



ADDITIONAL FUNCTIONS

- Training of undergraduate and postgraduate students.
- Training of various students and experts in environmental health.
- Elaboration of training and information materials on occupational health and safety as well as environmental issues.
- Development and implementation of various research projects, both national and international.
- Toxicological analysis of various materials and products.
- Development of new laboratory methods for detecting various substances.
- Expert services for the assessment of occupational and environmental risk factors.
- Collaboration with reference laboratories and development of comparative trials.
- Development of laboratory networks in the area of occupational safety and health.
- Clinical, dermatological and hygienic assessment of various materials and products including household chemicals and cosmetics.
- Development of material safety data sheets for various products and chemical substances.

CURRENT AND RECENT PROJECTS

- INTERREG „Work ability and social inclusion” (CB52).
- ESF Survey „Working conditions and risks in Latvia, 2009-2010” (1DP/1.3.1.3.2/08/IPIA/NVA/002).
- GRUNDTVIG „Strengthening of the integrated skills of the less educated employees concerning their health choices in the context of the changing labour market” (2008-3466/001-001).
- EEA „Office equipment-caused indoor air pollution and its potential impact on the body” (EEZ09AP-22).
- EEA „Establishing of the Environmental Modelling Centre in Rīga Stradiņš University” (LV0042).
- LCS „Impact of metals and persistent organic pollutants on the antioxidant activity in the workers of some Latvian industrial enterprises”.

QUALITY POLICY

Key quality indicators of our work: successful realisation of projects, development of new projects, development of international collaboration and clients' satisfaction achieved by our services based on legislation and appropriate standards. To achieve this, a team of highly qualified experts is employed at the Laboratory including experts in chemistry, biology, public health and occupational medicine.



Agency of Rīga Stradiņš University
„Institute of Occupational Safety and Environmental Health”

LABORATORY OF HYGIENE AND OCCUPATIONAL DISEASES

competent to make testing based on
LVS EN ISO/IEC 17025:2005 standard requirements



Laboratory is accredited
by the Latvian National Accreditation
Bureau (LATAK) since 1996.



BUREAU
VERITAS

Certified in accordance
with ISO 9001:2008 requirements
as part of Rīga Stradiņš University.

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EIROPAS REĢIONĀLĀS
ATTĪSTĪBAS FONDS

IEGULDĪJUMS TAVĀ NĀKOTNĒ



EIROPAS SAVIENĪBA

The main functions of the Laboratory of Hygiene and Occupational Diseases (HASL) are: research of occupational and environmental risk factors and prevention of them as well as professional services in occupational safety and health to companies. Work environment plays an important role in our life as about half of the wakeful time is spent at work. Everyone has the right to work and live in a safe and healthy work environment. It is well known that a safe and healthy work environment increases productivity and efficiency of work and reduces accidents and diseases at workplaces.

LEGAL STATUS

The Laboratory of Hygiene and Occupational Diseases is a structural unit of the Agency of Rīga Stradiņš University „Institute of Occupational Safety and Environmental Health”.

HASL COLLABORATES WITH:

- Ministry of Welfare;
- Ministry of Health;
- State Labour Inspectorate;
- Latvian National Accreditation Bureau;
- external occupational health and safety services and experts;
- trade unions;
- various professional associations;
- non-governmental organisations;
- international organisations of occupational health.

HASL PROVIDES MEASUREMENTS OF:

DUST AND ASBESTOS FIBRES:

- total mass determination;
- dust particle monitoring by size, number and surface area;
- asbestos and other fibre identification.

CHEMICAL AGENTS*:

- metals and their salts, oxides;
- inorganic acids and their oxides;
- volatile organic compounds, pesticides, polychlorinated biphenyls.



** Modern sampling technologies and equipment are used for air sampling, it allows evaluation of exposure in the breathing zone of workers.*



PHYSICAL RISK FACTORS:

- measuring of occupational and environmental noise in rooms;



- hand-arm and whole body vibration measurements;
- workplace lighting measurements;
- assessment of indoor air quality (relative humidity, air flow rate, temperature);
- assessment of ventilation efficiency;
- measurements of electromagnetic fields.

BIOLOGICAL RISK FACTORS:

- measurements of total micro-organisms, bacteria and fungi in the air.