The Central Food Research Institute was founded in 1959 to provide the tasks which cover several branches of the food industry. The Institute is directed by the Food Industrial Division of the Ministry of Food and Agriculture, it operates in a profit-oriented budgetary management system and performs researches based on the development of the food industrial enterprises.

The tasks of the Institute are as follows:

- Food scientific and food technological research covering the food industry as a whole or several branches of the industry
- Food industrial research-econometric and microeconomic tasks
- Coordination of the food scientific and food technological researches in Hungary
- Comparative analysis of results in national and international research and in management
- Information, data provision

Managers of the Institute are:

General Director: PROF. DR. P.A. BIACS (tel.: 354-569)
Managing Director: DR. I. ORBÁNYI (tel.: 158-674)
Deputy Scientific Director: DR. L. VAMOS-VIGYÁZÓ (tel.: 155-408)
Business Executive: J. TÓTH (tel.: 155-815)

Research Departments of the Institute:

**FOOD CHEMICAL DIVISION**

The Division elaborates instrumental and enzymic food analytical methods to determine food components (aromas, vitamins, essential amino acids, etc.) of high value; it deals with the detection of natural additives (e.g. nucleic acids) and of unwholesome contamination components (e.g. mycotoxins). Among others its tasks are to develop new technological processes based on biochemical principle and also to qualify production technologies on the basis of decreasing the value of target components.

Head of the Division: DR. A. HALÁSZ
Sections: Section of Analytical Chemistry
(1022 Budapest, Herman Ottó út 15.)
head: Dr. M. Petrő-Turza (tel.: 155-990)
Section of Biochemistry
(1022 Budapest, Herman Ottó út 15.)
head: Dr. A. Halász (tel.: 350-517)

**FOOD PHYSICAL DIVISION**

The Division determines the physical properties of foods and deals with the development of instruments and methods necessary for the determination; it explores the connection between the physical parameters and the consistency of foodstuffs, follows the changes of the physical characteristics during processing, storage and transport. The System and Computer Technical Laboratory applies and propagates the modern equipments of the computer technique and the automatic control of the food industrial production.

Head of the Division: DR. I. KISS
Sections: Section of Measurement Techniques
(1111 Budapest, Budafoki út 59.)
head: Dr. K. Kaffka (tel.: 252-401)
Section of Measurement Methodology
(1111 Budapest, Budafoki út 59.)
head: Dr. J. Gönczy (tel.: 252-405)

**FOOD BIOLOGY DIVISION**

The task of the Division is to study the wholesome and unwholesome microorganisms in order to elaborate biotechnological and food preservational procedures. Microorganisms, new and of improved property and starters are cultivated and also the development and application of microbiological methods are being dealt with. Preservation and storage procedures are worked out and put into industrial use by utilizing radiation energy and its combined treatments. The pilot plant operates in the framework of the AGROSTER Joint Irradiation Enterprise. Nutrient utilization and animal feeding tests are performed in the experimental animal house of the Biological Section.

Head of the Division: DR. I. KISS
Sections: Section of Microbiology
(1022 Budapest, Herman Ottó út 15.)
head: Dr. I. Kiss (tel.: 152-028)
Section of Biology
(1111 Budapest, Budafoki út 59.)
FOOD TECHNOLOGICAL DIVISION

The Division deals with research adaptation, application and development in order to modernize the available food industrial technologies and products and to introduce new procedures. In the interest of the economic production of foods which suit the requirements of nutrition and have low energy and high dietary fibre content and are completed in proteins, the Division examines the possibility of application of enzymes, of procedures requiring reduced energy and material (ultra filtration, dielectic technique, vacuum drying, aseptic procedures) and also that of the new additives, packaging materials and techniques considering the environmental points of view.

Head of the Division: **DR. B. CZUKOR**

Sections:
- Section of Bioengineering
  (1111 Budapest, Budafoki út 59.)
  head: Dr. K. Zetlakai-Horváth (tel.: 252-403)
- Section of Product Development
  (1022 Budapest, Herman Ottó út 15.)
  head: Dr. J. Petres (tel.: 354-824)
- Section of Technology
  (1022 Budapest, Herman Ottó út 15.)
  head: Dr. Zs. Salay-Horváth (tel.: 359-867)

FOOD ECONOMICS DIVISION

The tasks of the food economical researches among others are the examination of the effectiveness, the economy of food scientific, food technological and nutritional researches performed at the Institute. Activities of some food industrial branches and enterprises are to be economically evaluated and based to promote the success of the innovation factors, that help to improve enterprise effectiveness by analysing costs, prices and profits, through changing labour demands and work power composition, analyses the internal management and determines the practical utilization of the energy resources. In this connection, the Division deals with the economic questions of process, product- and technological development, and follows the level, modernization, utilization and development of fixed assets. The documentation activities on economic themes have gaining and ever greater emphasis; the "Economic problems of the Food Industry" (Az Élelmiszeripar Gazdasági Kérdései) is a quarterly and compiled by this Division.

Head of the Division: **DR. L. KOZMA** (tel.: 684-209)

Sections:
- Section of Company Management
  (1036 Budapest, Lajos utca 160–162)
  head: Dr. M. Szőke (tel.: 884-370 ext. 197)
- Section of Technical Development Economics
  (1036 Budapest, Lajos utca 160–162)
  head: P. Gerely (tel.: 884-370 ext. 256)
- Section of Economic Documentation
  (1036 Budapest, Lajos utca 160–162)
  head: Dr. T. Bátsai (tel.: 687-606)

SECTION OF SCIENTIFIC PLANNING AND INFORMATION

The Section operates in group-organization directly under the direction of the Institute's general director.

The Group of Coordination organizes, coordinates research target programmes and collects these results in cooperation with research institutes of different branches of the food industry and with other R&D institutions, locations, etc. Connections are maintained with scientific organizations and the related tasks are coordinated, and also the secretariat tasks of the Complex Committee on Food Science of the Hungarian Academy of Sciences – Ministry of Agriculture and Food are performed. Furthermore, the group prepares the scientific plans of the Institute and organizes panels and other meetings to discuss and introduce the results achieved.

The Group of Information reports about the results of the Institute; participates in the food industrial and scientific information and propaganda work, in the edition of publications (list of publications, list of research reports, studies on the new results in research, etc.) and in news compilation for journals published in the field of the food industry. Acta Alimentaria – an international quarterly on food science published in English – is also edited by the Group.

Head of the Section: **DR. I. VARSÁNYI** (1022 Budapest, Herman Ottó út 15; tel.: 155-408)

Groups:
- Group of Coordination
  head: Dr. M. Harkay-Vinkler (tel.: 350-531)
- Group of Information
  head: V. Hufnacher-Balogh (tel.: 358-145)

LIBRARY

It procures and catalogues journals and books needed for the research work. The Library participates in the illustration of research results with the reprographic, photo and translation services.

Head of the Library: **E. PETHŐ-OLTAY** (1022 Budapest, Herman Ottó út 15; tel.: 551-743)

SECTION OF INTERNATIONAL CONTACTS

The Section prepares, organizes the international collaborations of the Institute and follows their execution. The travels to abroad and the reception plans are compiled here, the Section requests foreign grant permission for the staff of the Institute and obtains the necessary travel documentation.

Head of the Section: **E. TÓTH** (1022 Budapest, Herman Ottó út 15; tel.: 154-898)

FINANCIAL–TECHNICAL MANAGEMENT

It is responsible for the financial, labour, accounting and technical tasks connected with the operation of the Institute. It organizes, executes and continuously controls the planning, accounting, financial, statistical and administrative management tasks, of the planned utilization – of approved allocations and available resources, of fixed and semi-fixed assets required for the activities of the Institute; provides manpower and payroll management and also it ensures on a continuous basis the technical conditions for the operation of the Institute.

Head: **J. TÓTH** – business executive (1022 Budapest, Herman Ottó út 15; tel.: 155-815)

Dr. A. Hersiczky – head of the Section of Maintenance (tel.: 358-144)
INVENTION AND PATENT MATTERS

Dr. T. Endrödi — company solicitor (1022 Budapest, Herman Ottó út 15; tel.: 354-824)
P. Sárdány — scientific secretary (1022 Budapest, Herman Ottó út 15; tel.: 354-962)

Enterprise working associations (VGMK)

BIOSTORE-KÉKI STORAGE BIOLOGICAL VGMK

It deals with the elaboration of storage and preservation procedures of food industrial basic and by-products, half- and end products, fresh fruits, vegetables, mushrooms and dried products but also with the desinestation of dried products and cereals. Experiments are undertaken to determine the biological and chemical consistency of raw- and end products and of the quality damaging factors.

Representative: DR. E. KOVÁCS (1022 Budapest, Herman Ottó út 15; tel.: 157-341)

Associations, unions and joint enterprises

The Central Food Research Institute actively participates in the formation of the innovation chain. For this reason, the Institute has wide-range connections with different companies, enterprises and economic organizations. Besides the contractual relationship with the 28 production enterprises, the Institute participates in the following associations as member:

AGROSTER IRRADIATION JOINT ENTERPRISE

Expert representative: DR. I. KISS, head of scientific division.

PROTEIN TECHNOLOGICAL SCIENTIFIC RESEARCH DEVELOPMENT PRODUCTION UTILIZATION—MARKETING ASSOCIATION

Expert representative: DR. B. CZUKOR head of scientific division.

HUNGARIAN PAPRIKA RESEARCH DEVELOPMENT SOCIETY

Expert representative: DR. M. HARKAY—VINKLER, senior member.

PROCOMP—KÉKI VGMK

It deals with computer data processing and system organization — with programming — measuring and general data processing, with office management computerization in the form of organizational studies, summing ups and conception system plans. Besides, the group works out production control system by measuring techniques of technological processes, automatization, with traditional instruments, computer and microprocessor (DDC+ PLC).

Representative: DR. G. BÍRÓ (1111 Budapest, Budaöeki út 59; tel.: 868-139)

INFRAPID UNION

Expert representative: DR. K. KAFFKA head of scientific division.

ANIMAL FEEDING RESEARCH DEVELOPMENT PRODUCTION ENTERPRISE AT KAPOSVÁR

Expert representative: DR. B. CZUKOR head of scientific division.

KOPAKI—UNIVERSITY OF HORTICULTURE—KÉKI RESEARCH TARGET ASSOCIATION

Expert representative: DR. ZS. SALLAY-HORYÁTH head of scientific section.

In all associations, as the member of the board, the Institute’s representative is J. Tóth, business executive.
Locations of the Central Food Research Institute, Budapest