

# Billi Jean-Loui Minasyan

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in R<sup>6</sup>

Ֆիզիկատեխնիկական հետազոտությունների կենտրոն  
Junior Researcher

## Education

<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Radiophysics
<b>Date</b>	2019 - 2022
<b>Degree name</b>	PhD student

<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Radiophysics
<b>Date</b>	2017 - 2019
<b>Degree name</b>	Masters

<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Radiophysics
<b>Date</b>	2013 - 2017
<b>Degree name</b>	Bachelor

## Scientific Rank/degree

<b>Institution</b>	Yerevan State University
<b>Date</b>	2022
<b>Degree name</b>	Candidate
<b>Specialty</b>	Physico-mathematical sciences
<b>Scientific Supervisor</b>	Arsen Babajanyan
<b>Research Topic</b>	Visualization of wave fields in nanostructures using a thermoelastic indicator microscope

## Language skills

Հայերեն Русский English

## Work experience

<b>Institution</b>	Yerevan State University
<b>Period of time</b>	2020 till now
<b>Rank/degree</b>	Chair of Applied Electrodynamics and Modeling, Assistant

*Article*

**Design and preparation of the adaptive direction-finding system for using the smart jamming RF signals systems in the 1-6 GHz frequency range**

T. Manukyan, G. Sugyan, H. Hambardzumyan, B. Minasyan, A. Aharonyan, S. Eyrarmjyan

IET Conference Proceedings 2025 45 - 48

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*Article*

**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

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*Article*

**Reflective multi-layer metasurface based on half-wave plate structure for polarization control in the visible-near-infrared region**

Artyom Movsisyan, Hasmik Manukyan, Billi Minasyan, Arsen Babajanyan

Physica Scripta 2024 095545

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*Article*

**Characterization of microwave response of the mesh-pattern vs. uniformly-coated indium-tin-oxide indicator for the thermoelastic optical microscope: a comparative analysis**

Artyom Movsisyan, Hasmik Manukyan, Billi Minasyan, Zhirayr Baghdasryan, Kiejin Lee,

Arsen Babajanyan

IET Conference Proceedings 2024 15-18

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*Article*

**Characterization of Metal Nanoparticles Aqueous Solution by a Thermoelastic Optical Indicator Microscope**

G. Ohanyan, N. Margaryan, M. Manvelyan, L. Odabashyan, B. Minasyan, A. Movsisyan, R. Khachatryan,

A. Babajanyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2022 187-191

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*Article*

**Microwave response phase control of a graphite microstrip**

Arsen Babajanyan, Tigran Abrahamyan, Hovhannes Haroyan, Billi Minasyan, Torgom Yezekyan,

Kiejin Lee, Barry Friedman, Khachatur Nerkararyan

Carbon 2022 151-156

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*Article*

**Noninvasive in Vivo Evaluation of Mouse-Blood Glycemia with a Microwave Spiral Sensor**

A. Babajanyan, B. Minasyan, L. Odabashyan, S. Kim, J. Kim, J.-H. Lee, B. Friedman, K. Lee

Journal of Contemporary Physics (Armenian Academy of Sciences) 2021 47-54

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*Article*

**Performance of Pentacene Based Organic Thin Film Transistor with an Octadecyltrichlorosilane Self-Assembled Monolayer Interface**

A. Babajanyan, B. Minasyan, A. Movsisyan, B. Friedman, K. Lee

Journal of Contemporary Physics (Armenian Academy of Sciences) 2021 208-213

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*Article*

**PROBING OF A MIXED AQUEOUS SODIUM CHLORIDE AND GLUCOSE SOLUTION WITH THE USE OF A THERMOELASTIC OPTICAL INDICATOR MICROSCOPE**

B. J. MINASYAN

Proceedings of the YSU A. Physical and Mathematical Sciences 2021 174-181

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