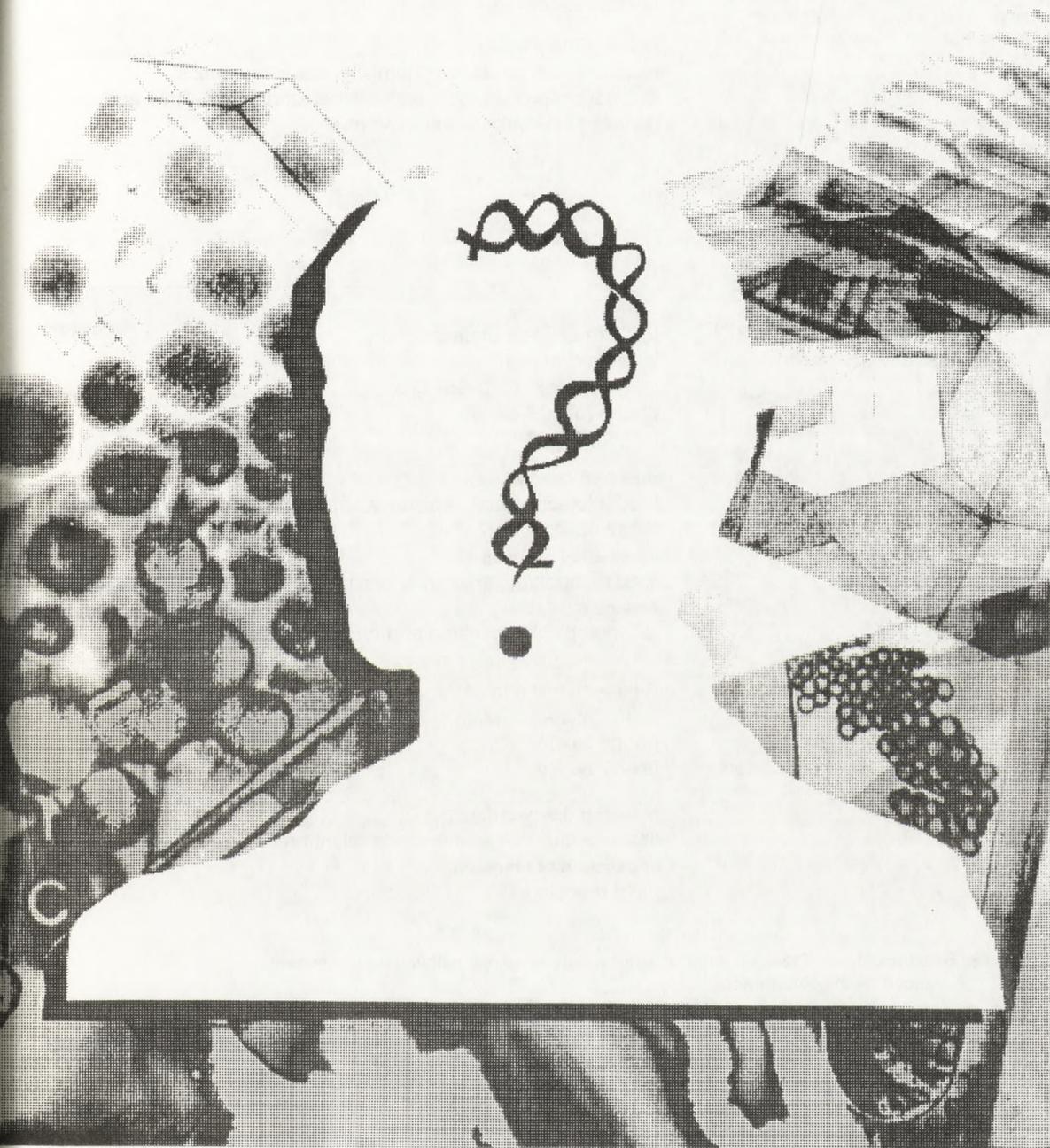


Who is Who?, Kto jest kim w polskiej biotechnologii

Opracował T. Twardowski



Ryszard W. Adamiak

associate professor,
laboratory head

Institute of Bioorganic Chemistry
Polish Academy of Sciences
ul. Noskowskiego 12/14, 61-704 Poznań
phone (61) 52-05-32, 52-85-03(04), 52-68-77
fax (61) 52-05-32

research (key words):

nucleic acids, structural chemistry, stereodynamics,
fluorescent probes, non-isotopic detection, RNA-RNA and
nucleic acid - protein interactions

**Andrzej BABUCHOWSKI**

assistant professor

Institute of Food Biotechnology
University of Agriculture
pl. Cieszyński 1, 10-957 Olsztyn
phone (89) 27-86-50
fax (89) 27-39-08

research (key words):

food biotechnology: enzymes, organic acids, microorganism,
fermentation

application of research:

food technology, environmental protection

service available:

technological consulting and product development

Tomasz BADZIAN

associate professor,
head of the Plant
Tissue Culture Laboratory

Research Institute of Vegetable Crops
ul. Konstytucji 3-Maja 1-3, 96-100 Skierniewice
phone 34-34
fax 88-66-49

research (key words):

tissue culture, vegetable crops, plant breeding

application of research:

plant breeding

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advanced by the contributors.

Sławomir BARTKOWIAK

associate professor,
head of the Laboratory
of Molecular Genetics

Institute of Plant Genetics
Polish Academy of Sciences
ul. Strzeszyńska 30/36, 60-479 Poznań
phone (61) 23-35-11 ex. 246
fax (61) 22-11-22

research (key words):

plant genetics, genetic engineering, plant transformation,
A. tumefaciens

application of research:

genetics and breeding of plants

Włodzimierz BEDNARSKI

professor

Institute of Food Biotechnology
University of Agriculture and Technology
plac Cieszyński 1, 10-957 Olsztyn - Kortowo
phone (89) 27-86-87
fax (89) 27-39-08

research (key words):

food biotechnology, protein, fat, enzymes biosynthesis

application of research:

food industry, dairy products

Apoloniusz BERBEC

researcher (agronomist)

Department of Tobacco Breeding and Production
Institute of Soil Science and Plant Cultivation
Osada Palacowa, 24-100 Puławy
phone 34-21 ex. 216

research (key words):

interspecific hybridization (tobacco), tissue culture, somatic
hybridization

application of research:

breeding for resistance in tobacco

Stanisław BIELECKI

reader

Faculty of Food Chemistry
Institute of Technical Biochemistry
Technical University of Łódź
ul. Stefanowskiego 4/10, 90-924 Łódź
phone (42) 36-55-22 ex. 1131, 1124
fax (42) 36-85-22

research (key words):

applied biocatalysis, downstream processing, immobilized
biocatalysts, proteinases

application of research:

enzyme technology, biopolymers, food and pharmaceutical
industry, environmental protection

service available:

enzyme production, immobilized biocatalysts

technology and/or know-how available:

production of α -amylase, alkaline proteinases, lytic enzymes

Andrzej BIERZYŃSKI
associate professor

Department of Biophysics
Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 48-09-13
fax (22) 39-12-16-23

research (key words):

peptide conformation, protein folding

Jolanta BRYJAK
assistant

Department of Bioprocess Engineering
Institute of Chemical Engineering
ul. Wybrzeże Wyspiańskiego 27, 50-370 Wrocław
phone (71) 20-26-77

research (key words):

immobilization of enzymes, bioreactors,

application of research:

pharmaceutical plants

Andrzej BRZOWSKI
Ph.D., research fellow

Department of Crystallography
University of Łódź
ul. Pomorska 149/153, 90-236 Łódź
phone (42) 33-23-65

research (key words):

proteins crystallography, structure of peptides and drugs,
lipases, haemoglobin

application of research:

pharmaceutical industry, biotechnology industry

service available:

consulting in protein crystallography, determination of
structure of proteins, peptides and organic compounds
by X-ray analysis

Jerzy BUCHOWICZ
professor,
head of the Department
of Plant Biochemistry

Department of Plant Biochemistry
Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 40-04-03
fax 39-12-16-23

research (key words):

DNA, cell differentiation, gene expression



Aleksander CHMIEL

associate professor,
laboratory head

Institute of Technology and Chemistry of Drugs
Medical Academy
ul. Muszyńskiego 1, 90-151 Łódź
phone (42) 78-48-33 ex. 218

research (key words):

microbial technology and plant cell biotechnology, biosynthesis
of drugs, proteins and pigments

Bożena CHWIŁKOWSKA

Ph.D., assistant professor

Institute of Plant Genetics
Polish Academy of Sciences
ul. Strzeszyńska 34, 60-479 Poznań
phone (61) 23-35-11

research (key words):

potato, cell/tissue culture, clonal selection,
transformation of cells, somatic cells

application of research:

agriculture – new genotypes of potato

Andrzej CZAPLICKI

assistant professor

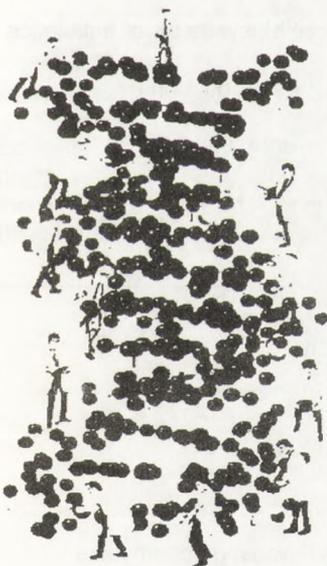
Department of Tissue Culture
Plant Breeding and Acclimatization Institute
Radzików, 05-870 Błonie
phone (22) 55-26-11, 55-36-11
fax 55-47-14

research (key words):

wheat, triticum, androgenesis

application of research:

plant breeding, plant genetics



Teresa DOROSZEWSKA
assistant

Department of Tobacco Breeding and Production
Institute of Soil Science and Plant Cultivation
Osada Pałacowa, 24-100 Puławy
phone 34-21 ex. 216
fax 45-47

research (key words):

tobacco, interspecific hybridization, somatic hybridization,
tissue culture, fusion protoplast

application of research:

breeding for resistance in tobacco

Zofia DOROSZEWSKA
researcher

Department of Meat Science
Meat and Fat Research Institute
pl. Weysssenhoffa 11, 85-072 Bydgoszcz
phone (852) 22-55-44
fax 45-47

research (key words):

pig, cattle, carcass value, meat quality, muscle biochemistry

application of research:

meat processing, animal production

service available:

analytical service of meat: basal chemical composition and
physico-chemical and sensoric properties

Lidia
PAŚŚ-DZIĘGIELEWSKA
Ph.D., laboratory head

Department of Biochemistry
Research Development Center of Biotechnology
ul. Starościńska 5, 02-516 Warszawa
phone (22) 49-60-51 ex. 255
fax (22) 49-42-07

research (key words):

immobilization, enzymes purification, biosynthesis of antibiotics

application of research:

technology of antibiotics and enzymes production

culture collection available:

collection of streptomycenes (liophilised), 600 strains



Jan FIEDUREK
assistant professor

Department of Applied Microbiology
Institute of Microbiology
M. Curie-Skłodowska University
ul. Akademicka 19, 20-033 Lublin
phone (81) 37-59-06
fax (81) 37-51-02

research (key words):

industrial microbiology, fungal pectinases, glucoamylase

Magdalena FIKUS

professor,
laboratory head

Department of Biophysics
Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 48-09-13
fax 39-12-16-23

research (key words):

cloning of eucaryotic genes, *S. cerevisiae* expression vectors,
electromodification of membranes

Janusz FIOŁKA

researcher

Institute of Inventiveness and Protection of Intellectual Property
Jagiellonian University
ul. Marszałka J. Piłsudskiego 13, 31-110 Kraków
phone (12) 22-04-82
fax (12) 22-63-06

research (key words):

legal problems of biotechnology protection, patents
and trade mark

Mirosława FURMANOWA

professor,
head of the Department
of Biology
and Pharmaceutical Botany

Department of Biology and Pharmaceutical Botany
Faculty of Pharmacy
Warsaw Medical Academy
ul. Banacha 1, 02-097 Warszawa
phone (22) 23-59-84

research (key words):

micropropagation, secondary metabolites, hairy roots culture,
plant tissue culture, suspension culture, callus

application of research:

medicinal plant biotechnology, drug production of natural origin

**Edward GALAS**

professor, director of
the Institute of Technical
Biochemistry

Institute of Technical Biochemistry
University of Łódź
ul. Stefanowskiego 4/10, 90-924 Łódź
phone (42) 36-66-18

research (key words):

biodegradation of polysaccharides, lipids transformations

application of research:

industrial food enzymology

technology and/or know-how available:

computerised spectrophotometry, fermentors (2-120 l.), HPLC,
FPLC

commercial products:

production of subtilisin, thermostable bacterial α -amylase,
amylases, lipases, pullulanase, keratinase, serine, proteinase,
 α -galactosidase, lytic enzymes

Andrzej GAMIAN
Ph.D., researcher

Department of Immunochemistry
Institute of Immunology and Experimental Therapy
Polish Academy of Sciences
ul. Czerska 12, 53-114 Wrocław
phone (71) 67-90-81
fax (71) 67-91-11

research (key words):

immunochemistry, vaccines, carbohydrates, glycolipids, polysaccharides,

application of research:

diagnostic kits

service available:

cultures collection, immunological methods, monoclonal antibodies, blood groups

technology and/or know-how available:

new method for specific determination of glucose and fructose

commercial products:

polysaccharide conjugate vaccine, anti-meningitis

culture collections available:

- 1) bacteriophages,
- 2) tissue culture (normal, transformed and monoclonal producing lines),
- 3) bacteria (Polish Collection of Microorganism).

Czesława GÓRSKA
Ph.D., Dr. Sci.,
laboratory head

Department of Production of Tissue Culture Vaccines
BIOWET, Serum and Vaccine laboratory
24100 Puławy – Michałowka
phone 30-91
fax 33-53

research (key words):

viruses replication, tissue culture, attenuation, lyophilisation

application of research:

serial production for veterinary

technology and/or know-how available:

technology of antiserum and vaccines

commercial products:

vaccine, distemper, dog hepatitis, parvovirus

trade names:

Canivac F, Canivac FH, Canivac P, Canisanin F, Canisanin FH

range of application:

immunoprophylaxis of dogs and fur animals

Jerzy GÓRSKI

professor,
head of the Laboratory
of Immunoprophylaxis

National Veterinary Research Institute
ul. Partyzantów 27, 24-100 Puławy
phone 30-51
fax 25-95

research (key words):

virology, immunology, technology of biopreparates and drugs

application of research:

immunoprophylaxis of rabbits and fur-bearing animals

service available:

control of vaccines and diagnosis of viral diseases
(parvovirus, distemper, fur animals, myxomatosis,
viral haemorrhagic disease, rabbits)

technology and/or know-how available:

vaccine, myxomatosis, viral haemorrhagic disease,
production of Myxovac M, Cunivac, Canivac P

commercial products:

Myxovac M, Cunivac, Canivac P

Włodzimierz GRAJEK

professor,
director of the
Institute of Biotechnology
and Food Microbiology

Department of Biotechnology and Food Microbiology
Institute of Microbiology
Agriculture University
ul. Mazowiecka 48, 60-623 Poznań
phone (61) 22-45-81
fax ((61) 441-25

research (key words):

industrial microbiology, cell cultures, microbial biosynthesis
process, lactic acid bacteria, propionic acid bacteria

food industry

service available:

microbiological analysis, technology design, consulting

Salomea GRAJEWSKA

researcher

Department of Meat Science
Meat and Fat Research Institute
pl. Weyssenhoffa 11, 85-072 Bydgoszcz
phone (852) 22-56-44

research (key words):

pig, carcass value, meat quality, muscle biochemistry

application of research:

meat processing plants and animal production

service available:

analytical service of meat: basal chemical composition,
physico-chemical and sensoric properties

Piotr GUGA
research assistant

Department of Bioorganic Chemistry
Centre of Molecular and Macromolecular Studies
Polish Academy of Sciences
ul. Sienkiewicza 112, 90-363 Łódź
phone (42) 81-89-52
fax (42) 84-71-26

research (key words):

protein sequencing, amino acids analysis, stereochemistry of DNA analogs, DNA cloning

application of research:

structure of protein, DNA/RNA modification



Waleria HRYNIEWICZ
professor,
scientific director
of the National Institute
of Hygiene

National Institute of Hygiene
ul. Chocimska 24, 00-791 Warszawa
phone (22) 49-74-25, 49-40-51
fax (22) 49-74-84

research (key words):

immunopathology, epidemiology, toxicology,
bacterial virulence factors, serodiagnosis of bacterial infections

application of research:

monitoring of environmental pollution with infectious agents and toxic substances

service available:

experts groups on state control of food, sera and vaccines
diagnostic procedures

technology and/or know-how available:

diagnostic kits in microbiology

culture collection available:

standard bacterial strains

Maria Danuta HULANICKA
professor,
head of the Department
of Microbial Biochemistry

Department of Microbial Biochemistry
Institute of Biochemistry & Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-85-94

research (key words):

molecular biology, regulation of gene expression, plant viruses

Jan ICIEK

professor,
head of the Department
of Sugar Technology

Department of Sugar Technology
Institute of Chemical Technology of Food
Technical University of Łódź
ul. Stefanowskiego 4/10, 90-924 Łódź
phone (42) 36-55-22
telex 88-42-20 btz pl
fax (42) 36-85-22

research (key words):

thermal destruction of microorganism, heat transfer, drying

application of research:

thermal processing of food, thermal sterilization, heat
management of sugar plants

service available:

modernization of the existing and development of new
technologies for sugar industry and food storage

technology and/or know-how available:

thermal processing of foodstuffs, continuous thermal sterilization

Zdzisław ILCZUK

professor,
head of the Department
of Applied Microbiology,
editor *Postępy Mikrobiologii*

Department of Applied Microbiology
Institute of Microbiology
M. Curie-Skłodowska University
pl. M. Curie-Skłodowska 5, 20-033 Lublin
phone (81)-37-59-46
fax (81) 37-51-02

research (key words):

citric acid fermentation, enzyme biosynthesis,
fungal pectinases, glucoamylase, glucose

application of research:

industrial microbiology

**Jacek Tomasz JURA**

Ph.D., researcher

Institute of Zootechnics
32-083 Balice k. Krakowa
phone (12) 11-32-11 ex. 457

research (key words):

gene transfer, zygotes, microinjection, *in vitro* culture

application of research:

experimental embryology, farm animals breeding

Paweł KAFARSKI
assistant professor

Department of Chemistry
Institute of Organic and Physical Chemistry
Technical University of Wrocław
ul. Wybrzeże Wyspiańskiego 27, 50-370 Wrocław
phone (71) 20-32-24

research (key words):

drug and pesticides design, liquid membranes, herbicides

Krzysztof KASPRZAK
Ph.D., associate director

Provincial Administration,
Department of Environment Protection
Al. Niepodległości 16/18, 60-967 Poznań

research (key words):

utilization of organic waste, compost production

application of research:

environmental protection

Kazimierz KLECZKOWSKI
professor

Department of Plant Biochemistry
Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-04-03
fax 39-12-16-23

research (key words):

plant biochemistry, cell and tissue culture, transformation
of plants, plant pathogens

application of research:

potatoes breeding

technology and/or know-how available:

cell and tissue culture, *A. tumefaciens* transformations
micropropagation (laboratory scale)

culture collection available:

potatoes tissue culture

Bożena Natalia KOLARZ
professor,
head of the Department
of Polymer Physicochemistry

Department of Polymer Physicochemistry
Institute of Organic and Polymer Technology
Technical University of Wrocław
ul. Wybrzeże Wyspiańskiego 27, 50-370 Wrocław
phone (71) 20-38-26
fax 71-22-36-64

research (key words):

reactive polymers, carriers, immobilization of biologically active
substances

application of research:

immobilization of organic substances

technology and/or know-how available:

synthesis of carriers "vinylaff"

commercial product:

"vinylaff" – carriers for immobilization

Tadeusz KOTIK
Ph.D.,
head of the Department of
Meat Science

Department of Meat Science
Meat and Fat Research Institute
pl. Weyssenhoffa 11, 85-072 Bydgoszcz
phone (852) 22-55-44

research (key words):

pig, cattle, carcass value, meat quality, muscle biochemistry

application of research:

animal production, husbandry

service available:

analytical service of meat: basal chemical composition
and physico-chemical and sensoric properties

Marek KWINKOWSKI
assistant

Department of Bioorganic Chemistry
Centre of Molecular and Macromolecular Studies
Polish Academy of Sciences
ul. Sienkiewicza 112, 90-363 Łódź
phone (42) 81-97-44
fax 84-72-26

research (key words):

gene expression, protein engineering



Dorota LASKOWSKA
assistant

Institute of Soil Science on Cultivation of Plants
ul. Czartoryskich 8, 24-100 Puławy
phone 34-21 ex. 218
telex 06-42-410

research (key words):

tobacco, haploids, anther culture, protoplast fusion

Andrzej B. LEGOCKI
professor,
director of the Institute
of Bioorganic Chemistry,
member of the Polish
Academy of Sciences

Institute of Bioorganic Chemistry
Polish Academy of Sciences
ul. Noskowskiego 12/14, 61-704 Poznań
phone (61) 52-05-32, 52-85-03(04), 52-68-77
fax (61) 52-05-32

research (key words):

plant molecular biology,

application of research:

plant transformation systems

technology and/or know-how available:

plant transformation and genetic engineering,
DNA recombinant technology

culture collection available:

DNA libraries of lupin

Barbara LEJCZAK
assistant professor

Department of Basic Science
Institute of Organic and Physical Chemistry
Technical University of Wrocław
ul. Wybrzeże Wyspiańskiego 27, 50-370 Wrocław
phone (71) 20-32-24

research (key words):

biocatalysis, enzyme inhibitors design

Jacek LEMAN
assistant professor

Institute of Food Biotechnology
University of Agriculture and Technology
10-957 Olsztyn 5

research (key words):

lipids, agricultural waste

Andrzej LEONOWICZ
professor,
head of the Department
of Biochemistry

Department of Biochemistry
M. Curie-Skłodowska University
pl. M. Curie-Skłodowskiej 3, 20-031 Lublin
phone (81) 37-56-65, 37-57-37 or 37-57-22
fax (81) 37-51-02

research (key words):

ligninocellulose, biotransformation, higher fungi, fungal
enzymes, immobilization, phenolics, biomass

application of research:

biotechnology of fungal enzymes, production of edible fungal
biomass for feeding and nutrition, production of enzymes

Zbigniew LORKIEWICZ
professor,
head of the Department
of General Microbiology

Department of General Microbiology
M. Curie-Skłodowska University
ul. Akademicka 19, 20-033 Lublin
phone (81) 37-50-73
fax (81) 37-51-02

research (key words):

biological nitrogen fixation, *Rhizobium*, *Azospirillum*,
lipopolysaccharides, mutants

application of research:

agriculture, plant inoculants

service available:

consulting on genetics and immunochemistry of *Rhizobium*

culture collection available:

Rhizobium and derivatives (50 strains)

Jerzy LUTOMSKI

professor, dr h.c.,
director of the Institute of
Medicinal Plants,
editor *Herba Polonica*

Institute of Medicinal Plants
ul. Libelta 27, 61-707 Poznań
phone (61) 52-56-16, 52-40-03
fax (61) 52-74-63

research key words):

technology of the plant drugs, immunostimulatory effect, tissue culture, *Asteraceae*, *Araliaceae*, saponins, polysaccharides

application of research:

production of plant drugs

Jerzy ŁOBARZEWSKI

professor,
member of the Polish
Academy of Sciences

Department of Biochemistry
M. Curie-Skłodowska University
pl. M. Curie-Skłodowskiej 3, 20-031 Lublin
phone (81) 37-56-66

research (key words):

plant biochemistry, immobilization of proteins, affinity chromatography, enzymology, peroxidase, lignin degradation

application of research:

pharmaceutical industry

technology and/or know-how available:

immobilization of penicillin acylase (covalent binding), industrial scale

commercial products:

acrylonitrile-divinylbenzene copolymer (applicable for industrial scale), penicillin acylase

**Stefan MALEPSZY**

professor,
director of the Department
of Plant Genetics
and Breeding

Department of Plant Genetics and Breeding
Warsaw Agricultural University
ul. Nowoursynowska 166, 02-766 Warszawa
phone (22) 43-09-82
fax (22) 47-15-62

research (key words):

somatic embryogenesis, *in vitro* selection, gene technology, molecular genetics of sex, *Cucurbitaceae*, rye, tomato

technology and/or know-how available:

somatic embryogenesis, cucumber selection of various mutants, cucumber transformation

culture collection available:

in vitro collection of resistant and transformed strains (as callus culture), 17 strains

Stanisław MICHAŁOWSKI
professor

Department of Bioprocess Engineering and Thermal Processes
Institute of Chemical and Process Engineering
Technical University of Łódź
ul. Wólczańska 175, 90-924 Łódź
phone (42) 36-55-22
fax (42) 36-85-22

research (key words):

thermal properties, drying equilibria and kinetics

application of research:

dryer design and optimization of drying parameters

service available:

evaluation of drying kinetics

technology and/or know-how available:

drying of bioproducts with infrared gas equipment

Korneliusz MIKSCH
professor,
Chair of Environmental
Biotechnology

Department of Environmental Engineering
Chair of Environmental Biotechnology
ul. Kuczewskiego 2, 44-100 Gliwice
phone (832) 37-29-46
fax 31-80-85

research (key words):

biological wastewater treatment and waste utilization

application of research:

commercial and industrial wastewater treatment
and waste utilization

Tadeusz MIŚKIEWICZ
professor,
Chair of Plant Food
Technology

Department Engineering and Economics of Industry
Academy of Economics
ul. Komandorska 118/120, 53-345 Wrocław 2
phone (71) 68-11-55 ex. 269
fax 07-12-427

research (key words):

food technology, control of fermentation process, baker's yeast

Rafał MÓL
Ph.D., researcher

Faculty of Biology
Adam Mickiewicz University
Al. Niepodległości 14, 61-713 Poznań
phone (61) 52-56-03

research (key words):

in vitro culture, plant embryology, transformation

application of research:

plant transformation

Grażyna MUSZYŃSKA

professor,
deputy director,
laboratory head

Department of Plant Biochemistry
Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-04-03
fax 39-12-16-23

research (key words):

plant enzymology, plant protein kinases and phosphatases

service available:

enzyme preparation (protein kinases and phosphatases)

technology and/or know-how available:

enzymology, isolation and purification of protein kinases and phosphatases

**Wojciech NIEWIAROWSKI**

Ph.D.

Department of Bioorganic Chemistry
Centre of Molecular and Macromolecular Studies
Polish Academy of Sciences
ul. Sienkiewicza 112, 90-362 Łódź
phone (42) 81-89-52 ex. 249, 81-97-44
fax (42) 84-71-26

research (key words):

protein engineering, DNA cloning, PCR, cytokinines

Andrzej NOWORYTA

professor,
director of the Institute
of Chemical Engineering
and department head

Department of Bioprocess Engineering
Institute of Chemical Engineering
ul. Wybrzeże Wyspiańskiego 27, 50-370 Wrocław
phone (71) 20-25-39

research (key words):

membrane separation, membrane bioreactors, separation techniques, immobilization

application of research:

pharmaceutical plants

service available:

consulting

Helena OBERMAN

professor,
director of the Institute
of Fermentation Technology
and Microbiology,
department head

Institute of Fermentation Technology and Microbiology
Technical University of Łódź
ul. Wólczańska 175, 90-530 Łódź
phone (42) 36-36-39, 36-55-22 (709)
fax 88-42-20, 88-47-16

research (key words):

technical microbiology, yeast, lactic acid bacteria, storage,
preservation, stabilization

application of research:

industrial microbiology

service available:

experts groups in industrial microbiology

culture collections available:

"LOCK" 105 - industrial yeasts, bacteria; about 550 strains;
available without limitations for laboratories and industry

Andrzej OKRUSZEK

Ph.D., researcher

Department of Bioorganic Chemistry
Centre of Molecular and Macromolecular Studies
Polish Academy of Sciences
ul. Sienkiewicza 112, 90-363 Łódź
phone (42) 81-97-44
fax 84-71-26

research (key words):

synthesis of proteins by rec DNA technology, stereospecific
synthesis of P-chiral biophosphates

application of research:

pharmaceutical industry (modulators of gene expression)

Olga ILNICKA-OLEJNICZAK

professor,
head of the Department of
Technical Microbiology
and Biochemistry

Department of Technical Microbiology and Biochemistry
Institute of Biotechnology of the Agricultural and Food Industry
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-04-06, 49-01-71 ex. 274

research (key words):

strain improvement and preservation, biosynthesis, solid state
fermentation, yeast, microscopic fungi, bacteria

application of research:

microbial industry

**Włodzimierz S.
OSTROWSKI**

professor,
director of the Institute,
member of the Polish
Academy of Sciences

Institute of Medical Biochemistry
Medical Academy
ul. Kopernika 7, 31-034 Kraków
phone (12) 22-32-72

research (key words):

enzymology, phosphomonoesterases non-specific

application of research:

clinical diagnosis

Zygmunt PEJSAK
professor,
head of the Department of
Swine Diseases

Department of Swine Diseases
National Veterinary Research Institute
24-100 Puławy
phone 30-51
fax 25-95
telex 06-42-401

research (key words):

immunoprophylaxy and diagnosis of swine diseases

application of research:

veterinary, production of kits and vaccines (diagnosis, immuno-
prophylaxis)

service available:

production of vaccines, treatment and prophylaxis of swine di-
seases, O.I.E. reference laboratory

commercial products:

cell culture vaccines: "Cellpest", "Suimastivac", "Rhinovac-P"
(used for immunoprophylaxis of diseases of swine)

culture collections:

PK-15, ST, SK, MA-104, Vero, BHK, MS (available on request)

Andrzej PISULA
professor

Department of Food Technology
Warsaw Agricultural University
ul. Grochowska 272, 03-849 Warszawa
phone (22) 10-35-51, 10-01-63

research (key words):

biochemistry of meat, meat aging, quality of meat

Ryszard POHORECKI
professor,
head of the Department of
Chemical Reactor
and Bioprocess Engineering

Department of Chemical Reactor and Bioprocess Engineering
Institute of Chemical and Process Engineering
Warsaw Technical University
ul. Waryńskiego 1, 00-645 Warszawa
phone (22) 25-85-64
fax 25-14-40

research (key words):

chemical- and bioreactor engineering, bioprocess engineering,
up- and down-stream processing, heat and mass transfer
in bioreactors, bioreactor modelling



Arnold REPS

professor,
director of the Institute of
Food Biotechnology

Department of Food Technology
Institute of Food Biotechnology
University of Agriculture and Technology
10-957 Olsztyn-Kortowo bl. 43
phone (89) 27-82-33
fax (89) 27-39-08

research (key words):

food biotechnology – enzymes, proteins, nutrition, cheese,
fermentation, microorganism

application of research:

comodities, food products and processing

service available:

technical consulting, product development, consulting on dairy,
fermentation and grains technology

Jerzy ROGALSKI

researcher

Department of Biochemistry
M. Curie-Skłodowska University
pl. M. Curie-Skłodowskiej 3, 20-031 Lublin
phone (81) 37-56-68
fax (81) 37-51-02

research (key words):

lignocellulose, affinity chromatography

Stefan ROWIŃSKI

curator of culture collection

Department of Microbiology
Institute of Immunology and Experimental Therapy
Polish Academy of Sciences
ul. Czerska 12, 53-114 Wrocław
phone (71) 67-90-81
fax (71) 67-91-11

research (key words):

medical and general microbiology, organism immunity,
immunotherapy

application of research:

medicine, industrial biology

service available:

consulting on immunology, molecular biology
and microbiology, supply of bacterial cultures, information on
strain sources

commercial products:

microbial cultures (freeze-dried or alive) for research, education
and industry

culture collections available:

PCM – Polish Collection of Microorganism (2000 strains),
available on request

Leon SEDLACZEK

professor,
director of the Centre of
Microbiology and Virology

Department of Industrial Microbiology
Centre of Microbiology and Virology
University of Łódź and
Polish Academy of Sciences
ul. Piotrkowska 173, 90-447 Łódź
phone (42) 37-09-09, 37-09-07

research (key words):

physiology and industrial microorganism, sterol side chain
degradation, steroid hydroxylation

application of research:

medical steroids manufacturing

service available:

experts groups in virus HBV antigenes, human protein C, h.
fibrinogen

Janusz A. SIEDLECKI

Ph.D., laboratory head

Department of Cell Biology and Experimental Therapy
Cancer Center Institute
ul. Wawelska 15, 02-034 Warszawa
phone (22) 23-25-49
fax 22-24-29

research (key words):

DNA repair, DNA polymerase b, gene expression of DNA pol b

application of research:

diagnosis on cancer disease

Ignacy Zenon SIEMION

professor,
head of the Department of
Organic Chemistry

Department of Organic Chemistry
Institute of Chemistry
Wrocław University
ul. F. Jolliot-Curie 14, 50-383 Wrocław
phone (71) 22-92-83
fax 22-14-06

research (key words):

peptide chemistry and biology, peptide synthesis,
peptide conformation

application of research:

theoretical medicine and therapy

service available:

consulting on peptide synthesis and spectroscopy,
circular dichroism measurement

commercial products:

peptide immunomodulators (Tuftsin, Pentigetide, Thymopentin
analogues, Cyclolinopeptide A)



Zdzisław SMORAĞ

professor, laboratory head

Institute of Zootechnics
32-083 Balice k. Krakowa
phone (12) 11-31-11 ex. 308**research (key words):**reproduction of farm animals, cryopreservation of oocytes, *in vitro* fertilization, embryo cloning, transgenic animals, manipulation on mammalian gametes and embryos**application of research:**

animal production

Ewa SOLARSKA

Ph.D., laboratory head

Institute of Soil Science and Plant Cultivation
Osada Pałacowa, 24-100 Puławy, 21-002 Jastków
phone 34-21, 34-22**research (key words):**

diseases of hop, fungi, viruses, spider mites, hop aphids

application of research:

agriculture, control of diseases and pets

commercial products:

virus free hop plants

Wojciech Jacek STECprofessor,
head of the Department of
Bioorganic Chemistry,
president of the Biotechnology
Committee of the Polish
Academy of SciencesDepartment of Bioorganic Chemistry
Centre Molecular of Macromolecular Studie
Polish Academy of Sciences
ul. Sienkiewicza 112, 90-363 Łódź
phone (42) 81-97-44
fax 84-71-26**research (key words):**

oligonucleotides and analogues, antisense mRNA, protein engineering, phosphorothioates, methanephosphonates

application of research:

medicine, modulators of gene expression

service available:

DNA synthesis, protein sequencing

technology and/or know-how available:

availability of h rec a TNF on gram scale

commercial product:

h rec a TNF (trade name "Cachectine"), under investigation in pre-clinical studies

Barbara STEFANIAK

Ph.D., lecturer

Faculty of Biology
Adam Mickiewicz University
Al. Niepodległości 14, 61-713 Poznań
phone (61) 52-56-03**research (key words):**

plant cell culture, somatic embryogenesis, cell suspension, protoplasts, transformation, micropropagation

Czesław STRUMIŁŁO
professor,
head of the Department of
Bioprocessing
and Thermal Processes

Department of Bioprocess Engineering and Thermal Processes
Institute of Chemical and Process Engineering
Technical University of Łódź
ul. Wólczańska 175, 90-924 Łódź
phone (42) 36-55-22
fax (42) 36-85-22

research (key words):

engineering and thermal processes, simultaneous heat
and mass transfer, drying

application of research:

drying methods, dryers design, food preservation

service available:

drying in theory, application and design

technology and/or know-how available:

elaboration of drying methods, dryer selection and design

Henryk STRUSZCZYK
professor,
research director and head of
the Department of
Cellulose Fibres

Department of Cellulose Fibres
Institute of Chemical Fibres
ul. M. Skłodowskiej-Curie 19, 90-570 Łódź
phone (42) 37-67-44 or 37-65-10
fax (42) 37-62-14

research (key words):

biosynthesis of polymers and enzymes and their applications

application of research:

processing of chemical fibres and polymers

commercial products:

special polymeric materials and new chemical fibres (applied
in medicine electrotechnics and chemical fibres industry)

Przemysław SZAFRAŃSKI
professor,
head of the Department of
Protein Biosynthesis

Department of Protein Biosynthesis
Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-04-15
fax 39-12-16-23

research (key words):

potato viroids and viruses, construction of plasmids bearing
copies of viroid and viral genomes

application of research:

detection of potato viroids and viruses

Jan SZAREK

professor,
director of the Institute of
Animal Breeding

Institute of Animal Breeding
University of Agriculture
Al. Mickiewicza 24/28, 30-059 Kraków
phone (12) 33-18-98
fax 23-32-355

research (key words):

animal production, breeding and management of: cattle, horses,
pigs, sheep, poultry, milk and meat **evaluation**

application of research:

agriculture

service available:

consulting

J. W. SZARKOWSKI

professor,
head of the Department of
Comparative Biochemistry

Department of Comparative Biochemistry
Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-01-71 ex. 541, 552

research (key words):

molecular biology, nucleolytic enzymes

Apolinary SZEWCZUK

professor,
laboratory head

Institute of Immunology and Experimental Therapy
ul. Czerska 12, 53-114 Wrocław
phone (71) 67-90-81 ex. 191 or 177
fax (71) 67-91-11

research (key words):

medical diagnostics, immunodiagnostics, immunofiltration tests,
detection and assay of human choriongonadotropin

application of research:

pregnancy and trofoblastic test

technology and/or know-how available:

mono- and polyclonal antibodies for medical diagnosis

commercial products:

immunological test "GRAVIPOL" (immunoenzymatic test for
simple and fast diagnosis of pregnancy and troblastic disease)

Krzysztof W. SZEWCZYK

associate professor

Department of Chemical Reactors Engineering
and Bioprocesses
Institute of Chemical and Process Engineering
ul. Waryńskiego 1, 00-645 Warszawa
phone (22) 21-03-61 ex. 64-13

research (key words):

solid state fermentation, microbial growth modeling

application of research:

enzymes production

**Urszula
SZYBIAK-STRÓŻYCKA**
Ph.D., assistant professor

Department of Biochemistry
Faculty of Biochemistry and Biotechnology
University of Agriculture
ul. Wolyńska 35, 60-637 Poznań
phone (61) 22-45-81 ex. 171, 176
fax (61) 441-25

research (key words):

plant molecular virology, gene expression in plants during
symbiotic nitrogen fixation viral infection



Czesław TARKOWSKI
professor,
director of the Institute of
Genetics and Plant Breeding

Department of Agriculture
Institute of Genetics and Plant Breeding
University of Agriculture
ul. Akademicka 13, 20-934 Lublin
phone (81) 37-66-75
fax 48-81, 335-49

research (key words):

genetics and plant breeding, cytogenetics of triticale and wheat

application of research:

crops breeding

culture collections available:

plant collection: *Triticale* and *Triticum durum*; resource number
of *Triticale* - 1700, *T. durum* - 350 (register: IHAR, Radzików)

Zdzisław TARGOŃSKI
associate professor

Department of Food Technology
University of Agriculture
ul. Akademicka 13, 20-934 Lublin
phone (81) 37-68-56
fax 81-335-49

research (key words):

food technology cellulase, enzymatic hydrolysis of cellulose

Zygmunt TOMASZEWSKI, Jr.
Ph.D., researcher

Department of Tissue Culture
Institute Plant Breeding and Acclimatization
05-870 Blonie
phone (22) 55-26-11 ex. 284
fax 55-47-14

research (key words):

tissue culture, androgenesis, anther culture, *Gramineae*

application of research:

plant breeding

commercial products:

homozygous lines for breeding purposes

Marianna TURKIEWICZ
associate professor

Institute of Technical Biochemistry
Technical University of Łódź
ul. Stefanowskiego 4/10, 90-303 Łódź
phone (42) 36-66-18

research (key words):

enzymology, applied biocatalysis, antarctic krill enzymes, serine proteases, polysaccharidases

application of research:

food industry, medicine, laundry

service available:

purification and application of enzymes, consulting

commercial products:

crude preparations of pectinases for clarification of fruit juices

Tomasz TWARDOWSKI
associate professor,
laboratory head,
editor-in-chief
*Biotechnologia –
Przegląd Informacyjny*

Institute of Bioorganic Chemistry
Polish Academy of Sciences
ul. Noskowskiego 12/14, 61-704 Poznań
phone (61) 52-85-03
fax (61) 52-05-32

research (key words):

protein synthesis in plant system (lupin and wheat), regulation of translation – effect of low molecular weight components e.g. alkaloids and anti-sense DNA, bioinformatics

application of research:

consulting: protein biosynthesis in plants and biotechnology information

service available:

publication for and about biotechnology in Poland

Stefan TYSKI
Ph.D., laboratory head

National Institute of Hygiene
ul. Chocimska 24, 00-791 Warszawa
phone (22) 49-74-25, 49-40-51
fax (22) 49-74-84

research (key words):

immunopathology, epidemiology, toxicology,
bacterial virulence factors, serodiagnosis of bacterial infections

application of research:

monitoring of environmental pollution with infectious agents and toxic substances



Bogdan UZNAŃSKI
Ph.D., researcher

Department of Bioorganic Chemistry
Centre of Molecular and Macromolecular Studies
Polish Academy of Sciences
ul. Sienkiewicza 112, 90-363 Łódź
phone (42) 81-97-44
fax 84-71-26

research (key words):

bioorganic chemistry, synthesis of DNA/RNA,
DNA modifications

Michał du VALL
Ph.D., scientific secretary

Institute of Inventiveness and Protection of Intellectual Property
Jagiellonian University
ul. Marszałka J. Piłsudskiego 13, 31-110 Kraków
phone (12) 22-04-82
fax (12) 22-63-06

research (key words):

legal problems of biotechnology protection, patents and
trade mark



Lidia D. WASILEWSKA
professor, laboratory head

Department of Plant Biochemistry
Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-85-94, 49-01-71 ex. 502
fax 39-12-16-23

research (key words):

plant molecular biology

commercial products:

[32P]-radiobiopreparations, nucleosides and nucleotides
labelled in different positions

Krzysztof WERNER
Ph.D.

Department of Chemical Engineering
Institute of Industrial Chemistry
ul. Rydygiera 8, 01-793 Warszawa
phone (22) 38-80-21

research (key words):

biofilters

application of research:

waste gas purification

Bernard WIELGAT
associate professor,
deputy director,
laboratory head

Department of Plant Biochemistry
Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-04-03
fax 39-12-16-23

research (key words):

plant genome regulation, tissue and cell culture,
plant pathogenes

application of research:

potatoes breeding

service available:

potatoes and tobacco tissue culture, micropropagation
on laboratory scale

technology and/or know-how available:

plant tissue culture, transformation, somaclonal variation

Szczęśny M. WIELGOSZ
assistant professor

Department of Mutagenesis
Institute of Human Genetics
Polish Academy of Sciences
ul. Strzeszyńska 32, 60-479 Poznań
phone (61) 22-13-12, 23-30-11 ex. 259
fax 23-32-53

research (key words):

genetics, mutagenesis

technology and/or know-how available:

assessment of genotoxicity *in vivo* and *in vitro* (cytogenetics,
DNA-repair, DNA-adducts)

**Kazimierz L.
WIERZCHOWSKI**
professor,
head of the Department
of Biophysics,
member of the Polish
Academy of Sciences

Department of Biophysics
Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 48-09-13
fax 39-12-16-23

research (key words):

molecular biophysics, transcription initiation, recombinant DNA
technology, intramolecular electron transfer in proteins

Maria WIŚLIŃSKA

senior specialist,
ISO/TC 34/SC 3
secretary

Department of Standardization of Agriculture Food Products
Polish Committee for Standardization,
Measures and Quality Control
ul. Elektoralna 2, 00-139 Warszawa
phone (22) 27-41-15
fax (22) 20-83-78

research (key words):

fruits and vegetables products, test methods

application of research:

standardization and quality control

service available:

determination of content of compounds and contaminants, standardisation of analytical methods, exchange of information concerning methods of tests of fruits, vegetables, and derived products

Michał WITT

Ph.D., researcher

Institute of Human Genetics
Polish Academy of Sciences
ul. Strzeszyńska 32, 60-479 Poznań
phone (61) 23-30-11
fax (61) 23-32-35

research (key words):

molecular genetics of human diseases

Stanisław WRÓŃSKI

professor

Department of Chemical Reactors and Bioprocess Engineering
Institute of Chemical and Process Engineering
Warsaw Technical University
ul. Waryńskiego 1, 00-645 Warszawa
phone (22) 25-14-40
fax 25-14-40

research (key words):

up- and down-stream processing, separation

Wiesław WZOREK

associate professor

Faculty of Food Technology
Warsaw Agricultural University
ul. Rakowiecka 26/30, 02-528 Warszawa
phone (022) 49-22-51 ex. 231

research (key words):

wine, juice and beer technology

application of research:

wine technology



Andrzej S. ZABŹA

professor,
vice-president of
the Biotechnology
Committee of the
Polish Academy
of Sciences

Department of Chemistry
Technical University of Wrocław
ul. Wybrzeże Wyspiańskiego 27, 50-370 Wrocław
phone (71) 20-34-46
fax (71) 22-36-64

research (key words):

chemistry of natural products, chemical ecology, insect growth regulators, biotransformations, fungi-insect parasites

application of research:

insect control

**Włodzimierz
ZAGÓRSKI-OSTOJA**

professor,
director of the Institute of
Biochemistry and Biophysics

Department of Protein Biosynthesis
Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 48-09-14, 39-12-16-23
fax international 39-12-16-23

research (key words):

virology, translation, yeast, plant transformation towards virus resistance

application of research:

agriculture, detection of viruses

Zofia ZARĘBSKA

associate professor,
laboratory head

Institute of Biochemistry and Biophysics
Polish Academy of Sciences
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-01-71 ex. 523
fax 39-12-16-23

research (key words):

human anti-proteinase inhibitor, photobiology of psoralens, DNA and lipids photodamage

application of research:

medicine

commercial products:

rabbit immune sera (anti-elastase, anti-DNA-psoralen-photo-adducts) for research

Maciej ZENKTELER

professor,
head of the laboratory

Faculty of Biology
Adam Mickiewicz University
Al. Niepodległości 14, 61-713 Poznań
phone (61) 52-56-03
fax 53-55-35

research (key words):

experimental plant embryology, *in vitro* fertilization, embryo culture, micropropagation of woody plants, anther culture

application of research:

production of hybrid plants, micropropagation of plants, production of haploids

Janusz ZIMNY
assistant professor

Department of Tissue Culture
Institute of Plant Breeding and Acclimatization
Radzików, 05-870 Błonie
phone (22) 55-26-11, 55-36-11
fax 55-47-14

research (key words):

in vitro culture, cereals, transformation, somatic embryogenesis

application of research:

plant breeding

**Regina
SAWICKA-ŻUKOWSKA**
Ph.D., laboratory head

Department of Technical Microbiology and Biochemistry
Institute of Biotechnology of the Agricultural and Food Industry
ul. Rakowiecka 36, 02-532 Warszawa
phone (22) 49-02-41, 49-01-71
telex 81-38-45 ips pl

research (key words):

enzyme preparation, microorganism, culture methods

application of research:

production of microbial enzyme preparations

