

## **Anexa 1 - Domenii științifice**

### **Physical Sciences and Engineering**

#### **PE1 Mathematics**

All areas of mathematics, pure and applied, plus mathematical foundations of computer science, mathematical physics and statistics

PE1\_1 Logic and foundations

PE1\_2 Algebra

PE1\_3 Number theory

PE1\_4 Algebraic and complex geometry

PE1\_5 Lie groups, Lie algebras

PE1\_6 Geometry and global analysis

PE1\_7 Topology

PE1\_8 Analysis

PE1\_9 Operator algebras and functional analysis

PE1\_10 ODE and dynamical systems

PE1\_11 Theoretical aspects of partial differential equations

PE1\_12 Mathematical physics

PE1\_13 Probability

PE1\_14 Mathematical statistics

PE1\_15 Generic statistical methodology and modelling

PE1\_16 Discrete mathematics and combinatorics

PE1\_17 Mathematical aspects of computer science

PE1\_18 Numerical analysis

PE1\_19 Scientific computing and data processing

PE1\_20 Control theory, optimisation and operational research

PE1\_21 Application of mathematics in sciences

PE1\_22 Application of mathematics in industry and society

#### **PE2 Fundamental Constituents of Matter**

Particle, nuclear, plasma, atomic, molecular, gas, and optical physics

PE2\_1 Theory of fundamental interactions

PE2\_2 Phenomenology of fundamental interactions

PE2\_3 Experimental particle physics with accelerators

PE2\_4 Experimental particle physics without accelerators

PE2\_5 Classical and quantum physics of gravitational interactions

PE2\_6 Nuclear, hadron and heavy ion physics

PE2\_7 Nuclear and particle astrophysics

PE2\_8 Gas and plasma physics

PE2\_9 Electromagnetism

PE2\_10 Atomic, molecular physics

PE2\_11 Ultra-cold atoms and molecules

PE2\_12 Optics, non-linear optics and nano-optics

PE2\_13 Quantum optics and quantum information

- PE2\_14 Lasers, ultra-short lasers and laser physics
- PE2\_15 Thermodynamics
- PE2\_16 Non-linear physics
- PE2\_17 Metrology and measurement
- PE2\_18 Equilibrium and non-equilibrium statistical mechanics: steady states and dynamics

### **PE3 Condensed Matter Physics**

Structure, electronic properties, fluids, nanosciences, biological physics

- PE3\_1 Structure of solids, material growth and characterisation
- PE3\_2 Mechanical and acoustical properties of condensed matter, lattice dynamics
- PE3\_3 Transport properties of condensed matter
- PE3\_4 Electronic properties of materials, surfaces, interfaces, nanostructures
- PE3\_5 Physical properties of semiconductors and insulators
- PE3\_6 Macroscopic quantum phenomena, e.g. superconductivity, superfluidity, quantum Hall effect
- PE3\_7 Spintronics
- PE3\_8 Magnetism and strongly correlated systems
- PE3\_9 Condensed matter – beam interactions (photons, electrons etc.)
- PE3\_10 Nanophysics, e.g. nanoelectronics, nanophotonics, nanomagnetism, nanoelectromechanics
- PE3\_11 Mesoscopic quantum physics and solid-state quantum technologies
- PE3\_12 Molecular electronics
- PE3\_13 Structure and dynamics of disordered systems, e.g. soft matter (gels, colloids, liquid crystals), granular matter, liquids, glasses, defects
- PE3\_14 Fluid dynamics (physics)
- PE3\_15 Statistical physics: phase transitions, condensed matter systems, models of complex systems, interdisciplinary applications
- PE3\_16 Physics of biological systems

### **PE4 Physical and Analytical Chemical Sciences**

Analytical chemistry, chemical theory, physical chemistry/chemical physics

- PE4\_1 Physical chemistry
- PE4\_2 Spectroscopic and spectrometric techniques
- PE4\_3 Molecular architecture and Structure
- PE4\_4 Surface science and nanostructures
- PE4\_5 Analytical chemistry
- PE4\_6 Chemical physics
- PE4\_7 Chemical instrumentation
- PE4\_8 Electrochemistry, electrodialysis, microfluidics, sensors
- PE4\_9 Method development in chemistry
- PE4\_10 Heterogeneous catalysis
- PE4\_11 Physical chemistry of biological systems
- PE4\_12 Chemical reactions: mechanisms, dynamics, kinetics and catalytic reactions
- PE4\_13 Theoretical and computational chemistry
- PE4\_14 Radiation and Nuclear chemistry
- PE4\_15 Photochemistry
- PE4\_16 Corrosion

PE4\_17 Characterisation methods of materials

PE4\_18 Environment chemistry

### **PE5 Synthetic Chemistry and Materials**

New materials and new synthetic approaches, structure-properties relations, solid state chemistry, molecular architecture, organic chemistry

PE5\_1 Structural properties of materials

PE5\_2 Solid state materials chemistry

PE5\_3 Surface modification

PE5\_4 Thin films

PE5\_5 Ionic liquids

PE5\_6 New materials: oxides, alloys, composite, organic-inorganic hybrid, nanoparticles

PE5\_7 Biomaterials synthesis

PE5\_8 Intelligent materials synthesis – self assembled materials

PE5\_9 Coordination chemistry

PE5\_10 Colloid chemistry

PE5\_11 Biological chemistry and chemical biology

PE5\_12 Chemistry of condensed matter

PE5\_13 Homogeneous catalysis

PE5\_14 Macromolecular chemistry

PE5\_15 Polymer chemistry

PE5\_16 Supramolecular chemistry

PE5\_17 Organic chemistry

PE5\_18 Medicinal chemistry

### **PE6 Computer Science and Informatics**

Theoretical and experimental computer science, information processing, intelligent systems

PE6\_1 Computer architecture, high-performance computing, real-time and embedded systems

PE6\_2 Operating and distributed systems, computer networks and performance evaluation, mobile computing

PE6\_3 Software engineering, programming languages

PE6\_4 Theory of computation, semantics of computation, formal methods

PE6\_5 Algorithms, complexity theory, algorithmic game theory and computational economics

PE6\_6 Security, privacy, cryptology

PE6\_7 Databases, web and information systems, information retrieval

PE6\_8 Artificial intelligence, autonomous agents, knowledge representation

PE6\_9 Machine learning, statistical data processing, computing with artificial neural networks

PE6\_10 Natural language processing, large language and other foundation models

PE6\_11 Computer vision, computer graphics, visualization

PE6\_12 Human computer interaction, multimedia and virtual reality, computer games

PE6\_13 Numerical and scientific computing, computational modelling and simulation methods, bioinformatics

PE6\_14 New computational paradigms, quantum computing, bio-inspired computing

## **PE7 Systems and Communication Engineering**

Electrical, electronic, communication, optical and systems engineering

PE7\_1 Control engineering

PE7\_2 Electrical engineering: power components and/or systems

PE7\_3 Simulation engineering and modelling

PE7\_4 (Micro- and nano-) systems engineering

PE7\_5 (Micro- and nano-) electronic, optoelectronic and photonic components

PE7\_6 Communication systems, wireless technology, high-frequency technology

PE7\_7 Signal processing

PE7\_8 Networks, e.g. communication networks and nodes, Internet of Things, sensor networks, networks of robots

PE7\_9 Man-machine interfaces

PE7\_10 Robotics

PE7\_11 Components and systems for applications (in e.g. medicine, biology, environment)

PE7\_12 Electrical energy production, distribution, applications

## **PE8 Products and Processes Engineering**

Product and process design, chemical, civil, environmental, mechanical, vehicle engineering, energy processes and relevant computational methods

PE8\_1 Aerospace engineering

PE8\_2 Chemical engineering, technical chemistry

PE8\_3 Civil engineering, architecture, offshore construction, lightweight construction, geotechnics

PE8\_4 Computational engineering

PE8\_5 Fluid mechanics

PE8\_6 Energy processes engineering

PE8\_7 Mechanical engineering

PE8\_8 Propulsion engineering, e.g. hydraulic, turbo, piston, hybrid engines

PE8\_9 Production technology, process engineering

PE8\_10 Manufacturing engineering and industrial design

PE8\_11 Environmental engineering, e.g. sustainable design, waste and water treatment, recycling, regeneration or recovery of compounds, carbon capture & storage

PE8\_12 Naval/marine engineering

PE8\_13 Automotive and rail engineering; multi-/inter-modal transport engineering

## **PE9 Universe Sciences**

Astro-physics/-chemistry/-biology; solar system; planetary systems; stellar, galactic and extragalactic astronomy; cosmology; space sciences; astronomical instrumentation and data

PE9\_1 Solar physics – the Sun and the heliosphere

PE9\_2 Solar system science

PE9\_3 Exoplanetary science, formation and characterization of extrasolar planets

PE9\_4 Astrobiology

PE9\_5 Interstellar medium and star formation

PE9\_6 Stars – stellar physics, stellar systems

PE9\_7 The Milky Way

PE9\_8 Galaxies – formation, evolution, clusters

- PE9\_9 Cosmology and large-scale structure, dark matter, dark energy
- PE9\_10 Relativistic astrophysics and compact objects
- PE9\_11 Gravitational wave astronomy
- PE9\_12 High-energy and particle astronomy
- PE9\_13 Astronomical instrumentation and data, telescopes, detectors, techniques, archives, analyses

### **PE10 Earth System Science**

Physical geography, geology, geophysics, atmospheric sciences, oceanography, climatology, cryology, ecology, global environmental change, biogeochemical cycles, natural resources management

- PE10\_1 Atmospheric chemistry, atmospheric composition, air pollution
- PE10\_2 Meteorology, atmospheric physics and dynamics
- PE10\_3 Climatology and climate change
- PE10\_4 Terrestrial ecology, land cover change
- PE10\_5 Geology, tectonics, volcanology
- PE10\_6 Palaeoclimatology, palaeoecology
- PE10\_7 Physics of earth's interior, seismology, geodynamics
- PE10\_8 Oceanography (physical, chemical, biological, geological)
- PE10\_9 Biogeochemistry, biogeochemical cycles, environmental chemistry
- PE10\_10 Mineralogy, petrology, igneous petrology, metamorphic petrology
- PE10\_11 Geochemistry, cosmochemistry, crystal chemistry, isotope geochemistry, thermodynamics
- PE10\_12 Sedimentology, soil science, palaeontology, earth evolution
- PE10\_13 Physical geography, geomorphology
- PE10\_14 Earth observations from space/remote sensing
- PE10\_15 Geomagnetism, palaeomagnetism
- PE10\_16 Ozone, upper atmosphere, ionosphere
- PE10\_17 Hydrology, hydrogeology, engineering and environmental geology, water and soil pollution
- PE10\_18 Cryosphere, dynamics of snow and ice cover, sea ice, permafrosts and ice sheets
- PE10\_19 Planetary geology and geophysics
- PE10\_20 Geohazards
- PE10\_21 Earth system modelling and interactions

### **PE11 Materials Engineering**

Advanced materials development: performance enhancement, modelling, large-scale preparation, modification, tailoring, optimisation, novel and combined use of materials etc.

- PE11\_1 Engineering of biomaterials, biomimetic, bioinspired and bio-enabled materials
- PE11\_2 Engineering of metals and alloys
- PE11\_3 Engineering of ceramics and glasses
- PE11\_4 Engineering of polymers and plastics
- PE11\_5 Engineering of composites and hybrid materials
- PE11\_6 Engineering of carbon materials
- PE11\_7 Engineering of metal oxides
- PE11\_8 Engineering of alternative established or emergent materials
- PE11\_9 Nanomaterials engineering, e.g. nanoparticles, nanoporous materials, 1D&2D nanomaterials
- PE11\_10 Soft materials engineering, e.g. gels, foams, colloids

- PE11\_11 Porous materials engineering, e.g. covalent-organic, metal-organic, porous aromatic frameworks
- PE11\_12 Semi-conducting and magnetic materials engineering
- PE11\_13 Metamaterials engineering
- PE11\_14 Computational methods for materials engineering

## **Life Sciences**

### **LS1 Molecules of Life: Biological Mechanisms, Structures and Functions**

*For all organisms:* Molecular biology, biochemistry, structural biology, molecular biophysics, synthetic and chemical biology, drug design, innovative methods and modelling

- LS1\_1 Macromolecular complexes including interactions involving nucleic acids, proteins, lipids and carbohydrates
- LS1\_2 Biochemistry
- LS1\_3 DNA and RNA biology
- LS1\_4 Protein biology
- LS1\_5 Lipid biology
- LS1\_6 Glycobiology
- LS1\_7 Molecular biophysics, biomechanics, bioenergetics
- LS1\_8 Structural biology
- LS1\_9 Molecular mechanisms of signalling processes
- LS1\_10 Synthetic biology
- LS1\_11 Chemical biology
- LS1\_12 Protein design
- LS1\_13 Early translational research and drug design
- LS1\_14 Innovative methods and modelling in molecular, structural and synthetic biology

### **LS2 Integrative Biology: from Genes and Genomes to Systems**

*For all organisms:* Genetics, epigenetics, genomics and other 'omics studies, bioinformatics, systems biology, genetic diseases, gene editing, innovative methods and modelling, 'omics for personalised medicine

- LS2\_1 Genetics
- LS2\_2 Gene editing
- LS2\_3 Epigenetics
- LS2\_4 Gene regulation
- LS2\_5 Genomics
- LS2\_6 Metagenomics
- LS2\_7 Transcriptomics
- LS2\_8 Proteomics
- LS2\_9 Metabolomics
- LS2\_10 Glycomics/Lipidomics
- LS2\_11 Bioinformatics and computational biology
- LS2\_12 Biostatistics
- LS2\_13 Systems biology
- LS2\_14 Genetic diseases

LS2\_15 Integrative biology for personalised medicine  
LS2\_16 Innovative methods and modelling in integrative biology

### **LS3 Cell Biology, Development, Stem Cells and Regeneration**

*For all organisms:* Structure and function of the cell, cell-cell communication, embryogenesis, tissue differentiation, organogenesis, growth, development, evolution of development, organoids, stem cells, regeneration, therapeutic approaches

LS3\_1 Cell cycle, cell division and growth  
LS3\_2 Cell senescence, cell death, autophagy, cell ageing  
LS3\_3 Cell behaviour, including control of cell shape, cell migration  
LS3\_4 Cell junctions, cell adhesion, the extracellular matrix, cell communication  
LS3\_5 Cell signalling and signal transduction, exosome biology  
LS3\_6 Organelle biology and trafficking  
LS3\_7 Mechanobiology of cells, tissues and organs  
LS3\_8 Embryogenesis, pattern formation, morphogenesis  
LS3\_9 Cell differentiation, formation of tissues and organs  
LS3\_10 Developmental genetics  
LS3\_11 Evolution of developmental strategies  
LS3\_12 Organoids  
LS3\_13 Stem cells  
LS3\_14 Regeneration  
LS3\_15 Development of cell-based therapeutic approaches for tissue regeneration  
LS3\_16 Functional imaging of cells and tissues  
LS3\_17 Theoretical modelling in cellular, developmental and regenerative biology

### **LS4 Physiology in Health, Disease and Ageing**

Organ and tissue physiology, comparative physiology, physiology of ageing, pathophysiology, inter-organ and tissue communication, endocrinology, nutrition, metabolism, interaction with the microbiome, non-communicable diseases including cancer (and except disorders of the nervous system and immunity-related diseases)

LS4\_1 Organ and tissue physiology and pathophysiology  
LS4\_2 Comparative physiology  
LS4\_3 Physiology of ageing  
LS4\_4 Endocrinology  
LS4\_5 Non-hormonal mechanisms of inter-organ and tissue communication  
LS4\_6 Microbiome and host physiology  
LS4\_7 Nutrition and exercise physiology  
LS4\_8 Impact of stress (including environmental stress) on physiology  
LS4\_9 Metabolism and metabolic disorders, including diabetes and obesity  
LS4\_10 The cardiovascular system and cardiovascular diseases  
LS4\_11 Haematopoiesis and blood diseases  
LS4\_12 Cancer  
LS4\_13 Other non-communicable diseases (except disorders of the nervous system and immunity-related diseases)

## **LS5 Neuroscience and Disorders of the Nervous System**

Nervous system development, homeostasis and ageing, nervous system function and dysfunction, systems neuroscience and modelling, biological basis of cognitive processes and of behaviour, neurological and mental disorders – In humans and all other organisms

LS5\_1 Neuronal cells

LS5\_2 Glial cells and neuronal-glia communication

LS5\_3 Neural development and related disorders

LS5\_4 Neural stem cells

LS5\_5 Neural networks and plasticity

LS5\_6 Neurovascular biology and blood-brain barrier

LS5\_7 Sensory systems, sensation and perception, including pain

LS5\_8 Neural basis of behaviour (e.g. sleep, consciousness, addiction)

LS5\_9 Neural basis of cognition (e.g. learning, memory, attention, emotions, speech)

LS5\_10 Ageing of the nervous system

LS5\_11 Neurological and neurodegenerative disorders

LS5\_12 Mental disorders

LS5\_13 Nervous system injuries and trauma, stroke

LS5\_14 Repair and regeneration of the nervous system

LS5\_15 Neuroimmunology, neuroinflammation

LS5\_16 Systems and computational neuroscience (e.g. modelling, simulation, brain oscillations, connectomics)

LS5\_17 Imaging in neuroscience

LS5\_18 Innovative methods and tools for neuroscience

## **LS6 Immunity, Infection and Immunotherapy**

The immune system, related disorders and their mechanisms, biology of infectious agents and infection, biological basis of prevention and treatment of infectious diseases, innovative immunological tools and approaches, including therapies

LS6\_1 Innate immunity

LS6\_2 Adaptive immunity

LS6\_3 Regulation of the immune response

LS6\_4 Immune-related diseases

LS6\_5 Biology of pathogens (e.g. bacteria, viruses, parasites, fungi)

LS6\_6 Infectious diseases

LS6\_7 Mechanisms of infection

LS6\_8 Biological basis of prevention and treatment of infection

LS6\_9 Antimicrobials, antimicrobial resistance

LS6\_10 Vaccine development

LS6\_11 Innovative immunological tools and approaches, including therapies

## **LS7 Prevention, Diagnosis and Treatment of Human Diseases**

Medical technologies and tools for prevention, diagnosis and treatment of human diseases, therapeutic approaches and interventions, pharmacology, preventative medicine, epidemiology and public health, digital medicine

LS7\_1 Medical imaging for prevention, diagnosis and monitoring of diseases

LS7\_2 Medical technologies and tools (including genetic tools and biomarkers) for prevention, diagnosis, monitoring and treatment of diseases  
LS7\_3 Nanomedicine  
LS7\_4 Regenerative medicine  
LS7\_5 Applied gene, cell and immune therapies  
LS7\_6 Other medical therapeutic interventions, including transplantation  
LS7\_7 Pharmacology and toxicology  
LS7\_8 Effectiveness of interventions, including resistance to therapies  
LS7\_9 Public health and epidemiology  
LS7\_10 Preventative and prognostic medicine  
LS7\_11 Environmental health, occupational medicine  
LS7\_12 Health care, including care for the ageing population  
LS7\_13 Palliative medicine  
LS7\_14 Digital medicine, e-medicine, medical applications of artificial intelligence  
LS7\_15 Medical ethics

### **LS8 Environmental Biology, Ecology and Evolution**

*For all organisms:* Ecology, biodiversity, environmental change, evolutionary biology, behavioural ecology, microbial ecology, marine biology, ecophysiology, theoretical developments and modelling

LS8\_1 Ecosystem and community ecology, macroecology  
LS8\_2 Biodiversity  
LS8\_3 Conservation biology  
LS8\_4 Population biology, population dynamics, population genetics  
LS8\_5 Biological aspects of environmental change, including climate change  
LS8\_6 Evolutionary ecology  
LS8\_7 Evolutionary genetics  
LS8\_8 Phylogenetics, systematics, comparative biology  
LS8\_9 Macroevolution and paleobiology  
LS8\_10 Ecology and evolution of species interactions  
LS8\_11 Behavioural ecology and evolution  
LS8\_12 Microbial ecology and evolution  
LS8\_13 Marine biology and ecology  
LS8\_14 Ecophysiology, from organisms to ecosystems  
LS8\_15 Theoretical developments and modelling in environmental biology, ecology, and evolution

### **LS9 Biotechnology and Biosystems Engineering**

Biotechnology using all organisms, biotechnology for environment and food applications, applied plant and animal sciences, bioengineering and synthetic biology, biomass and biofuels, biohazards

LS9\_1 Bioengineering for synthetic and chemical biology  
LS9\_2 Applied genetics, gene editing and transgenic organisms  
LS9\_3 Bioengineering of cells, tissues, organs and organisms  
LS9\_4 Microbial biotechnology and bioengineering  
LS9\_5 Food biotechnology and bioengineering  
LS9\_6 Marine biotechnology and bioengineering  
LS9\_7 Environmental biotechnology and bioengineering

LS9\_8 Applied plant sciences, plant breeding, agroecology and soil biology  
LS9\_9 Plant pathology and pest resistance  
LS9\_10 Veterinary and applied animal sciences  
LS9\_11 Biomass production and utilisation, biofuels  
LS9\_12 Ecotoxicology, biohazards and biosafety

## **Social Sciences and Humanities**

### **SH1 Individuals, Markets and Organisations**

Economics, finance, management

SH1\_1 Macroeconomics; monetary economics; economic growth, labour economics  
SH1\_2 International trade; international business; spatial economics  
SH1\_3 Development economics political economics  
SH1\_4 Finance; financial markets  
SH1\_5 Corporate finance; international finance  
SH1\_6 Banking, insurance  
SH1\_7 Accounting, asset prices, auditing  
SH1\_8 Econometrics, game theory, decision theory  
SH1\_9 Behavioural economics; experimental economics; neuro-economics  
SH1\_10 Microeconomics, industrial organisation, applied microeconomics  
SH1\_11 Innovation, research & development, entrepreneurship  
SH1\_12 Management; operations management, international management  
SH1\_13 Human resource management; organisational behaviour  
SH1\_14 Strategy, operation research  
SH1\_15 Marketing, consumer behaviour  
SH1\_16 Quantitative economic history, economic systems, institutional economics

### **SH2 Institutions, Governance and Legal Systems**

Political science, international relations, law

SH2\_1 Political systems, governance  
SH2\_2 Democratisation and social movements  
SH2\_3 Conflict resolution, war, peace building  
SH2\_4 Legal studies, comparative law, law and economics  
SH2\_5 Constitutions, human rights, international law  
SH2\_6 International relations, global and transnational governance  
SH2\_7 Humanitarian assistance and development  
SH2\_8 Political and legal philosophy  
SH2\_9 Digital approaches to political science and law

### **SH3 The Social World and Its Interactions**

Sociology, social psychology, education sciences, communication studies

SH3\_1 Social structure, social mobility, social innovation  
SH3\_2 Inequalities, discrimination, prejudice  
SH3\_3 Aggression and violence, antisocial behaviour, crime  
SH3\_4 Social integration, exclusion, prosocial behaviour

- SH3\_5 Social attitudes and beliefs
- SH3\_6 Social influence; power and group behaviour
- SH3\_7 Social policies, welfare, work and employment
- SH3\_8 Poverty and poverty alleviation
- SH3\_9 Social aspects of teaching and learning, curriculum studies, education and educational policies
- SH3\_10 Communication and information, networks, media
- SH3\_11 Digital social research
- SH3\_12 Social studies of science and technology

#### **SH4 The Human Mind and Its Complexity**

Cognitive science, psychology, linguistics

- SH4\_1 Cognitive basis of human development, developmental disorders; comparative cognition
- SH4\_2 Personality and social cognition; emotion
- SH4\_3 Clinical and health psychology
- SH4\_4 Neurocognitive psychology
- SH4\_5 Attention, perception, action, consciousness
- SH4\_6 Learning, memory; cognition in ageing
- SH4\_7 Reasoning, decision-making; intelligence
- SH4\_8 Language learning and processing (first and second languages)
- SH4\_9 Theoretical linguistics; computational linguistics
- SH4\_10 Language typology; historical linguistics
- SH4\_11 Pragmatics, sociolinguistics, linguistic anthropology, discourse analysis

#### **SH5 Texts and Concepts**

Literary studies, literature, philosophy

- SH5\_1 Classics, ancient literature
- SH5\_2 Theory and history of literature, comparative literature
- SH5\_3 Book studies
- SH5\_4 Philology; text and image studies
- SH5\_5 Palaeography and codicology
- SH5\_6 Philosophy of mind, philosophy of language
- SH5\_7 Philosophy of science, epistemology, logic
- SH5\_8 Metaphysics, philosophical anthropology; aesthetics
- SH5\_9 Ethics and its applications; social philosophy
- SH5\_10 History of philosophy
- SH5\_11 Digital humanities; digital approaches to literary studies and philosophy

#### **SH6 The Study of the Human Past**

Archaeology and history

- SH6\_1 Archaeological methods and theory, history of archaeology
- SH6\_2 Prehistoric archaeology, archaeology of non-literate societies
- SH6\_3 Archaeology of early literate societies and early civilizations
- SH6\_4 Medieval and post-medieval archaeologies
- SH6\_5 Archaeological science, bioarchaeology, environmental archaeology, geoarchaeology
- SH6\_6 Digital, computational, virtual and geospatial archaeologies

SH6\_7 Historiography, theory and methods of history, including the analysis of digital data  
SH6\_8 Ancient history, medieval history  
SH6\_9 Early modern, modern, and contemporary history  
SH6\_10 Colonial and post-colonial history  
SH6\_11 Global, transnational, and comparative history  
SH6\_12 Social and economic history  
SH6\_13 Cultural history, intellectual history  
SH6\_14 History of science and technologies, environmental history

### **SH7 Human Mobility, Environment, and Space**

Human geography, demography, health, sustainability science, territorial planning, spatial analysis

SH7\_1 Human, economic and social geography  
SH7\_2 Migration  
SH7\_3 Population dynamics: households, family and fertility  
SH7\_4 Social aspects of health, ageing and society  
SH7\_5 Sustainability sciences, environment and resources, ecosystem services  
SH7\_6 Environmental and climate change, societal impact and policy  
SH7\_7 Cities; urban, regional and rural studies  
SH7\_8 Land use and planning  
SH7\_9 Energy, transportation and mobility  
SH7\_10 GIS, spatial analysis; digital geography

### **SH8 Studies of Cultures and Arts**

Social anthropology, studies of cultures, studies of arts

SH8\_1 Kinship; diversity and identities, gender, interethnic relations  
SH8\_2 Religious studies, ritual; symbolic representation  
SH8\_3 Cultural studies and theory, cultural identities and memories, cultural heritage  
SH8\_4 Museums, exhibitions, conservation and restoration  
SH8\_5 History of art and of architecture  
SH8\_6 Architecture, design, craft, creative industries  
SH8\_7 Music and musicology; history of music  
SH8\_8 Visual and performing arts, screen, arts-based research  
SH8\_9 Digital approaches to anthropology, cultural studies and art

**Domeniile de cercetare cu specific românesc** sunt limba și literatura română și dreptul românesc. Comisiile de Științe Umaniste și de Științe Sociale ale CNCS vor examina aplicațiile depuse în limba română și se vor pronunța cu privire la justificarea folosirii acesteia.

*Lista domeniilor științifice în interiorul cărora proiectele sunt ierarhizate*

<b>Domeniu</b>	<b>Arii de cercetare</b>
<b>Matematică</b>	PE1_1; PE1_2; PE1_3; PE1_4; PE1_5; PE1_6; PE1_7; PE1_8; PE1_9; PE1_10; PE1_11; PE1_12; PE1_13; PE1_14; PE1_15; PE1_16; PE1_17; PE1_18; PE1_19; PE1_20; PE1_21; PE1_22.
<b>Informatică, calculatoare și tehnologia informației</b>	PE6_1; PE6_2; PE6_3; PE6_4; PE6_5; PE6_6; PE6_7; PE6_8; PE6_9; PE6_10; PE6_11; PE6_12; PE6_13; PE6_14.
<b>Chimie</b>	PE4_1; PE4_2; PE4_3; PE4_5; PE4_6; PE4_7; PE4_8; PE4_9; PE4_11; PE4_12; PE4_13; PE4_14; PE4_15; PE4_18; PE5_9; PE5_11; PE5_13; PE5_16; PE5_17; PE5_18; PE11_9; PE11_11.
<b>Fizică</b>	PE2_1; PE2_2; PE2_3; PE2_4; PE2_5; PE2_6; PE2_7; PE2_8; PE2_9; PE2_10; PE2_11; PE2_12; PE2_13; PE2_14; PE2_15; PE2_16; PE2_17; PE2_18; PE3_1; PE3_2; PE3_3; PE3_4; PE3_5; PE3_6; PE3_7; PE3_8; PE3_9; PE3_10; PE3_11; PE3_12; PE3_13; PE3_14; PE3_15; PE3_16; PE9_1; PE9_2; PE9_3; PE9_4; PE9_5; PE9_6; PE9_7; PE9_8; PE9_9; PE9_10; PE9_11; PE9_12; PE9_13.
<b>Științe ingineresti</b>	PE7_1; PE7_2; PE7_3; PE7_4; PE7_5; PE7_6; PE7_7; PE7_8; PE7_9; PE7_10; PE7_11; PE7_12; PE8_1; PE8_2; PE8_3; PE8_4; PE8_5; PE8_6; PE8_7; PE8_8; PE8_9; PE8_10; PE8_11; PE8_12; PE8_13; PE11_1; PE11_2; PE11_3; PE11_4; PE11_5; PE11_6; PE11_7; PE11_8; PE11_10; PE11_12; PE11_13.
<b>Știința materialelor</b>	PE4_4; PE4_10; PE4_16; PE4_17; PE5_1; PE5_2; PE5_3; PE5_4; PE5_5; PE5_6; PE5_7; PE5_8; PE5_10; PE5_12; PE5_14; PE5_15; PE11_14.
<b>Științele pământului și atmosferei</b>	PE10_1; PE10_2; PE10_3; PE10_4; PE10_5; PE10_6; PE10_7; PE10_8; PE10_9; PE10_10; PE10_11; PE10_12; PE10_13; PE10_14; PE10_15; PE10_16; PE10_17; PE10_18; PE10_19; PE10_20; PE10_21; SH7_8; SH7_9; SH7_10.
<b>Biologie</b>	LS1_1; LS1_2; LS1_3; LS1_4; LS1_5; LS1_6; LS1_7; LS1_8; LS1_9; LS1_10; LS1_11; LS1_12; LS1_13; LS1_14; LS2_1; LS2_2; LS2_3; LS2_4; LS2_5; LS2_6; LS2_7; LS2_8; LS2_9; LS2_10; LS2_11; LS2_12; LS2_13; LS2_14; LS2_15; LS2_16; LS3_1; LS3_2; LS3_3; LS3_4; LS3_5; LS3_6; LS3_7; LS3_8; LS3_9; LS3_10; LS3_11; LS3_12; LS3_13; LS3_14; LS3_15; LS3_16; LS3_17; LS4_1; LS4_2; LS4_3; LS4_4; LS4_5; LS4_6; LS4_7; LS4_8; LS4_9; LS4_10; LS4_11; LS4_12; LS4_13; LS5_1; LS5_2; LS5_3; LS5_4; LS5_5; LS5_6; LS5_7; LS5_8; LS5_9; LS5_10; LS5_11; LS5_12; LS5_13; LS5_14; LS5_15; LS5_16; LS5_17; LS5_18; LS8_1; LS8_2; LS8_3; LS8_4; LS8_5; LS8_6; LS8_7; LS8_8; LS8_9; LS8_10; LS8_11; LS8_12; LS8_13; LS8_14; LS8_15.
<b>Medicină</b>	LS6_1; LS6_2; LS6_3; LS6_4; LS6_5; LS6_6; LS6_7; LS6_8; LS6_9; LS6_10; LS6_11; LS7_1; LS7_2; LS7_3; LS7_4; LS7_5; LS7_6; LS7_7; LS7_8; LS7_9; LS7_10; LS7_11; LS7_12; LS7_13; LS7_14; LS7_15.
<b>Biotehnologie</b>	LS9_1; LS9_2; LS9_3; LS9_4; LS9_5; LS9_6; LS9_7; LS9_8; LS9_9; LS9_10; LS9_11; LS9_12.
<b>Științe sociale</b>	SH2_1; SH2_2; SH2_3; SH2_4; SH2_5; SH2_6; SH2_7; SH2_8; SH2_9; SH3_1; SH3_2; SH3_3; SH3_4; SH3_5; SH3_6; SH3_7; SH3_8; SH3_9; SH3_10; SH3_11; SH3_12; SH4_1; SH4_2; SH4_3; SH4_4; SH4_5; SH4_6; SH4_7; SH7_1; SH7_2; SH7_3; SH7_4; SH7_5; SH7_6; SH7_7; SH8_1.
<b>Științe economice</b>	SH1_1; SH1_2; SH1_3; SH1_4; SH1_5; SH1_6; SH1_7; SH1_8; SH1_9; SH1_10; SH1_11; SH1_12; SH1_13; SH1_14; SH1_15; SH1_16.
<b>Științe umaniste</b>	SH4_8; SH4_9; SH4_10; SH4_11; SH5_1; SH5_2; SH5_3; SH5_4; SH5_5; SH5_6; SH5_7; SH5_8; SH5_9; SH5_10; SH5_11; SH6_1; SH6_2; SH6_3; SH6_4; SH6_5; SH6_6; SH6_7; SH6_8; SH6_9; SH6_10; SH6_11; SH6_12; SH6_13; SH6_14; SH8_2; SH8_3; SH8_4; SH8_5; SH8_6; SH8_7; SH8_8; SH8_9.

Tabel de corespondență între domeniul aplicației și domeniul de cotare al revistei/editurii de către CNCS:

Arhitectură și urbanism	SH8_5, SH8_6
Arte vizuale	SH8_3, SH8_4, SH8_5, SH8_8
Cinematografie	SH8_8
Filologie	SH4_8, SH4_9, SH4_10, SH4_11, SH5_1, SH5_2, SH5_3, SH5_4, SH5_5, SH5_11
Filosofie	SH5_6, SH5_7, SH5_8, SH5_9, SH5_10, SH5_11
Istorie și studii culturale	SH5_5, SH5_10, SH6_1, SH6_2, SH6_3, SH6_4, SH6_5, SH6_6, SH6_7, SH6_8, SH6_9, SH6_10, SH6_11, SH6_12, SH6_13, SH6_14, SH8_5, SH8_9
Muzică	SH8_7
Teatru și artele spectacolului	SH8_8
Teologie	SH8_2