

### FINAL REPORT

<b>I</b>	<b>The Name of the Institution to be evaluated</b>	IBA – Bucuresti
<b>II</b>	<b>Evaluation Period</b>	30/04/2012 – 01/05/2012
<b>III Members of the Team</b>		
	<b>1<sup>st</sup> Evaluator information</b>	
<b>A</b>	<b>Name, Surname</b>	Prof. Dr. Semih Otles
<b>B</b>	<b>Affiliation</b>	Ege University, Turkey
	<b>2<sup>nd</sup> Evaluator information</b>	
<b>A</b>	<b>Name, Surname</b>	Prof. Dr. Radovan Kasarda
<b>B</b>	<b>Affiliation</b>	Agriculture University, Slovakia
	<b>3<sup>rd</sup> Evaluator information</b>	
<b>A</b>	<b>Name, Surname</b>	Prof. Dr. Nicolas Loiseau
<b>B</b>	<b>Affiliation</b>	French National Institute for Agricultural Research, France
	<b>4<sup>th</sup> Evaluator information</b>	
<b>A</b>	<b>Name, Surname</b>	Prof. Dr. Wolfgang Souffrant
<b>B</b>	<b>Affiliation</b>	FBN, Germany
	<b>5<sup>th</sup> evaluator information</b>	
<b>A</b>	<b>Name, Surname</b>	Prof. Dr. Ondrej Kadlecik
<b>B</b>	<b>Affiliation</b>	Agriculture University, Slovakia
	<b>6<sup>th</sup> evaluator information</b>	
<b>A</b>	<b>Name, Surname</b>	Prof. Dr. Costin Ion Popescu
<b>B</b>	<b>Affiliation</b>	Biochemistry Institute, Romania
	<b>7<sup>th</sup> evaluator information</b>	
<b>A</b>	<b>Name, Surname</b>	Prof. Dr. Carmen Diaconu
<b>B</b>	<b>Affiliation</b>	Institute of Virology, Romania

**Observations to Team E1/E2 - Food Chemistry, Colloidal Chemistry**  
**Team Leader: Marta Zachia**

4 scientists and 2 technicians, this team has an average age of 40 years old. Human resources are of good quality and potential (1 PhD, 2 PhD students).

Areas of research: Mineral salts bioavailability from dietary fibers enriched bakery products; Creation of a network for application of a multi-disciplinary approach to sustainable development and management of organic farming in Bulgaria and Romania; The Romanian wheat crop quality; Study regarding the behavior of palm oil used for frying at controlled temperature; Studies regarding the manufacturing of bread products with healthy effects; Collaboration with Consumer Protection Association through Programme and Strategies of Quality Products Promotion in Romania.

5 projects as coordinator, 3 projects as partner. 4 proposals submitted.

Some collaborations with national universities, research institutes and private companies, but lack of international contacts.

1 ISI paper, 13 international and 2 national conferences, 4 international workshops, 7 annuals/books.

Good infrastructure facilities.

The evaluation team members appreciated the good working experiences of this team and its multidisciplinary approach, but recommend the team to be involved more in research instead of survey-type studies. The evaluation team members recommend to this team to increase the number of ISI publication and the number of international partnership in projects to be more internationally visible. We recommend to this team to improve its involvement in bigger (more relevant) international projects.

## **Conclusions and recommendations to the Institute:**

After a close evaluation of this institute according to the criteria: The Quality of R&D activities and their results, The Human Resources Quality, The Quality of Infrastructure and its rate of exploitation, The Management Efficiency and Quality of Research Environment, and the Quality and Credibility of the Institutional Development Plan; IBA received an average mark: 4.4 / 5 (proposed certification level A).

IBA is an important institute in Romania that work in the agrifood science & technology field. This institute perform a good national level of research and the budget increased significantly since 2009. This institute has international projects, too, but their budgets were generally used for restorations and infrastructure of institution. This institute organized really well its sharing and dissemination to be visible internationally. Therefore, we would recommend to try in the future to apply for international patent and to increase its effort to produce international papers and books.

With 42 years old, the average age of the employees provide a good stability, potentiality and ability to perform high international level of research. Moreover, some of the researchers are trained formally (PhD) in international laboratories. Whereas there are 29 % of administrative employees, what it could be consider to high in a European country, this ratio of R&D staff/administrative staff correspond to the classical Romanian ratio.

The infrastructure of this institute is now excellent, and with the adding of some additional instruments the quality of infrastructure will increase the potential for international competitions.

The management of this institute and the quality of the research environment seems to be really appreciated from all the staff. From the general director, to the head of each research team through the scientific director, everyone seems involved in the good quality of the research environment, the respect and the satisfaction of the R&D staff.

The institution needs more clear development plan to maintain its international visibility and develop its research performances.

We recommend to this institute to maintain its efforts in this way. Improvements can be obtained through international patents, start-ups development, but also increasing the number of AIS paper/year/team, being coauthors in international multidisciplinary approach publication.

Without any doubt this institute reached an international level in its field of research dedicated to agrofood sciences.

**Observations to Team E3/E4 + SC2- CHROMATOGRAPHY Laboratory, NUTRITION Laboratory, Fruits and Vegetables PROCESSING PILOT PLANT**

**Team Leader: Eunta Iorga**

7 scientists and 1 technician, this team has an average age of 44.8 years old.

Areas of research: Implementation of performant methodology for determination of nitrate, dioxin (polychlorinated dibenzo-*p*-dioxin - PCDD) and furan (polychlorinated dibenzofuran - PCDF) residues in food, according to EU requirements; Implementation of a performant method for patulin determination from apple juice, in order to assure the food safety; Development and clinical assessment of functional foods intended for prevention and diet therapy of iron deficiencies of vulnerable population groups; Food safety on the vegetables and fruits production and processing chain; Performing technologies and equipment for convective drying of Romanian fruits and vegetables varieties, according to EU quality standards; Elaboration of traceability system for food products safety in the total food chain; Improvement of vegetables, flowers, dendrological plants varieties and hybrids which corresponds to consumer new requirements and introduction the culture of vegetable species less common on our market; Contributions to improve human health by promoting consumption of ecologic, diversified and high nutritive food products.

5 projects as coordinator, 3 projects as partner, 2 ongoing projects.

Some collaborations with national universities, research institutes and private companies, but lack of international contacts.

Accredited by RENAR.

3 ISI paper, 26 BDI-papers, 26 international and 4 national conferences, 3 international workshops, 3 annuals/books.

Patent applications: 9

Well-equipped, good infrastructure and trained personal.

The evaluating team members appreciated the good working experiences of this team and its multidisciplinary approach. The evaluator team members recommend to this team to increase the number of ISI publications and the number of international partnerships in projects and to be more visible internationally. We recommend to this team to improve its involvement in international projects through more relevant projects.

