

Summary report on research accreditation

I. General information

Name of organization	Comrat State University
Organization type (<i>to underline</i>)	Research institute <u>High education institution</u> Ministerial research institute
Research mission of organization	To maximize success in research and innovation for CSU's faculties, students, and staff, as well as to comply with all required standards of research administration
Strategic research direction (s) of activity in the field of science and innovation for 2013-2020	1. Materials, technologies and innovative products 4. Biotechnology 5. National heritage and the development of society.
Evaluated period	2010-2014
Web of organization	www.kdu.md

II. Research capacity (annual average for evaluated period)

Total number of employees	319					
Number of scientific researches	107					
Number of researches who possess honorific titles, scientific degrees, scientific and scientific-didactical titles	ASM full members -	ASM corresp. members -	Professor 10	Associated professor 18	Dr.hab. 9	Dr. (PhD) 50
Number of researches involved in international projects	FP7 -	STCU -	Bilateral -	Others		
Number of young researches (under 35 years old)	Dr. (PhD) 6		PhD students 7		Others 19	
Financial resources (thousand MDL)	Public budget 3398.7		International projects/grants 221.1		Research contracts -	
Distribution of expenditures (thousand MDL)	Salary 3222.6		Infrastructure development 207.4		Other 189.8	
Expenditures for infrastructure development (thousand MDL)	Equipments 92.4		IT infrastructure 115.0		Endowment of experimental resorts -	
List of 3 basic research methods, installations, technologies (per accredited field)	<p style="text-align: center;">Accredited field <i>Innovative development of the regional agrarian and economic sector</i></p> <ol style="list-style-type: none"> 1. Graphical method, monitoring, experimentation, modelling; 2. Analysis and synthesis, systematic approach; 3. Method of scientific abstractions <p style="text-align: center;">Accredited field <i>Human resources in multicultural environment</i></p>					

	<ol style="list-style-type: none"> 1. Graphical method, monitoring, experimentation, modelling; 2. Analysis and synthesis, systematic approach; 3. Method of scientific abstractions
List of provided scientific services	-
List of editorial activities (journal publishing)	-

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

ASM institutional projects	2010 -	2011 -	2012 -	2013 -	2014 -
ASM projects in the frame of State Programmes	2010 -	2011 -	2012 -	2013 -	2014 -
ASM technological transfer projects	2010 -	2011 -	2012 1	2013 1	2014 1
ASM projects for equipment procurement	2010 -	2011 -	2012 -	2013 -	2014 -
ASM projects for young researches	2010 -	2011 -	2012 -	2013 -	2014 -
ASM projects in the frame of bilateral programmes	2010 -	2011 -	2012 -	2013 -	2014 -
International projects/grants	2010 -	2011 -	2012 3	2013 3	2014 3
List of 3 representative international projects/grants	<ol style="list-style-type: none"> 1. Inter-university Start-up centers for students innovations development & promotion. 530349-FR-JPHES TEMPUS- SUCSID. Coordinator: PhD, assos.prof. Ghenova. Period: 2012-2015 2. European Neighbourhood Policy Law and Good Governance.530391-SIJPCR TEMPUS- EUNEG. Coordinator: PhD, assos.prof. Ghenova. Period: 2012-2015 3. Leading and Managing Change in Higher Education .530621-BG-JPGR TEMPUS- La MANCHE. Coordinator: PhD, assos.prof.Sirkeli V.P. Period: 2012-2015 				
Research contracts	2010 -	2011 -	2012 -	2013 -	2014 -
List of 3 representative research contracts	-				

IV. Scientific publications

Total number of publications abroad	Books 1	Chapters in books 6	Journal papers 35
Total number of publications in ISI	Books	Chapters in books	Journal papers

journals and books	-	-	9
Total number of publications in the country	Books 35	Chapters in books 8	Journal papers 85
Total number of conference abstracts	International abroad 89	International in the country 63	National 167
List of 5 representative publications (per accredited field)	<p>Accredited field <i>Innovative development of the regional agrarian and economic sector</i></p> <ol style="list-style-type: none"> 1. LEVITSKAIA A. Regional development of the republic of Moldova: problems and prospects. EURAS ACADEMIC JOURNAL. Volume 1, No:3, Istanbul/ Turkey, 2013, p.84-92. 2. GHENOVA S., CURAXINA S. Aspectele de basă ale modernizării sectorului agrar în condițiile gestiunii anticriza. Revista «Economica». 2011, nr.2(76), p. 90-95, (0,26 c.a.), ISSN 1810- 9136. 3. АРИКОВА З., ГАИНА Б., РОТАРУ А., ТАРАСОВ А. Менеджмент качества винодельческой продукции. Монография. АН Республика Молдова, Комратский Государственный Университет, Кишинев/ Комрат, 2013, 168 с. (20,96. с.а.) ISBN: 978-9975-4282-9-3 4. ЛЕВИТСКАЯ А.П. Проблемы и тенденции инновационного развития РМ: региональный аспект. Монография/Левитская А.П.; Комрат. Гос. Ун-т.- Комрат: Б.И., 2014 (Tipogr. “A&V Poligraf”). - 262 p. (8,85 с.а.), ISBN 978-9975-4266-4-0 5. ПАРМАКЛИ Д., АГАФОНОВ В., СУСЛОВ С., Продовольственное обеспечение и эффективность зернового производства. Монография.- Нижегородский государственный инженерно-экономический институт, Княгинино, Россия, 2013, 194 с. ISBN: 978-5-91592-043-8 <p>Accredited field <i>Human resources in multicultural environment</i></p> <ol style="list-style-type: none"> 1. BANKOVA I., BABOGLU I., STOLETNAYA A., VASILIOGLU K., BABOGLU N. Gagauz dili hem literatura. 9-uncu klas. - Chişinău: Ştiinţa, 2010, 304 p., ISBN 978-9975-67-676-2. 2. ЯНИОГЛО М. Ассертивное общение. Учебное пособие: куррикулум интегрированного курса. Комрат: Universitatea de Stat din Comrat, 2014. – 112 p. ISBN 978-9975-4440-6-4. 3. ДРОЗД Г., КУРТЕВА О. Родное слово. Русский язык. Учебник для 4 класса. Кишинев: Vector, 2013. – 224 p. ISBN 978-9975-4123-1-5. 4. CUȚITARU N. Alchimia verbului. Studiu monografic, Chişinău: Gunivas, 2013, 176 p. ISBN 978-9975-4467-1-6 5. V.P. SIRKELI, O. YILMAZOGLU, F. KÜPPERS, and H.L. HARTNAGEL, “Effect of p-NiO Interlayer on Internal Quantum Efficiency of p-GaN/n-ZnO Light-Emitting Devices”, Journal of Nanoelectronics and Optoelectronics, vol. 9, no.6 (2014), p.811-818. DOI: 10.1166/jno.2014.1687 		
List of 5 citations			

V. Innovation outputs

Total number of patents	Registered in the country 1	Registered abroad -	Implemented -
Total number of new	Registered 1	Non-registered 5	Implemented 2

developed methods and technologies			
Total number of new scientific products	Registered 1	Non-registered 1	Implemented 1
Total number of scientific outputs for central and local authorities (draft of law, strategies etc.)	1		
Total number of scientific outputs for educational institutions	Handbooks for high education 3	Handbooks for pre-university institutions 8	Developed university courses 49
List of 5 representative innovation outputs (per accredited field)	Accredited field <i>Innovative development of the regional agrarian and economic sector</i> 1. PROȚIUC NATALIA Single-use syringe. Patent no. 759 (13) Y. 20.01.2013. MD-BOPI 4/2014, p.34 2. Technology of production of grape-vine planting material		

VI. Major scientific and innovation achievements

Short description of main scientific results and its confirmation (by awards, citations, development of international projects etc.)	Accredited field <i>Innovative development of the regional agrarian and economic sector</i> 1. As the type and quality of planting material influences the growth and productivity of plantations, a technology of production of grape-vine planting material, which takes in account the quality of stock and scions used in grafting, was elaborated. 2. The algorithm of the personnel complex assessment, which allows increasing the efficiency of company's personnel policy, was developed. 3. A procedure of assessment of economic stability of an agriculture enterprise was developed. Accredited field <i>Human resources in multicultural environment</i> 1. The e-learning courses (ca. 40 courses) for MOODLE platform, as well as the respective pedagogical methodology to use multimedia and e-learning tools in higher education were developed. 2. The Gagauz language learning books for all classes of gymnasium and lyceums and the Gagauz-Romanian dictionary were developed and published. 3. The teaching methodology of history, law, culture, Gagauz and Romanian literature and language in context of multiculturalism and European integration of Moldova were developed.				
Number of organization' invited speakers at international conferences	2010 8	2011 8	2012 9	2013 11	2014 17
Short description of technological transfer and innovation results and its certification by implementation	Accredited field <i>Innovative development of the regional agrarian and economic sector</i> 1. An invention related to medical disposables and namely to a single-use syringe was patented in 2013. The syringe is characterized by a low « dead » volume.				

	<p>2. The technology of production of grape-vine planting material was implemented in SC Tomai-Vinex S.A. Also, the production of varieties, clones of wine grapes was modernized.</p> <p>3. A technology aiming the integrated protection of peach in southern zone of Moldova was implemented.</p> <p>4. The potential of increasing the volume of net profit of SRL „Cumnu agro”, CSP „Daalar duzu”, and kolkhoz „Pobeda” was identified.</p> <p>5. A previously patented method (patent № 3360) of treatment of viruso-bacteriene enteritis at calves was implemented.</p> <p>6. The economic efficiency of innovative technology of machinery production for wood processing (for the purposes of furniture production) without scrap was justified. The work was performed on the base of SRL Goliat-Vita.</p> <p>7. Grateful to financial support of Academy of Sciences of Moldova, offered through two technological transfer projects, the Innovation Incubator InnoCenter KDU was created.</p>				
Number of defended dr.hab./dr. theses per year	2010 -	2011 0/1	2012 0/3	2013 0/5	2014 0/6

VII. Present/further involvement in the Seventh Framework Programme (FP7)/HORIZON 2020

Assoc. Prof. Dr. V. Sirkeli submitted the research proposal for MC-IEF call in 2013.

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

- 1) *Innovative development of the regional agrarian and economic sector – satisfactory;*
- 2) *Human resources in multicultural environment – satisfactory.*

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

Category C

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

- a. to publish at least 1 paper per year in international peer-reviewed journal with impact factor and indexed by ISI Thomson Reuters or Elsevier Scopus and at least 4 papers in other international recognized journals and books;
- b. to submit at least 1 research project per year under FP7 programme;
- c. to submit at least 3 proposal per year for international grants (Erasmus+, DAAD, etc.);
- d. to increase the number of defended PhD thesis to 1 dr. hab. thesis and 3 PhD thesis per year,
- e. to promote young researchers and teachers for PhD and Post-doc studies (2-3 per year);

- f. to monitor and evaluate the presented information in Romanian and Gagauz languages;
- g. to improve the web-site of CSU with more focus on science and research.