

# Օվանես Տամվելովիչ Արյան

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## Ինստիտուտ ֆիզիկի

Հեռահաղորդակցութեան և ազդանշանների մշակման ամբիոն  
Заведующий кафедрой, доцент

## 🌐 Знание языков

Simple English Русский

## 📖 Публикации

Статья

### **Dielectric coated conductive rod resonantly coupled with a cut transmission line as a tunable microwave bandstop filter and sensor**

David Hambaryan, Tigran Abrahamyan, Henrik Parsamyan, Artyom Movsisyan, Bill Minasyan, Hovhannes Haroyan, Arsen Babajanyan, Kiejin Lee, Barry Friedman, Khachatur Nerkararyan  
Heliyon 2024 e24477

Статья

### **Tunable ultra-broadband terahertz metamaterial absorber based on vanadium dioxide strips**

Lilit Gevorgyan, Hovhannes Haroyan, Henrik Parsamyan, Khachatur Nerkararyan  
RSC Advances 2023 11948-11958

Статья

### **Broadband tunable mid-infrared absorber based on conductive strip-like meta-atom elements**

Henrik Parsamyan, Hovhannes Haroyan, Khachatur Nerkararyan  
Materials Today Communications 2022 103692

Статья

### **Electrically Small Microstrip Antenna Based on Magnetodielectric Materials**

Hovhannes Haroyan, Arsen Hakhoumian, Ararat Stepanyan  
Journal of Telecommunications and Information Technology 2022 98-102

Статья

### **Resonant Interaction Between Microwaves and Thin Conducting Microstructure with Finite Length**

T. Abrahamyan, H. Haroyan, D. Hambaryan, H. Parsamyan, K. Lee, A. Babajanyan, Kh. Nerkararyan  
NanoWorld Journal 2022 S5

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### **Surface-standing-wave formation via resonance interaction of a finite-length conductive rod with microwaves**

Tigran Abrahamyan, Hovhannes Haroyan, David Hambaryan, Henrik Parsamyan, Arsen Babajanyan, Kiejin Lee, Barry Friedman, Khachatur Nerkararyan  
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**Microwave response phase control of a graphite microstrip**

Arsen Babajanyan, Tigran Abrahamyan, Hovhannes Haroyan, Billi Minasyan, Torgom Yezekyan, Kiejin Lee, Barry Friedman, Khachatur Nerkararyan  
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**Broadband Absorption of Microwaves in Periodic Cylindrical Structures**

Lilit Gevorgyan, Henrik A. Parsamyan, Hovhannes Haroyan  
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**Broadband Infrared Absorption Due to Low Q-factor Dipole Modes of Cr Strips**

H. A. Parsamyan, D. S. Hambaryan, H. S. Haroyan  
Springer Proceedings in Physics (Optics and Its Applications) 2022 59-68

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**GRAPHITE-INSULATOR-METAL BASED METAMATERIAL ABSORBER AT X-BAND**

D. Hambaryan, L. Gevorgyan, H. Parsamyan, A. Yesayan, H. Haroyan, Kh. Nerkararyan  
IEEE Xplore 2022 15-17

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**Միկրոալիքային խոցող զենք. տեսության և կառուցվածքի որոշ հարցեր**

Հ. Ս. Հարոյան, Խ. Վ. Ներկարարյան, Ա. Ա. Հախումյան, Ա. Հ. Մակարյան, Կ. Ռ. Միրզոյան  
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**Light control in a hemicylindrical whispering gallery microcavity-parallel plate waveguide system**

Hovhannes Haroyan, Henrik Parsamayan, Khachatur Nerkararyan  
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**Broadband microwave absorption based on the configuration resonance of wires**

Henrik Parsamyan, Hovhannes Haroyan, Khachatur Nerkararyan  
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**Semicylindrical microresonator: excitation, modal structure, and Q-factor**

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**Plasmonic Nanoparticles Arrangements for Biosensing**

H. Haroyan, T. Yezekyan, H. Parsamyan  
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**Fano Resonance in Coupled Semicylindrical Microresonators**

H. Haroyan, T. Yezekyan, H. Parsamyan, A. Ninoyan

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**Waveguide resonator with high quality factor excited through the subwavelength slit**

Khachik Sahakyan, Hovhannes Haroyan, Kh. Nerkararyan

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**Stopping power and the straggling parameter of a heavy charged particle moving through a homogeneous free-electron gas**

H. Matevosyan, K. Sargsyan, H. Haroyan

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**Построение гибридных программных систем PIC-моделирования**

Д. А. Осипян, Г. Г. Матевосян, О. С. Ароян

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**Широкодиапазонная диэлектрическая проницаемость столкновительной плазмы с произвольным зарядом ионов**

М. Е. Вайсман, Н. Е. Андреев, Г. Г. Матевосян, О. С. Ароян

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**Detection of CO<sub>2</sub> laser radiation in a ferrite**

H. Haroyan, A. Makaryan, K. Movsisyan, Farokh Nazari, V. Tadevosyan, H. Julfayan

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**Analytic Description of Various Ring Type Surface Plasmon Microresonators**

H. Haroyan

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**High Gain Broadband Plasmonic Slot Nano-Antenna**

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Образовательный Руководство

**«Կիճակագրական ռադիոֆիզիկա» լաբորատոր աշխատանքների ձեռնարկ**

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Конференция

**Whispering-Gallery Microresonator with a New Easy and Controllable Excitation Method**

H. Parsamyan, H. Haroyan, Kh. Nerkararyan

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Конференция

**Slot Nano-Antenna Integrated with Plasmonic Waveguide**

H. Haroyan

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Конференция

**Spectral Efficiency Improvement in Nonlinear Wireless Systems**

H. Haroyan, T. Harytyunyan, S. Sargsyan, G. Harutyunyan

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Конференция

**Dielectric-Coated Conductive Rod Resonantly Coupled with a Cut Goubau Line as a Sensitive Microwave Sensor**

Tigran Abrahamyan, Hovhannes Haroyan, David Hambaryan, Artyom Movsisy, Henrik Parsamyan,

Arsen Babajanyan, Khachatur Nerkararyan, Kiejin Lee

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