## Curriculum Vitae of Muhsin Caner GÖKÇE

#### **Personal Information:**

Date of Birth January 1985

Citizenship Turkish

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Title Associate Professor

**Education:** 

Ph.D. (2016) Cankaya University, Electronic and Communication

Engineering, Ankara, Turkey, GPA: 3.88 / 4.

Thesis Title: "Beam Shaping effects on MIMO Free-Space

Optical Communication Systems"

M.Sc. (2012) Ankara University, Electrical and Electronics Engineering,

Ankara, Turkey, GPA: 3.43 / 4.

Thesis Title: "Scintillation Analysis and Evaluation of super

Lorentz-Gaussian Laser Beams for Optical Wireless".

B.Sc. (2010) Çankaya University, Computer Engineering (Double Major),

Ankara, Turkey.

B.Sc. (2009) Çankaya University, Electronic and Communication

Engineering, Ankara, Turkey, GPA 3.60 / 4 High Honour.

Thesis Title: "Target Tracking with Antenna Arrays".

Awards&Achievements

Associate Professor (September, 2021)

2015-2016 Teknogirişim Project 2015 (High Data Rate Communication

with Free Space Optics 0448. TGSD.2015) from Ministry of

Science, Industry and Technology

2014-2017 TUBITAK, Scholarship Program for PhD Students (2211)

2012- 2016 Scholarship from Çankaya University for Ph.D. Study

2011-2024 TUBITAK, Incentive Program for International Scientific

**Publications** 

2006-2009 Scholarship from Çankaya University for Undergraduate Study



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| Work      | $H(\mathbf{X})$ | perience:   |
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2024-Postdoctoral Researcher, Delft University of Technology, Specialized on Laser-Satellite Communications 2022-Associate Professor in TED University, Department of Electrical-Electronics Engineering. 2019-2021 Assistant Professor in TED University, Department of Electrical-Electronics Engineering. MG Technology - FSO solutions. 2015-2020 2009-2018 Instructor in Cankaya University, Department of Electronic and Communication Engineering. **Publications: SCI** [J59] Hamza Gerçekcioğlu, Yahya Baykal, Muhsin Caner Gökçe, "Multimode Laser Beam Field Correlations for Vertical Links Operating in Oceanic Turbulence," IEEE Journal of Quantum Electronics, Accepted for publication. [J58] Yahya Baykal, Muhsin Caner Gökçe, Yalçın Ata, Hamza Gerçekcioğlu, "Scintillations of high order optical beams in biological tissues, " Journal of the Optical Society of America B, vol. 42, no. 4, pp. 922-926, March 2025. Murat Kaan Özcan, Muhsin Caner Gökçe, Yahya Baykal, [J57] "Transmittance of Gaussian beams in biological tissues," Journal of Quantitative Spectroscopy and Radiative Transfer, vol. 333, 109312, March 2025. Muhsin Caner Gökçe, Yahya Baykal, Hamza Gerçekcioğlu and [J56] Yalçın Ata, "Intensity and Degree of Coherence of Vortex Beams in Atmospheric Turbulence," in IEEE Journal of Quantum Electronics, vol. 60, no. 6, pp. 1-8, Dec. 2024, Art no. 6000208, doi: 10.1109/JQE.2024.3484248. Yahya Baykal, Muhsin Caner Gökçe, Yalçın Ata, Hamza [J55]

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with radial array beams and finite sized detectors", SPIE

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Muhsin C. Gökçe, Yahya. Baykal, Murat Uysal, "Effect of LED sources on the performance of MIMO FSO systems", Çankaya University Symposium MTS 7, Ankara, pp. 133-135, 2014.

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K. Tugyan, Muhsin C. Gökçe, H.T. Eyyuboğlu, and E. Sermutlu, "Mühendislik uygulamalarında kullanılan çok katlı integralin sembolik çözümü". Çankaya University Symposium MTS 3, Ankara, pp. 371-380, 2010.

### **Skills:**

# **Computer related**

- Matlab
- C++, Java
- Proteus
- HTML

#### Languages

• English: Advanced