



INSTITUTE OF BIOPOLYMERS AND CHEMICAL FIBRES Lodz, Poland

Established in 1952



The Institute was established in 1952 as the Institute of Man-Made Fibres (Instytut Włókien Sztucznych i Syntetycznych – IWSS), however its beginnings date back to 1950-52 when in Jelenia Góra, Gorzów Wielkopolski and Łódź some organisations were created dealing with chemical fibres. Since 1955 the Institute has been located in Łódź. In 1974 the Institute changed its name to the Institute of Chemical Fibres and later in 2006 to the Institute of Biopolymers and Chemical Fibres (IBWCh). In 2007 the Pulp and Paper Research Institute was incorporated into the Institute of Biopolymers and Chemical Fibres.

Up to the end of the 80's the Institute was active in the field of chemical fibres to ensure the development of industrial production for national companies manufacturing polyamide fibres (STILON, Gorzów Wielkopolski), polyester fibres (ELANA, Toruń), PAN fibres (ANILANA, Łódź) and viscose fibres (factories in Łódź, Tomaszów Mazowiecki, Chodaków, Wrocław, Jelenia Góra and Szczecin).

The beginning of the 90's was the time of political transition as well as changes in the domestic economy and market situation of many companies, especially textile companies. In order to meet the demands of the market, the Institute started exploring new directions of research activity especially in the field of material engineering.

Currently the Institute is active in research and development of an interdisciplinary character covering areas such as biomaterials including biopolymers, thermoplastics, especially biodegradable polymers for manufacturing fibres, films, nonwovens, and micro- and nano- fibrous structures. The Institute is specialised in material engineering, polymer processing, biotechnology, papermaking techniques and environmental protection. The R&D works carried out by the Institute may be applied in textile and paper making industries, plastics processing, agriculture and medicine.

The Institute has been steadily consolidating its position in the European Research Area, participating in many international research and development projects. The Institute is a member-founder of the European Polysaccharide Network of Excellence – EPNOE, located in Paris, France, which deals with technologies in the field of polysaccharides. In Poland the Institute is actively involved in strategic research projects of the Innovative Economy Operational Program, whose main goal is to develop technology for Polish economic entities.

The Institute is also a publisher of the scientific journal *Fibres & Textiles in Eastern Europe*.

The ceremony of the 60th Anniversary of the Institute will be held on
**28th September 2012, at 11:00 am in the auditorium
of New Theatre in Lodz, ul. Więckowskiego 15**

The program of the ceremony:

- Welcome speech; Danuta Ciechańska, Ph. D., Eng., managing director of IBWCh
- A multimedia presentation about the Institute
- 'The Institute of Biopolymers and Chemical Fibres – past, present, future',
Danuta Ciechańska, Ph. D., Eng.
- 'The most important achievements of IBWCh', Antoni Niekraszewicz, Ph. D., Eng.
- 'Macromolecules – materials', Prof. Stanisław Penczek, Ph. D., D. Sc., Eng.
- 'Development trends in the production of nonwovens',
Prof. Izabella Krucińska, Ph. D., D. Sc., Eng.
- 'Bicomposites – retrospections and perspectives', Prof. Andrzej Błędzki Ph.D., D.Sc., Eng.
- Speeches by invited guests
- Honours, awards and distinctions
- Cocktail party

Managing director: Danuta Ciechańska, Ph. D., Eng.
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European Polysaccharide
Network Of Excellence



Biodegradowalne wyroby włókniste



biodegradowalne polimery



AB 388
Laboratory of Fibres
Metrology
Microbiological Laboratory
Biodegradation Laboratory
AB 065
Paper Quality Laboratory
AB 551
Environmental Protection
Laboratory



AC 062
Certification Department



INNOVATIVE ECONOMY
NATIONAL COHESION STRATEGY

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