

# Billi Jean-Loui Minasyan

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in R<sup>6</sup>

Ֆիզիկատեխնիկական հետազոտությունների կենտրոն  
Junior Researcher

## Education

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|--------------------|--------------------------|
| <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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