

CURRICULUM VITAE

General information

- Name:** Skalny Anatoly V.
- Place and date of birth:** Ivano-Frankovsk, Ukraine, 12.05.62
- Nationality:** Russian Federation
- Title and job position:** Ph.D., M.D., professor, Chief Scientific Officer at the All-Russian Research Institute of Medicinal and Aromatic Plants (VILAR), Head of Department of Medical Elementology at Peoples' Friendship University of Russia (RUDN University), Vice president of Trace Element Institute for UNESCO (Lyon, France), Director of Institute of Bioelementology, Orenburg State university, Founder of Center for Biotic Medicine (CBM), President of «Russian Society for Trace Elements in Medicine» (RUSTEM), member of advisory board of Federation of European Societies on Trace Elements and Minerals (FESTEM)
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Education

- 1980-1985** Faculty of General Physician Practice, Ivano-Frankovsk state Medical Institute.
Specialty: General Medicine (Therapy) and Pediatrics
- 1988** Specialization – children neurology
- 1990** Advanced degree: Ph.D. (Candidate of Medical Sciences): “Investigation of chronic alcohol intoxication influence on the metabolism of Zn, Cu and Li in the parents and their offspring”
on the specialty of “Narcology”.
- 1998, 2003, 2006, 2009, 2013, 2017** Specialization – pediatrics (Russian Academy of Postgraduate education, MONIKI)
- 2000** Advanced degree: D.Sc. (Doctor of Medical Sciences): “Ecological and physiological suggestion of macro- and trace elements use effectiveness in subjects from different climato-geographical regions on the specialties of “Normal physiology” and “Rehabilitation medicine”
- 2002 Training course for sport medicine (UEFA)
- 04.2004 Professorship
- 2007 Specialty: Molecular investigation in pathophysiology (Russian Academy of Postgraduate education)

- Knowledge of languages:** Ukrainian (native)
Russian (native)
English (working language)
German (working language)
French (working language)
Macedonian (working language)

<i>Work Experience</i>	
1982-1985	Ivano-Frankovsk state Medical Institute, Laborant (chemist) chair of medical chemistry
1985-1989	All-Union V.P.Serbsky Research Institute for Forensic Psychiatry, Department of Children Neurology, Moscow, USSR, Junior Research Scientist.
1988-1995	Scientific-Medical Centre "Element", Ltd., Moscow, Russia, Scientific Director
1989-1991	All-Union Centre for Narcology, Department of Alcoholism Genetics, Moscow, USSR, Junior Research Scientist.
1998-up to the present time	Autonomous non-profit organisation "Centre for Biotic Medicine", President (founder), Moscow, Russia
1999-2008	Moscow Scientific-Practical Center of Sports Medicine, Leading Scientist, Moscow, Russia
2000-2002	Institute of biophysics Ministry of public health, Senior scientist, Moscow, Russia
2000-up to the present time	International Journal "Trace Elements in Medicine", Editor-in-chief, (founder), Moscow, Russia
2002 - up to the present time	International «Journal of trace elements in medicine and biology» (Elsevier)
2003 - up to the present time	Orenburg State University, Institute of Bioelementology; director, Orenburg, Russia
2003- 2013	Orenburg State University, Institute of Bioelementology; Head of department of nutrition and bioelementology; Orenburg, Russia
2004-2006	I.Sechenov Moscow Medical Academy, Professor of chair of toxicological chemistry, Moscow, Russia
2004- up to the present time	Russian Satellite Centre of Trace Element – Institute for UNESCO, Director
2006-2007	Research institute of general pathology and pathophysiology of Russian academy of medical sciences, Head of laboratory of bioelementology, deputy Scientific director
2008-2015	Federal State Scientific Institution "Institute of Toxicology", Federal Medico-Biological Agency of Russia, Chief

	Scientific Officer, St.-Petersburg, Russia
2008–2012	The Working Group on Support of Pilot Projects in Catering for Educational Institutions, the Russian President Council for Realization of Priority National Projects and Demographic Policy, Expert
2012– 2016	Trace Element Institute for UNESCO, General director: (Lyon, France), Head of the Executive Secretariat (Moscow, Russia)
2014 - up to the present time	P.G. Demidov Yaroslavl State University, Laboratory of biotechnology and applied bioelementology, head of laboratory, Yaroslavl, Russia
2016 - up to the present time	Trace Elements Institute for UNESCO, Vice president, Lyon, France
2017 - up to the present time	Peoples' Friendship University of Russia (RUDN University), head of medical elementology department, Moscow, Russia
2015 - up to the present time	All-Russian Research Institute of Medicinal and Aromatic Plants (VILAR), Chief Scientific Officer

Memberships

Member of All-USSR Mendeleev Society of Chemists (1986-1991);

Member of All-USSR Federal Council on Biological Role of Trace Elements in Agriculture, Biology and Medicine (1987-1992);

Member of Leading Council of Moscow Branch of All-Russian Society of Laboratory Medicine (1989-1995);

Member of Chamber on Ecology and Natural Resources of Political Advisory Council at President of Russian Federation (1997-1999);

Member of Chamber on Science, Culture and Public Health of Political Advisory Council at President of Russian Federation (1998-1999);

Chairman of Russian Society of Trace Elements in Medicine (RUSTEM) (since 2001);

Member of Board of Executives of Federation of European Societies on Trace Elements and Minerals (FESTEM) (2002 - 2016);

Honorary Member of Finnish Society of Biological Medicine (since 2005);

Full Member of National Environmental Science Academy (NESA), India (since 2008);

Member of Problem Commission on Biotechnology, Russia (since 2009);

Full member of the Academy of Medical-Technical Sciences, Russia (since 2010);

Member of the Commission on Assay of Medical Objects at Russian Academy of Science (since 2010).

Honorary Member of Romanian Society of Medical Elementology (since 2016);

Member of the Advisory Committee of Xi'an Jiatong University Global Health Institute (Xi'an, China) (since 2017)

Member of the International Anti-aging and Integrative Medicine Society (since 2017)

Pedagogical activity

Since 1991 was the scientific mentor or consultant of 14 Ph.D. (Candidates of medical or biological sciences) and 8 DSc. (Doctors of sciences).

The main subjects of the scientific interests and medical treatment experience are:

- Study of the association between trace element imbalance on the population and medico-demographic indices
- investigation of the health status of populations of particular territories using various substrates as indicators of excessive cumulation or deficiency of macro- and trace elements
- Development and introduction of the new methods of element and vitamin status assessment and their impact on functional status of the organism, the level of its reserves and morbidity
- diagnostic, therapy and prevention of diseases caused by mineral metabolism disturbances, nutritional diet or intoxications including those in sport and highly dangerous professions;
- assessment of the influence of trace element, vitamin, and sorbent preparations on the functional reserves and physiological functions of the human organism
- development of novel biologically active nutritional supplements and foods, enriched with micronutrients

Additional information

Married, have four children.

Awards

2003 – Medal on 80 years of Russian committee for Sport;

2004 – Academician Pavlov's medal (Russian Academy of Natural Sciences Award);

2010 – medal of Internal Forces of Russian Federation "For Assistance",

2012 – Diploma of the Siberian branch of the Russian Academy of Medical Sciences,

2016 – V. I. Vernadsky National Prize;

2017 – Medal of the Eurasian Scientific-Technological Conference;

2017 – Golden Medal of the Eurasian contest of energy-ecological and scientific-technological projects.

Key books and chapters in Russian

1. Oberleas D., Harland B., Skalny A. Biological role of macro- and trace elements in human and animals. – St.-Petersburg: Nauka, 2008. – 544 p.
2. Skalny A.V., Lakarova E.V., Kuznetsov V.V., Skalnaya M.G. Analytical methods in bioelementology. – St.-Petersburg: Nauka. 2009. – 260 p.
3. Semenov A.S., Skalny A.V. Immunopathological and pathobiochemical aspects of pathogenesis of perinatal brain derangement. – St.-Petersburg: Nauka. 2009. – 368 p.
4. Aftanas L.I., Bonitenko E.Yu, Varenik V.I., Grabeklis A.R., Kiselev M.F., Lakarova E.V., Nechiporenko S.P., Nikolaev V.A., Skalny A.V., Skalnaya M.G. Elemental status of the population of Russia. Part 1. General questions and modern methodological approaches to assessing the elemental status of an individual and population. Ed. by Skalny A.V., Kiselev M.F. – St. Petersburg: ELBI-SPb, 2010. – 416 p.
5. Aftanas L.I., Berezkina E.S., Bonitenko E.Yu, Varenik V.I., Grabeklis A.R., Demidov V.A., Kiselev M.F., Nechiporenko S.P., Nikolaev V.A., Skalny A.V., Skalnaya M.G. Elemental status of the population of Russia. Part 2. Elemental status of the population of the Central Federal district. Ed. by Skalny A.V., Kiselev M.F. – St. Petersburg. : ELBI-SPb, 2011. – 432 p.
6. Aftanas L.I., Berezkina E.S., Bonitenko E.Yu, Varenik V.I., Grabeklis A.R., Demidov V.A., Detkov V.U., Isankina L.N., Kiselev M.F., Lomakin U.V., Nechiporenko S.P., Nikolaev V.A., Skalny A.V., Skalnaya M.G. Elemental status of the population of Russia. Part 3. Elemental status of the population of the North-Western, southern and North Caucasian Federal districts. Ed. by Skalny A.V., Kiselev M.F. – St. Petersburg: ELBI-SPb, 2012. – 576 p.
7. Tzygan V.N., Skalny A.V., Mokeeva E.G. Sport. Immunity. Food. – St. Petersburg: ELBI-SPb, 2012. – 240 p.
8. Aftanas L.I., Berezkina E.S., Bonitenko E.Yu, Burtseva T.I., Varenik V.I., Grabeklis A.R., Demidov V.A., Kiselev M.F., Nikolaev V.A., Skalny A.V., Skalnaya M.G. Elemental status of the population of Russia. Part 4. Elemental status of the population of Privolzhsky and Ural Federal districts. Ed. by Skalny A.V., Kiselev M.F.– St. Petersburg: ELBI-SPb, 2013. – 576 p.
9. Tzygan V.N., Kamilova T.A., Skalny A.V., Tzygan N.V., Dolgo-Saburov V.B. Pathophysiology of cell. – St. Petersburg: ELBI-SPb, 2014. – 128 p.
10. Aftanas L.I., Berezkina E.S., Bonitenko E.Ju, Varenik V.I., Grabeklis A.R., Demidov V.A., Zavodchikova M.G., Kiselev M.F., Nikolaev V.A., Skalny A.V., Skalnaya M.G., Atlas. Elemental status of the population of Russia. Ed. by Uiba V.V., Skalny A.V. – St. Petersburg: ELBI-SPb, 2014. – 352 p.
11. Aftanas L.I., Berezkina E.S., Bonitenko E.Yu, Varenik V.I., Gorbachev A.L., Grabeklis A.R., Demidov V.A., Kiselev M.F., Nikolaev V.A., Skalny A.V., Skalnaya M.G. Elemental status of the population of Russia. Part 5. Element status of population of the Siberian and far Eastern Federal districts. Ed. by Skalny A.V., Kiselev M.F. – St. Petersburg: ELBI-SPb, 2014. – 544 p.
12. Radysh I. V., Skalny A. V. Introduction to medical elementology: students manual., Moscow: Peoples' Friendship University of Russia, 2015. – 200 p.

Key books and chapters in English and other languages

1. Skalny A.V. Mikroelementoze. Poremecaji mikroelemenata kod covjeka. Zagreb, 1999. – 44 p.
2. Karganov M., Alchinova I., Arkhipova E., Skalny A. Laser correlation spectroscopy: nutritional, ecological and toxic aspects. In: Biophysics. Ed.by A. N. Misra. InTech, Rijeka, Croatia, 2012. – P.1-16.
3. Tambiev A., Skalny A. Electromagnetic radiation and life: bioelementological point of view. In: Biophysics. Ed.by A. N. Misra. InTech, Rijeka, Croatia, 2012. – P.193-220.
4. Gorbachev A.L., Lugovaya E.A., Skalny A.V. Bioelement status shown by the aboriginal residents of Russia's Northern region. In: Conservation of environment for human health. Eds. S.7. Qasim, et al., New Delhi, NESAI. 2013. – C. 8. – P. 65-73.
5. Skalny A.V. Bioelementology as an integrative interdisciplinary approach in life sciences. In: Conservation of environment for human health. National Environmental Science Academy, Eds. S.7. Qasim, et al. New Delhi, NESAI, 2013. – C. 10. – P. 81-93.
6. Gorbachev A.L., Lugovaya E.A., Skalny A.V. Multielement Analysis of Indigenous Peoples, Living in Russian North. In: Polysystemic Approach to School, Sport and Environment Medicine, Ed. by F. Atroshi, InTech, Rijeka, 2014 – P. 2-10.
7. Skalny A.V. Bioelements and bioelementology in pharmacology and nutrition: fundamental and practical aspects. In: Pharmacology and nutritional intervention in the treatment of disease. Ed. By Atroshi, 2014, InTech, Rijeka, 2014. – P. 225-241.
8. Skalny, A. V., Skalnaya, M. G., Nikonorov, A. A., Tinkov, A. A. Selenium Antagonism with Mercury and Arsenic: From Chemistry to Population Health and Demography. In: Selenium: Its Molecular Biology and Role in Human Health. Ed. by Hatfield DL, Schweizer U, Tsuji PA, Gladyshev VN. Springer International Publishing, 2016. – P. 401-412
9. Skalny, A. V. et al. Introduction to bioelementology: manual for students. Peoples' Friendship University of Russia, 2017 – 210 p.

Key publications in international peer-reviewed journals:

1. Skalnaya M.G, Zhavoronkov AA, Kalinina II, Skalny A.V. Characteristic of thymus in newborn mice after chronic exposure of their mothers to sodium arsenite // Trace elements and electrolytes. – 1996. – V. 13(2). – P. 88-91.
2. Gromova O.A, Avdeenko TV, Burtsev EM, Skalny A.V, Solovyev OI, Smirnov MB. Cerebrolysin influence on antioxidant and element homeostasis in children with minimal cerebral dysfunction // Trace elements and electrolytes. – 1997. – V. 14(3). – P. 140-144.
3. Skalny A.V., Chernyaev A.L, Koudrine A.V, Zhavoronkov A.A. Comparative evaluation of trace elements contents in aortic wall and in hair samples of young alcoholic men with concurrent atherosclerosis. // Cardiovascular Risk Factors. – 1999. – V. 9(1). – P. 1-5.
4. Skalnaya M.G, Skalny A.V, Demidov V.A. Dependence of enhanced cancer morbidity on elevated level of arsenic and other toxic elements in the environment // Trace elements in medicine. Annual selections. – 2003. – V. 1. – P. 67-69.
5. Skalny A.V, Kampov-Polevoy A.B, Voronin A.E. Zinc effect on the ethanol metabolizing enzymes activity in the offspring of rats submitted top the alcohol intoxication // Trace elements in medicine. Annual selection. – 2003. – V. 1. – P. 78-80.

6. Momčilović B, Morović J, Prejac J, Skalny AV, Ivicic N. Trace element profile of human depression – the tapestry of patterns // Trace elements and electrolytes. – 2004. – V. 25(4). – P. 187-190.
7. Momčilović B, Prejac J, Brundić S, Morović S, Skalny A.V, Mimica N, Drmić S. An essay on human and elements, multielement profiles, and depression // Translational Neuroscience. – 2010. – V. 1(4). – P. 322-334.
8. Michalke B, Skalny A, Köhrle J. Report on the 4th International FESTEM Symposium on “Recent advances in trace element research: From experiments to nutritional and clinical applications in humans” (Saint Petersburg, Russia, June 09-12th, 2010) // Journal of Trace Elements in Medicine and Biology. – 2010. – V. 24. – P. 221-222.
9. Keen C.L, Uriu-Adams J.Y, Skalny A, Grabeklis A, Grebeklis S, Green Ki, Yevtushok L, Wertelecki W.W, Chambers C.D. The plausibility of maternal nutritional status being a contributing factor to the risk for fetal alcohol spectrum disorders: The potential influence of zinc status as an example // BioFactors (Oxford, England). – 2010. – V. 36(2). – P. 125-135.
10. Grabeklis A.R., Lakarova E.V., Eisazadeh S. and Skalny A.V. Sex dependent peculiarities of some important chemical element ratios in hair of schoolchildren // Journal Trace Elements and Electrolytes. – 2011. – V.28. – № 2. – 2011. – P.88-90.
11. Grabeklis A.R., Skalny A.V., Nechiporenko S.P., Lakarova E.V. Indicator ability of biosubstances in moderate occupational exposure to toxic metals // Journal of Trace Elements in Medicine and Biology. – 2011. – V.25. – P.41-44.
12. Karganov M.Y., Skalny A.V., Alchinova I.B., Khlebnikova N.N., Grabeklis A.R., Lakarova E.V. and Eisazadeh S. Combined use of laser correlation spectroscopy and ICP-AES, ICP-MS determination of macro- and trace elements in human biosubstrates for intoxication risk assessment // Journal Trace Elements and Electrolytes. – 2011. – V.28. – № 2. – P.124-127.
13. Petukhov V.I., Dmitriev E.V., Kalvinsh I., Baumann L.Kh., Reste E.D., Zvagule T., Skesters A.P., Skalny A.V. Metal-Ligand Homeostasis in Epidermic Cells of Chernobyl Accident Liquidators // Vitamins & Trace Elements. – 2011. – V.1. – Issue 2. – P. 2-8.
14. Skalny A.V. Selected papers from the IV International Symposium and Minerals in Medicine and Biology (June 9-12, 2010, St. Petersburg, Russia) // Journal of Trace Elements in Medicine and Biology. – 2011. – V.25. – P.1-2.
15. Skalny A.V. Bioelementology as an interdisciplinary integrative approach in life sciences: Terminology, classification, perspectives // Journal of Trace Elements in Medicine and Biology. – 2011. – V.25. – P.3-10.
16. Momcilovic B., Prejac J., Visnjevic V., Mimica N., Morovic S.a, Celebic A., Drmic S., Skalny A.V. Environmental human silver exposure // Toxicological and Environmental Chemistry. – 2012. – V. 94. – P. 1-9.
17. Momčilović B., Prejac J., Višnjević V., Drmić S., Mimica N., Bukovec-Megla Ž., Brundić S., Skalny A.V. The muscle immobility of depression – the weightlessness within // Psychology. – 2012. – V.3. – P.825-833.
18. Momcilovic B., Prejac J., Visnjevic V., Skalnaya M.G., Mimica N., Drmic S., Skalny A.V. Hair Iodine for Human Iodine Status Assessment // JOM. – V. 28. – № 4 – 2013. – P. 175-185.

19. Momcilovic B., Prejac J., Visnjevic V., Skalnaya M.G., Mimica N., Drmic S., Skalny A.V. Hair Iodine for Human Iodine Status Assessment // *Thyroid*. – V. 24. – № 6 – 2014. – P. 1018-1026.
20. Skalnaya M.G., Tinkov A.A., Demidov V.A., Serebryansky E.P., Nikonorov A.A., Skalny A.V. Hair toxic element content in adult men and women in relation to body mass index // *Biological Trace Element Research*. – 2014. – V. 161 (1). – P. 13-19.
21. Tinkov A.A., Popova E.V., Polyakova V.S., Skalny A.V., Nikonorov A.A. Effect of high fat diet on macroelement content in hair and adipose tissue of Wistar rats // *Trace elements and Electrolytes*. – 2014. – V. 31. – P.156 – 159.
22. Tinkov A.A., Skalnaya M.G., Demidov V.A., Serebryansky E.P., Nikonorov A.A., Skalny A.V. Hair Mercury Association with Selenium, Serum Lipid Spectrum, and Gamma-Glutamyl Transferase Activity in Adults // *Biological Trace Element Research*. – 2014. – V. 161. – I. 3. – P. 255-262.
23. Nikonorov A.A., Skalnaya M.G., Tinkov A.A., Skalny A.V. Mutual interaction between iron homeostasis and obesity pathogenesis // *Journal of Trace Elements in Medicine and Biology*. – 2015. – V. 30. – P. 207-214.
24. Skalnaya M.G., Tinkov A.A., Demidov V.A., Serebryansky E.P., Nikonorov A.A., Skalny A.V. Hair toxic element content in adult men and women in relation to body mass index // *Biological Trace Element Research*. – 2014. – V. 161(1). – P. 13-19.
25. Tinkov A.A., Popova E.V., Polyakova V.S., Skalny A.V., Nikonorov A.A. Effect of high fat diet on macroelement content in hair and adipose tissue of Wistar rats // *Trace elements and Electrolytes*. – 2014. – V. 31. – P.156 – 159.
26. Tinkov A.A., Skalnaya M.G., Demidov V.A., Serebryansky E.P., Nikonorov A.A., Skalny A.V. Hair Mercury Association with Selenium, Serum Lipid Spectrum, and Gamma-Glutamyl Transferase Activity in Adults // *Biological Trace Element Research*. – 2014. – V. 161(3). – P. 255-262.
27. Kharitonova M, Iezhitsa I, Zheltova A, Ozerov A, Spasov A, Skalny A. Comparative angioprotective effects of magnesium compounds // *Journal of Trace Elements in Medicine and Biology*. – 2015. – V. 29. – P.227-234.
28. Skalnaya M.G., Yurasov V.V., Tinkov A.A., Demidov V.A., Skalny A.V. Association between semen quality and level of 20 essential and toxic metals in ejaculate // *Trace elements and Electrolytes*. – 2015.
29. Skalny A.A., Tinkov A.A., Medvedeva Y.S., Alchinova I.B., Karganov M.Yu., Skalny Y A.V., Nikonorov A.A. Effect of short-term zinc supplementation on zink and selenium tissue distribution and serum antioxidant enzymes // *Acta Scientiarum Polonorum, Technologia Alimentaria*. – Issue 14. – №3. – 2015.
30. Tinkov AA., Sinitskii A.I, Popova E.V., Nemereshina O.N, Gatiatulina E.R., Skalnaya M.G., Skalny A.V., Nikonorov A.A. Alteration of local adipose tissue trace element homeostasis as a possible mechanism of obesity-related insulin resistance // *Medical hypotheses*. – 2015. – № 5. – P. 343-347.
31. Tinkov AA, Popova EV, Polyakova VS, Kwan OV, Skalny AV, Nikonorov AA. Adipose tissue chromium and vanadium disbalance in high-fat fed Wistar rats // *Journal of Trace Elements in Medicine and Biology*. – V.29– 2015. – P. 176-181.
32. Tinkov A.A., Ajsuvakova O.P., Skalnaya M.G., Popova E.V., Sinitskii A.I., Nemereshina O.N., Gatiatulina E.R., Nikonorov A.A., Skalny A.V. Mercury and metabolic syndrome: a

- review of experimental and clinical observations // *Biometals*. - 2015. - V. 28. - № 2. - P. 231-254.
33. Zaitseva I.P., Skalny A.A., Tinkov A.A., Berezkina E.S., Grabeklis A.R., Skalny A.V. The Influence of Physical Activity on Hair Toxic and Essential Trace Element Content in Male and Female Students // *Biological Trace Element Research*. - 2015. - V. 163. - I.1-2. - P.58-66.
 34. Sizova E., Miroshnikov S., Gluschenko N., Skalny A. Microelement Composition and Apoptosis of Liver and Spleen after Multiple Introductions of Copper Nanoparticles // *Wulfenia*. - V. 22. - №3. - 2015.
 35. Skalny A.V., Tinkov A.A., Skalnaya M.G., Demidov V.A., Serebryansky E.P., Lobanova Y.N., Grabeklis A.R., Berezkina E.S., Gryazeva I.V., Skalny A.A., Skalnaya O.A., Zhivaev N.G., Nikonorov A.A. Hair concentration of essential trace elements in adult non-exposed Russian population // *Environmental Monitoring and Assessment*. - 2015. - V. 187. - P. 676-683.
 36. Skalny A.V., Skalnaya M.G., Tinkov A.A., Serebryansky E.P., Demidov V.A., Lobanova Y.N., Grabeklis A.R., Berezkina E.S., Gryazeva I.V., Skalny A.A., Nikonorov A.A. Reference values of hair toxic trace elements content in occupationally non-exposed Russian population // *Environ Toxicol Pharmacol*. - 2015. - V. 40(1). - P.18-21.
 37. Klimenko, L. L., Skalny, A. V., Turna, A. A., Tinkov, A. A., Budanova, M. N., Baskakov, I. S., Savostina, M. S., Mazilina, A. N., Deev, A. I., Nikonorov, A. A. (2015). Serum Trace Element Profiles, Prolactin, and Cortisol in Transient Ischemic Attack Patients. *Biological Trace Element Research*. - 2015. - V. 172(1). - P. 93-100
 38. Skalnaya M.G., Tinkov A.A., Demidov V.A., Serebryansky E.P., Nikonorov A.A., Skalny A.V. Hair ultra-trace elements in relation to age and body mass index in adult women // *Journal of Elementology*. - 2016. - V. 21(1). - P. 211-220
 39. Tinkov, A. A., Nemereshina, O. N., Suliburska, J., Gatiatulina, E. R., Regula, J., Nikonorov, A. A., Skalny, A. V. Comparative Analysis of the Trace Element Content of the Leaves and Roots of Three *Plantago* Species // *Biological Trace Element Research*. - 2016. - V. 173(1). - P. 225-30.
 40. Tinkov A. A., Popova, E. V., Gatiatulina, E. R., Skalnaya, A. A., Yakovenko, E. N., Alchinova, I. B., Skalny A.V., Nikonorov, A. A. Decreased adipose tissue zinc content is associated with metabolic parameters in high fat fed Wistar rats // *Acta Scientiarum Polonorum Technologia Alimentaria*. - 2016. - V. 15(1). - P. 99-105.
 41. Kudabayeva K.I., Koshmaganbetova G.K., Mickuviene N, Skalnaya M.G., Tinkov A.A., Skalny A.V. Hair Trace Elements are Associated with Increased Thyroid Volume in Schoolchildren with Goiter // *Biological Trace Element Research*. - 2016. - V. 174(2). - P. 261-266.
 42. Crăciun, E. C., Bjørklund, G., Tinkov, A. A., Urbina, M. A., Skalny, A. V., Rad, F., Dronca, E. Evaluation of whole blood zinc and copper levels in children with autism spectrum disorder // *Metabolic Brain Disease*. - 2016. - V. 31(4). - P. 887-90.
 43. Skalny A. V., Berezkina E. S., Grabeklis A. R., Kiyaveva E.V., Tinkov A. A. Hair trace elements in women with alcohol abuse and their offspring // *Trace Elements and Electrolytes*. - 2016. - V. 33(4). - P. 144-147
 44. Skalny, A. V., Skalnaya, M. G., Bjørklund, G., Nikonorov, A. A., Tinkov, A. A. Mercury as a possible link between maternal obesity and autism spectrum disorder. // *Medical Hypotheses*. - 2016. - V. 91. - P. 90-94

45. Tinkov, A. A., Gatiatulina, E. R., Popova, E. V., Polyakova, V. S., Skalnaya, A. A., Agletdinov, E. F., Nikonorov, A. A., Skalny, A. V. Early High-Fat Feeding Induces Alteration of Trace Element Content in Tissues of Juvenile Male Wistar Rats // *Biological Trace Element Research*. – 2016. – V. 175(2). – P. 367-374.
46. Skalny, A. V., Simashkova, N. V., Klyushnik, T. P., Grabeklis, A. R., Radysh, I. V., Skalnaya, M. G., Tinkov, A. A. Analysis of Hair Trace Elements in Children with Autism Spectrum Disorders and Communication Disorders. *Biological Trace Element Research*. – 2016. – V. 177(2). – P. 215-223.
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