

Summary report on research accreditation

I. General information

Name of organization	The Institute of Educational Sciences
Organization type (<i>to underline</i>)	<u>Research institute</u> High education institution Ministerial research institute
Research mission of organization	<ul style="list-style-type: none"> -Providing scientific assistance of the educational process through the perspective of the European Area integration; -Setting priority directions of developing and deepening pre-university education reform; -Developing pedagogical, psychological and sociological bases of quality education insurance; -Modernizing the curriculum in terms of subjects' competence training in elementary, secondary and high-school education; -Scientific foundation of evaluation in pre-university educational system; -Standard modernization in pre-university education; -developing psychological benchmarks for grounding education policy; -promoting inclusive education and the integration of children with special education needs; -systematization of principles of didactic instruments development for students' linguistic and literary education; -developing strategies for improving human resources management in education; -developing theoretical and praxiological bases of financial management in education; etc.
Strategic research direction (s)	Capitalization of human natural and informational resources for sustainable development
Evaluated period	2006-2010
Web of organization	ise.md

II. Research capacity (annual average for evaluated period)

Total number of employees	61,2						
Number of scientific researches	38,8						
Number of researches who possess honorific titles, scientific degrees, scientific and scientific-didactical titles	ASM full members	ASM corresp. members	Professor	Associated professor	Dr.hab.	Dr. (PhD)	
			5	6,6	2/5	13	
Number of researches involved in international projects	FP7		STCU		Bilateral		Others
							35
Number of young researches (under 35 years old)	Dr. (PhD)		PhD students			Others	
	3		22,8				
Financial resources (thousand MDL)	Public budget		International projects/grants			Research contracts	
	2605,1		437,7			-	

Distribution of expenditures (thousand MDL)	Salary 2108,4	Infrastructure development 581,7	Other 4634,8
Expenditures for infrastructure development (thousand MDL)	Equipment 131,9	IT infrastructure 449,8	Endowment of experimental resorts -
List of 3 basic research methods, installations, technologies (per accredited field)	Comparative analysis and documentation. Pedagogical experiment: constative, developing and controlling stages. Psychological methods for setting students' performance.		
List of provided scientific services	Scientific Consulting of Regional Departments. Scientific Consulting of Parents. Scientific Consulting of Juridical Institutions.		
List of editorial activities	"Univers Pedagogic" Journal "Univers Pedagogic Pro" Newspaper		

III. Distribution of number of research projects and themes during evaluated period

Institutional projects	2006 10	2007 10	2008 10	2009 10	2010 10
Projects in the frame of State Programmes	2006	2007	2008	2009	2010
Technological transfer projects	2006	2007	2008	2009	2010
Projects for equipment procurement	2006	2007	2008	2009	2010
Projects for young researches	2006	2007	2008	2009	2010
Projects in the frame of bilateral programmes	2006	2007	2008	2009	2010
International projects/grants	2006	2007	2008 1	2009 2	2010 5
List of 3 representative international projects/grants	<p><i>1. Evaluation of School Curriculum in General Secondary Education and Modernizing Educational Standards for General Education (2009)</i></p> <p><i>2. Modernization and Implementation of Curriculum in General Secondary Education and Development of Educational Standards through the perspective of a Child-Friendly School (2009-2011),</i></p> <p><i>3. SALiS (Student Active Learning inn Science)-TEMPUS (2010-2012).</i></p>				
Research contracts	2006 -	2007 -	2008 -	2009 -	2010 -
List of 3 representative research contracts	-				

IV. Scientific publications

Total number of publications abroad	Books 1	Chapters in books -	Journal papers 10
Total number of publications in ISI journals and books	Books -	Chapters in books -	Journal papers -
Total number of publications in the country	Books 60	Chapters in books 24	Journal papers 165
Total number of conference abstracts	International abroad 48	International in the country 400	National 94
List of 5 representative publications (per accredited field)	<p>1. Education Quality. Theories, Principles, and Achievements., coordinators: Pogolşa, L., Bucun, N. , Materials from the International Scientific Conference, IES, 30-31 October, 2008, Part II, Chisinau, CEP USM, 2008. 300 p. ISBN 978-9975-9685-6-0. 18,8 c.a., 26,0 c.a. (<i>Calitatea educației. Teorii, Principii, realizări.</i>)</p> <p>2. School Curriculum Evaluation – Modernization perspectives, coordonators: Pogolşa, L., Bucun, N. Chişinău: IŞE, Print-Caro SRL, 2009. ISBN 978-9975-4069-4-9. 98, 625 c.a. (<i>„Evaluarea curriculumului şcolar – perspectivă de modernizare.”</i>)</p> <p>3. Integral Personality – a Goal of Modern Education, coordinators: Pogolşa, L., Bucun, N., Materials from the International Scientific Conference, IES, 29-30 October, 2010. Chişinău: IŞE, Print-Caro SRL, 2010. 282 p. ISBN 978-9975-4152-4-8 30,82 c.a. (<i>„Personalitatea integrală - un deziderat al educației moderne.”</i>)</p> <p>4. ANDRIŢCHI, V., Methodology of Human Resources Management in School Institution. Chişinău: Prin-Caro SRL, 2009. 133 p. 8 c.a. (<i>Metodologia managementului resurselor umane în instituția școlară.</i>)</p> <p>5. MARTEA G. Management of Financial Resources in Pre-university Education Institutions. Chişinău: IŞE, Print-Caro SRL, 2010. 160 p. ISBN 978-9975-9691-3-0 10,04 c.a. (<i>Managementul resurselor financiare în instituțiile de învățămînt preuniversitar.</i>)</p>		
List of 5 citations	-		

V. Innovation outputs

Total number of patents	Registered in the country -	Registered abroad -	Implemented -
Total number of new developed methods and technologies	Registered 25	Non-registered -	Implemented 25
Total number of new scientific products	Registered 60	Non-registered -	Implemented 122
Total number of scientific outputs for central and local authorities (draft of law, strategies etc.)	87		

Total number of scientific outputs for educational institutions	Handbooks for high education 3	Handbooks for pre-university institutions 22	Delivered university courses 96
List of 5 representative innovation outputs (per accredited field)	<ul style="list-style-type: none"> -Developed the evaluative criteria and methodology of school curriculum; -Developed and implemented in schools over 60 new subject curricula in terms of a Child-Friendly School; -Developed the modernized curricula implementing methodology; -Developed the educational standards for elementary, secondary and high-school education; -Theoretically grounded the conceptual framework and the axiological referential for forming/developing an integral personality (from the perspective of a new educational ideal). 		

VI. Major scientific and innovation achievements

Short description of main scientific results and its confirmation (by awards, citations, development of international projects etc.)	<p><i>The most important scientific theoretical results:</i></p> <ul style="list-style-type: none"> -Argued the structure of the social, affective, cognitive, verbal, motor, voluntary and motivational behaviours of the little and medium preschool age children in order to modernize this stage education. -Developed the theoretical landmarks for linguistic education of children from the mixt communicative environment kindergarten; -Grounded the theoretical methodology of pupils' axiological orientations in teaching-learning-evaluation technologies within socio-humanitarian subjects; -Established the general and specific competence system in teaching-learning-evaluation process within socio-humanitarian subjects; -Grounded theoretically and scientifically the system of objectives, contents and learning activities for Civic Education; -Developed the bases of financial resources management in the educational institution; -Developed the methodological framework of planning and authentic evaluation of school competences; -Psycho-pedagogically argued the model of Scientific Knowledge Competence in the interdisciplinary context of Mathematics and Science for high-school level; -Set the conceptual landmarks of communicative-linguistic and literary-artistic education of students within Language and Communication curriculum area: ideas, concepts, principles, theories, paradigms of forming educated speakers and readers; -Set the students' learning motivation peculiarities, determinant factors and psychological principles of developing a motivation for learning and personal growth; -Found the peculiarities of parental attitudes towards children with special educational needs (SEN) , of parents and educators' needs of in order to communicate and set the efficient relationships; realized the analysis of parents and teachers' role in the process of social competences development; -Developed the project of School and Social Integration Concept of Children with SEN. <p><i>The most important applicable results are:</i></p> <ul style="list-style-type: none"> -school performance authentic evaluation tools/instruments;
--	---

	<ul style="list-style-type: none"> -recommendations on psychological diagnosis methods and procedures; -Pedagogical model of Scientific Knowledge Competence in the interdisciplinary context; -Curricular development strategy in school competence vision; -Actions to integrate new education subjects within school curricula (environmental education, intercultural education, free time education); -Criteria and methodology of school curriculum evaluation; -Axiological referential of personality forming/developing; - Concealing models for didactic staff on evaluation and ways to communicate with children; -Prophylactic programs to reduce emotional stress in different school situations; -Models of financial resources management in pre-university education; -Managerial instruments for planning human resources, means and contents for their integration in educational institution; -Strategies to facilitate the educational environment adaptation process for school beginning; -Contemporary adolescent profile- psychosocial premises for performance standards development in pre-university education. 				
Number of organization' invited speakers at international conferences	2006 3	2007 12	2008 2	2009 33	2010 10
Short description of technological transfer and innovation results and its certification by implementation	<p>The research results realized within the Institute of Educational Sciences: (1) promote the idea of a modern vision on the educational process realization in the context of developing cultural and intellectual students' profile at every stage /level of education; (2) regard psycho-pedagogical methodology of integral student's personality development in the national education; (3) propose as a technical action a complex methodology of evaluation of the school curriculum quality for its improvement and modernization;(4) propose a complex methodology of educational standard evaluation; (5) contain recommendations of actions, models and instruments of evaluation and planning used by the experts in the process of modernizing the educational standards and subject curricula; (6) provide the methodology of an integrated organization of civic education activities; (7) promote the methodology of psychological school preparation of children; (8) propose models of modernizing of over 60 curricula subjects, of over 30 methodologies of modernized Competence-based Curricula implementation; (9) advance integrated humanistic contents to provide the development of child's personality and his/her education in the spirit of love for the country.</p> <p style="text-align: center;">All these achievements are implemented in pre-university education by policies, normative acts, school curricula, educational plans, teaching methods, and contribute to the development of a quality education in the Republic of Moldova.</p>				
Number of defended dr.hab. and dr. theses per year	2006 4	2007 2	2008 3	2009 5	2010 2

VII. Present/further involvement in the Seventh Framework Programme (FP7): specific programmes (Cooperation, Ideas, People, Capacities) of interest and its sub-divisions.

The perspective involvement of the institute in the Seventh Framework Programme will refer to the programmes of interest from the following divisions:

- Cooperation: Socio-Economic Sciences and the Humanities, and General Activity;
- People: Marie-Curie Actions;
- Ideas: ERC
- Capacities: Science in Society; Activities of International Cooperation; Research Potential; Regions of Knowledge, and Research for the benefit of SMEs.

VIII. Accredited research field and its evaluation by the National Council for Accreditation and Attestation of the Republic of Moldova (very good/good/satisfactory)

Pedagogical and psychological bases of education (good)

IX. Category (A/B/C) attributed by the National Council for Accreditation and Attestation of the Republic of Moldova to the organization

An international competitive organization (category B)

X. Institutional development actions planned for the next 5 years (maximum ½ page).

1. Scientific grounding of an ideal and of educational values for educational system efficiency;
2. Developing theoretical and methodological bases of the quality school system management;
3. Developing referential system of pedagogical evaluation and students' performance evaluation;
4. Developing psychological bases of students' school orientation and social inclusion;
5. Developing of a new elementary, secondary and high-school education framework-plan;
6. Developing economic-financial mechanisms of education efficiency;
7. Coordination of scientific researches in the field of education, realized in different pedagogical institutions. Establishing of a Researcher's Coordination National Council in Pedagogy and Psychology;
8. Intensifying the training process of teachers with scientific degree not only for university departments, but also for pre-university education departments in order to form scientific research competences of growing generation;
9. Involvement of psycho-pedagogical research of the Academy of Sciences scientific staff to promote scientific innovation in educational contents of the country;
10. Technological transfer in the process of psycho-pedagogical research achievements in related fields (medicine, biology, physics, philosophy, economics, etc.);
11. Promoting trainings in the countries with well-known psycho-pedagogical researches;

- 12.** Establishing national and international scientific database in psycho-pedagogy;
- 13.** Increasing the number of foreign authors in the scientific journal “Univers Pedagogic”;
- 14.** Development of early education as a foundation of personality development;
- 15.** Conceptualization of the educational system and labour market integration;
- 16.** Identification of social, psychological and pedagogical training of human resources for the national economy;
- 17.** Developing students’ mental health care system, and promoting healthy lifestyle system.