

LIST OF MENTHORS FOR YOUNG RESEARCHERS FOR 2008

n	FIELDS OF SCIENCE		CODE OF RESEARCHER	SURNAME AND NAME	RESEARCH AREA	E-NASLOV
	Natural sciences					
1	1.02	Physics	04540	Mihailović Dragan D.	Dynamics of complex functional states	dragan.mihailovic@ijs.si
2	1.02	Physics	03947	Starič Marko	Experimental particle physics/ Measurement of D0 mixing and search for CP violation	marko.staric@ijs.si
3	1.02	Physics	04763	Mikuž Marko	Experimental particle physics/ Analysis of proton proton collisions at 14 TeV energy with the ATLAS detector	marko.mikuz@ijs.si
4	1.02	Physics	18278	Kerševan Borut Paul	Experimental Particle Physics/ Search for 'New Physics' signals with the ATLAS detector, CERN, Geneva	borut.kersevan@ijs.si
5	1.02	Physics	07560	Remškar Maja	Structural characterization of transition metal nanomaterials	maja.remskar@ijs.si
6	1.02	Physics	14080	Arčon Denis	Magneto resonant study of magnetic properties in antiferromagnetic systems: from nano to bulk	denis.arcon@ijs.si
7	1.02	Physics	14130	Fajfer Svjetlana	Search for new physics in heavy quark physics	svjetlana.fajfer@ijs.si
8	1.02	Physics	04544	Ramšak Anton	Solid state physics, nanophysics, theory/ Quantum entanglement in nanosystems	anton.ramsak@ijs.si
9	1.02	Physics	07527	Zalar Boštjan	Condensed matter physics / Liquid crystal elastomers/ Physical properties of composites based on liquid crystal elastomers and electrically active nanoparticles	bostjan.zalar@ijs.si
10	1.03	Biology	07673	Kordiš Dušan	Comparative genomics of mammalian retroelement-derived neogenes	dusan.kordis@ijs.si
11	1.04	Chemistry	08314	Milačić Radmila	Environmental analytical chemistry, development of analytical procedures for determination of trace elements in surface and marine waters by the use of ICP-MS	radmila.milacic@ijs.si
12	1.04	Chemistry	01063	Žemva Boris	Inorganic chemistry with a special emphasis on the synthesis of binary and complex fluorides with the metal in high oxidation states	boris.zemva@ijs.si
13	1.04	Chemistry	15288	Mrzel Aleš	Synthesis and characterisation of novel nanostructures based on transition metals	ales.mrzel@ijs.si
14	1.04	Chemistry	06058	Stavber Stojan	Green organic chemistry/ Halogenation of organic compounds in water or under solvent free conditions; reactions and mechanisms	stojan.stavber@ijs.si

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15	1.05	Biochemisty and molecular biology	01085	Turk Vito	Proteases in cancer and apoptosis	vito.turk@ijs.si
16	1.06	Geology	10807	Lojen Sonja	Investigation of isotope composition and geochemical parameters in tufas palaeoenvironmental proxies	sonja.lojen@ijs.si
17	1.06	Geology	19030	Šturm Sašo	Geology: mineralogy, petrology, geochemistry/Paleo-reconstruction of geological environments by employing structural-chemistry studies and methods for modeling the crystallization processes of technologically important minerals	saso.sturm@ijs.si
18	1.08	Environment protection	05027	Horvat Milena	Environment and health/ Biochemical markers of exposure to neurotoxic compounds	milena.horvat@ijs.si
	Engineering					
19	2.03	Electrical technology	02852	Mavko Borut	Research of Thermal-Hydraulic Processes and Structural Integrity in Nuclear Engineering	borut.mavko@ijs.si
20	2.03	Electrical technology	08945	Smodiš Borut	Miration of radionuclides in the environment as consequence of activities related to energy cycles	borut.smodis@ijs.si
21	2.03	Electrical technology	07025	Cizelj Leon	Ageing of nuclear power plant components important for safety	leon.cizelj@ijs.si
22	2.04	Material science	18271	Čekada Miha	Hard protective coatings/ Superhard self-lubricating coating based on AlMgB14 for enhancing extrusion, casting and forging dies lifetime	miha.cekada@ijs.si
23	2.04	Material science	04292	Novak Krmpotič Saša	Nanostructured Materials/ The development of SiC-based composites for extreme environments	sasa.novak@ijs.si
24	2.04	Material science	06627	Bernik Slavko	ZnO nanostructures and ZnO-based ceramics for electronics	slavko.bernik@ijs.si
25	2.04	Material science	02556	Dražić Goran	Study of self-assembled nanostructures based on TiO2	goran.drazic@ijs.si
26	2.04	Material science	17100	Krnel Kristoffer	Synthesis of nano-structured ceramic coatings by controlled precipitation	kristof.krnel@ijs.si
27	2.06	Systems and cybernetics	14676	Mekjavić Igor	Factors affecting human survival in cold and hypoxic environments	igor.mekjavic@ijs.si
28	2.07	Computer science	16302	Gams Matjaž	Intelligent systems, artificial intelligence, ambiantal intelligence	matjaz.gams@ijs.si

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29	2.07	Computer science	12570	Mladenić Dunja	Machine Intelligence through Semantic Systems and Machine Learning	dunja.mladenic@ijs.si
30	2.07	Computer science	09862	Šilc Jurij	Distributed stigmergic optimization algorithms in a dynamically reconfigurable computing systems	jurij.silc@ijs.si
31	2.08	Telecommunication engineering	01075	Tasič Jurij	Telecommunications-biometrics/ Behavioural Pattern recognition in medical signals and images	jurij.tasic@ijs.si
32	2.08	Telecommunication engineering	05209	Kandus Gorazd	Modeling and simulation of radio transmission in wireless broadband communication systems	gorazd.kandus@ijs.si
33	2.09	Electronics	06423	Holc Janez	Materials for electronics components-Processing of ceramic Microelectromechanical systems (MEMS) by novel technologies	janez.holc@ijs.si
34	2.09	Electronics	04587	Malič Barbara	Functional properties of thin films based on environment friendly complex perovskite materials: dependence on microstructure and chemical homogeneity	barbara.malic@ijs.si
35	2.10	Production technologies and systems	03332	Žlajpah Leon	Modern control strategies for robot s cooperating with humans in their environment	leon.zlajpah@ijs.si
Medical sciences						
36	3.01	Microbiology and immunology	10502	Kopitar Jerala Nataša	Microbiology/ Immunology; Role of nuclear cystatins in cells of the immune system	natasa.kopitar@ijs.si
37	3.04	Oncology	04570	Pungerčar Jože	Oncology / Biochemistry and Molecular Biology-The role of secretory phospholipases A2 in breast cancer	joze.pungercar@ijs.si
38	3.04	Oncology	01411	Šlejkovec Zdenka	Metabolism of arsenic trioxide in various cancer cells	zdenka.slejkovec@ijs.si
39	3.06	Cardiovascular system	00412	Križaj Igor	Proteins of the long-nosed viper venom acting on haemostasis – development of innovative biomedical antitrombotics	igor.krizaj@ijs.si
40	3.06	Cardiovascular system	12056	Serša Igor	Magnetic Resonance Imaging and Mathematical Modeling of Blood Clot Dissolution	igor.sersa@ijs.si
Biotechnical sciences						
41	4.06	Biotechnology	05265	Brzin Jože	The role and regulation of proteases engaged in the immune response	joze.brzin@ijs.si

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	Interdisciplinarne raziskave					
42	7	Interdisciplinary studies	02586	Korun Matjaž Aleš	Study of natural and artificial radioactive substances for determination of natural backgrounds and vulnerability of subterranean waters	matjaz.korun@ijs.si
43	7	Interdisciplinary studies	01119	Šentjerc Marjeta	Membrane biophysics/ Influence of membrane domain structure on the interaction between model and real membranes as studied by electron spin resonance and fluorescence micro- spectroscopy	marjeta.sentjerc@ijs.si
44	7	Interdisciplinary studies	12314	Pelicon Primož	Application of high energy ion microbeam for fusion research and biology	primoz.pelicon@ijs.si