 **BSc, Fizik** - Azarbaijan Shahid Madani University, Tabriz, Iran

İş Tecrübeleri

11/2020 –09/2021 **Post-doc, University of Cambridge, Cambridge, UK**

09/2013 – 09/2019 **Doktora Adayı, Bilkent Üniversitesi, Ankara, Türkiye**

Yayinlar

**Dergi**

* O. Salihoglu, H. B. Uzlu, O. Yakar, **S. Aas**, O. Balci, N. Kakenov, S. Balci, S. Olcum, S. Süzer and C. Kocabas “Graphene-Based Adaptive Thermal Camouflage”, Nano Lett. 18, 4541-48 (2018).
* **S. Aas**, C. Bulutay “Strain dependence of photoluminescence and circular dichroism in transition metal dichalcogenides: a k.p analysis”, Opt. Express, 26, 28672-81 (2018).
* **S. Aas**, C. Bulutay “Geometric band properties in strained monolayer transition metal dichalcogenides using simple band structures”, J. Appl. Phys. 126, 115701 (2019).
* **S. Aas**, Özgür E. Müstecaplioğlu “Optical bistability in one-dimensional doped photonic crystals with spontaneously generated coherence”, Phys. Rev. A. 88, 053846 (2013).
* M. Sahrai, **S. Aas**,M. Aas and M. Mahmoudi “Hartman effect in one-dimensional photonic crystals with a three-level atomic defect layer”, Eur. Phys. J. B. 83, 337–342 (2011).
* M. Sahrai, **S. Aas** and M. Mahmoudi “Subluminal to Superluminal pulse propagation through one-dimensional photonic crystals with a three-level atomic defect layer”, Eur. Phys. J. B. 78, 51-58 (2010).

**Konferans**

* **S. Aas** and C. Bulutay “k.p study of photoluminescence and circular dichroism in strained transition metal dichalcogenides” presented as poster in 14th Nanoscience and Nanotechnology Conference, Çeşme/Izmir, Turkey, 22-25 September 2018.
* **S. Aas** and C. Bulutay “Gerinme altındaki geçiş metali dikalkojenitlerinde çiftrenklilik ve Berry eğriliğinin gelişmiş iki bant k.p Hamiltonyeniyle incelenmesi” presented as poster in 24. Yoğun Madde Fiziği, Ankara, Turkey, 21 December 2018.
* **S. Aas**, O. Ozdemir, H. Caglayan, E. Ozbay “Graphene Split Ring Resonators” presented as poster in Fotonik 2016, Ankara, Turkey, 23 September 2016.
* M. Sahrai, **S. Aas** and M. Mahmoudi “Controlling the pulse propagation through one-dimensional photonic crystal with a type three-level atomic defect layer” presented as poster in Laser-Physic 2010, Ashtarak, Armenia 12-15 October 2010.
* M. Sahrai, **S. Aas** and M. Mahmoudi “Electromagnetic pulse propagation through one-dimensional photonic crystal with a three-level atomic defect layer” presented as poster in condensed mater conference, Zanjan, Institud for Advanced studies in Basic sinces, 26, 27 May 2010.

Yetenekler

**Laboratuvar**

* Nano and Microfabrication
* Optical characterization
* Electrical characterization

**Bilgisayar**

* Python & Matlab & Origin
* Lumerical

Araştırma Alanları

Two Dimensional Materials, Graphene, Quantum Optics, Optoelectronics