

**PERSONAL INFORMATION**



**Kanapina Assel Elubaevna**

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**PLACE OF WORK, POSITION**

Academician E.A. Buketov Karaganda University, senior lecturer of the Department of Physics and Nanotechnology

**SCIENTIFIC DEGREE, SCIENTIFIC TITLE (ACADEMIC DEGREE)**

Master of Sciences

**WORK EXPERIENCE**

**Place and date**

- **2008-2009yy.**–Engineer of the Department of Condensed Matter Spectroscopy
- **2009-2010yy.**–Lecturer at the Department of Condensed Matter Spectroscopy
- **2010-2014yy.**–Engineer at the Department of Instrumentation and Nanotechnology
- **2017-2018 yy.** –Specialist at the Innovation and Technology Center
- **2018-2020yy.**–Lecturer at the Department of Physics and Nanotechnology
- **2023 y.to the present** – Senior Lecturer at the Department of Physics and Nanotechnologies of the NJSC «KarU named after. E.A. Buketova»

**EDUCATION AND PROFESSIONAL TRAINING**

**Education**

**2003-2008yy.**–Karaganda State University named after Academician E.A. Buketov, specialty - «Physical methods and instruments for monitoring and analysis of substances and products», assigned qualification - physicist-engineer.

**2014-2016yy.** –Karaganda State University named after Academician E.A. Buketov, specialty - 060400 - «Physics», awarded qualification - academic master's degree in natural sciences.

**2020-2023yy.**–Karaganda University named after academician E.A. Buketov, doctoral studies (PhD) in specialty 8D05302 - «Physics».

**Professional trainings, Scientific trips**

**02.06.22.–02.07.22y.**Scientific internship at Tomsk Polytechnic University. Tomsk,Russia.

**PERSONNEL QUALITIES**

**Native language**

	UNDERSTANDING		SPEAKING		WRITING READING
	Hearing	Reading	Oral speech	Hearing	
<b>Russian</b>	B2	B2	B2		B2
<b>English</b>	A2	A2	A2		A2

**Digital skills**

ADVANCED USER OF MICROSOFT OFFICE (WORD, EXCEL, POWER POINT). KNOWLEDGE OF OPERATING SYSTEMS: WINDOWS, ANDROID, IOS.

## ADDITIONAL INFORMATION

### Main publications

1. Аймуханов А.К., Канапина А.Е., Ибраев., Н.Х. Влияние среды на свойства наночастиц серебра, полученных методом лазерной абляции// Вестник КазНУ. Серия химическая. – 2015. – №3(79). – С.91-94.
2. N.Kh. Ibrayev, E.V. Seliverstova, A.E. Kanapina. Transient absorption of gold nanoparticles of various diameters //Eurasian Physical Technical Journal– 2022 – Vol. 19, № 4(42). – P.73-77.<https://doi.org/10.31489/2022No4>
3. N. Ibrayev, D. Afanasyev, A. Ishchenko and A. Kanapina. Influence of silver nanoparticles on the spectral-luminescent and lasing properties of merocyanine dyes solutions // Laser Physics Letters. – 2021. – Vol. 18(8). – P. 085001<https://doi.org/10.1088/1612-202X/AC0E3F> (IF 2.016, Q3 процентиль – 75%).
4. N. Ibrayev, E. Seliverstova, G. Omarova, A. Kanapina, A. Ishchenko. Plasmon Au nanoparticles effect on the spectral and fluorescent properties of indopolycarbocyanine dyes // Materials Today: Proceedings – 2022. – Vol. 71(1). – P. 100-104. <https://doi.org/10.1016/j.matpr.2022.09.615>. (CiteScore 2.3, процентиль – 38%).
5. А.Е. Канапина, Н.Х. Ибраев, Е.В. Селиверстова, А.А. Ищенко. Влияние плазмонного резонанса наночастиц металлов на внутримолекулярные электронные переходы в молекулах полиметиновых красителей различной ионности // Физика твердого тела: XV Международная научная конференция. – Астана, 2022. – С. 133-135.
6. А.Е. Канапина, Д.А. Афанасьев. Понижение порога генерации этанольного раствора катионного полиметинового красителя в присутствии наночастиц серебра // Фотоника и информационная оптика: XI Международная конференция. – Москва, 2022. – С. 118.
7. А.Е. Канапина, N.Kh.Ibraev, A.A. Ishchenko. Spectral-luminescent and lasing properties of indocarbocyanine dye in the presence of silver nanoparticles // Химическая физика молекул и полифункциональных материалов. Международная научная конференция. – Оренбург, 2022.
8. Seliverstova E., Ibrayev N., Ishchenko A., Valiev R., A.E. Kanapina, Kulinich A., Kurten T., Sundholm D. Influence of plasmons on the luminescence properties of solvatochromic merocyanine dyes with different solvatochromism. Phys. Chem. Chem. Phys., – 2023. – Vol. 25. – P. 22851-22861. <https://doi.org/10.1039/D3CP03029F>
9. А.Е. Канапина, Seliverstova E., Ibrayev N., Derevyanko N., Ishchenko A. Features of the decay of excited states of ionic dyes in the near field of metal nanoparticles Eurasian Physical Technical Journal. – 2023. – Vol.20, No.2 (44). – P. 106-111. <https://doi.org/10.31489/2023No2/106-111>

### Participation in the implementation of scientific projects

1. «Dynamics of electronic processes in plasmonic nanostructures and their impact on molecular photonics» (Customer – Ministry of Education and Science of the Republic of Kazakhstan; 2022 – 2024; junior researcher);
2. «Plasmon - enhanced photophysical processes in condensed molecular media» (Customer – Ministry of Education and Science of the Republic of Kazakhstan; 2020-2022; junior researcher);

### Professional and scientific interests

– Nanoplasmonics, synthesis of nanostructures, plasmon - enhanced photoprocesses.

### Scientometric IDENTIFIERS DATABASES

Author ID в Scopus	57226236798
Researcher ID Web of Science	99072021
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