



## Svetlana Ivassenko

**Department/unit** Department of Pharmaceutical Disciplines and Chemistry

**Degree** Doctor of Pharmaceutical Sciences, Professor

**Email** [Ivassenko@kgmu.kz](mailto:Ivassenko@kgmu.kz)

**Research interests** Comprehensive scientific research aimed at the development and implementation of new medicines based on domestic raw materials. Specialist in chromatography (analytical, preparative, production)

**Grants** Project Manager on the topic:

"Development of the composition and technology of original herbal medicines for the treatment and prevention of Helicobacter pylori-associated diseases" for 2020-2021, No. GR 0120RK00277

"New technologies for obtaining pharmacologically active substances from plant raw materials" (innovation grant, state registration No. 0113RK00396) for 2013-2015.

Head of intra-university projects on the following topics:

"Comprehensive study of biologically active substances of certain representatives of the genus Thymus L. growing on the territory of Kazakhstan for the creation of effective domestic phytopreparations based on them" for 2017

"Development of technology for obtaining new antimicrobial and expectorant drugs based on some representatives of the genus Thymus L." for 2018-2020.

Program Executor:

NTP O. 0660 "Integrated approaches in the management of the health status of the population of the Aral Sea region" for 2013-2015. The theme of "Conduct clinical and laboratory studies to assess humoral immunity, endocrinopathy and the reproductive system of the population aged 18 to 49 years living in the city of Shalkar, p. Irgiz Aktobe region, Arys South Kazakhstan region, Ulytau and p. p. atas Karaganda region".

NTP O. 0769 "Development of scientific foundations for the formation of a preventive environment for the preservation of public health" for 2017 -2019, No. GR 0117RK00018.



NTP O. 0821 "Personalized approach in the management of a number of significant diseases" for 2018-2020, No. GR 0118RK01034.

Contractor of the grant financing project:

"Development and application of antibiotic-impregnated allograft prepared according to the Marburg bone Bank system for the treatment of osteomyelitis" for 2018-2020, No. GR 0118RK01020.

### **Selected publications**

Determination of the product of DNA oxidation in the blood of women living in the Sub-Aral Area

Jangildinova, S., Ivassenko, S., Kelmyalene, A. Email Author, Yessilbayeva, B., Dyussenbekova, B., Kinayatov, M. (2019). Open Access Macedonian Journal of Medical Sciences, 7(10), 1672-1674

Relationship between trimethylamine N-oxide and total cardiovascular risk in the population of Central Kazakhstan

Borisovich, M.A.a, Aleksandrovna, I.S.a, Mikhailovna, L.Y.a, Gennadiyevna, T.L.a, Akylbekovna, T.A.a, Moraru, D.c, Chesca, A. (2018). Acta Medica Mediterranea, 34(1), #59

The study of cellular and molecular physiological characteristics of sperm in men living in the Aral Sea region

Kultanov, B.Z., Dosmagambetova, R.S., Ivassenko, S.A., Tatina, Y.S., Kelmyalene, A.A., Assenovav, L.H. (2016). Open Access Macedonian Journal of Medical Sciences, 4(1), 5-8

Gram-Scale Purification of Two Sesquiterpene Lactones from *Chartolepsis Intermedia* Boiss

Adekenova, A.S.a,b, Sakenova, P.Y.a, Ivassenko, S.A.b, Khabarov, I.A.a, Adekenov, S.M.a, Berthod, A. (2016). Chromatographia, 79(1-2), 37-43

The study of cellular and molecular physiological characteristics of sperm in men living in the aral sea region

Kultanov, B.Z. Email Author, Dosmagambetova, R.S., Ivassenko, S.A., Tatina, Y.S., Kelmyalene, A.A., Assenova, L.H. (2015). Macedonian Journal of Medical Sciences, 4(1), #22

Evaluation of oxidative stress in men living in the zone of ecological catastrophe



Kultanov, B. Email Author, Ibraybekov, Z., Ivaskenko, S., Britko, V., Rahimova, B. (2015). *Biology and Medicine*, 7(5), BM-137-15

Extraction fusicoccin from wheat seeds using nanocarbon sorbents

Mansurov, Z.A., Azat, S., Adekenova, A.S., Kerimkulova, A.R., Ivaskenko, S.A., Shulgau, Z.T., Gilmanov, M.K., Kerimkulova, M.R. (2012).

*Advanced Materials Research*, 647, 67-70

Quantitative HPLC determination of cynaropicrin in *Centaurea scabiosa* dry extract

Kaminskii, I.P.a, Krasnov, E.A.a, Kadyrova, T.V.a, Ivaskenko, S.A.b, Rakhimova, B.B.b, Adekenov, S.M. (2011). *Pharmaceutical Chemistry Journal*, 45(9), 560-563

Tourneforin, a novel eudesmanolide from *Artemisia tournefortiana*

Talzhhanov, N.A., Rodichev, M.A., Raldugin, V.A, Gatilov, Yu.V., Shakirov, M.M., Ivaskenko, S.A., Turdybekov, K.M., Adekenov, S.M. (2007). *Chemistry of Natural Compounds*, 43(5), 555-557

**Patents,  
intellectual property  
certificates**

1. Certificate of entry of information in the State Register of Rights to objects protected by copyright No. 133 of 10.10.2018. Method for simultaneous determination of the quantitative content of antitumor drugs 5-fluorouracil, oxaliplatin and leucovorin in blood plasma by HPLC/UV / Marchenko A. B., Ivaskenko S. A., Akhmaltdinova L. L., Babenko D. B., Turmukhambetova A. A.

2. Patent of the Republic of Kazakhstan No. 33624 for the invention dated 04.05.2019. A method for quantifying the level of trimethylamine N-oxide in blood plasma / Marchenko A. B., Ivaskenko S. A., Laryushina E. M., Turmukhambetova A. A.

3. Patent of the Republic of Kazakhstan No. 34162 for the invention of 11.02.2020. Application of dry thyme extract (*Thymus crebrifolius* Klok.) as a broad-spectrum antimicrobial agent / Akhmetalimova A.M., Bokaeva A. B., Ivaskenko S. A., Akhmetova S. B., Loseva I. V.

4. Patent of the Republic of Kazakhstan No. 34245 of 26.03.2020. Method for obtaining ultrasonic extract from creeping thyme (*Thymus serpyllum* L. s.l.), which has an antibacterial effect against *Helicobacter pylori* / Orazbayeva P.



Z., Shakarimova K. K., Ivassenko S. A., Akhmetova S. B., Loseva I. V.

5. Patent of the Republic of Kazakhstan No. 34245 dated 26.03.2020. Method for obtaining ultrasonic extract from creeping thyme (*Thymus serpyllum* L. s.l.), which has an antibacterial effect against *Helicobacter pylori*/ Orazbayeva P. Z. Shakarimov K. K. Ivassenko, S. A., Akhmetova S. B. I. Losev V.