

Program	Plan Sectorial al MADR 2015-2018 - ADER 2020
Project Leader	National Research Development Institute for Animal Biology and Nutrition (IBNA) Balotesti
Project title (ENG):	More efficient capitalization of the industrial by-products by developing for farm animals innovative nutritional strategies friendly to animal, human and environment, component of sustainable agriculture
Project title (RO):	Eficiențizarea valorificării subproduselor industriale prin dezvoltarea pentru animalele de fermă a unor strategii nutriționale inovative prietenoase față de animal, om și mediu, componentă a agriculturii durabile
Duration	2015-2018
Team Leader Partner 1	Senior Researcher Eng. Virgil Criste
Summary (short description) ENG	<p>The project follows the developing of new nutritional strategies made up of innovative complex feed recipes for farm animals, friendly to animals, humans and the environment; database of by-products, with nutritional interest for animals, with their characterization and impact in the price of feed; know-how on superior capitalization of "low cost" by-products resulting from national food industry through the new nutritional solutions. In the project are experimenting the new nutritional solutions for laying hens, broilers, fattening pigs and dairy cows.</p> <p>The INCD ECOIND project team activities consist in determining from the samples of by-products and compound feed the compounds with risk potential for animal welfare and the environment, identifying the risk factors and assessing the impact of application of the nutritional solutions for animals and the environment through microbiological and heavy metals determinations in manure samples, selection of the nutritional solution based on production / product quality / cost / environmental impact performance that can be recommended for farmers.</p>
Summary (short description) RO	<p>Proiectul urmareste elaborarea de noi strategii nutritionale alcatuite din retete furajere complexe cu caracter inovativ pentru animalele de ferma, prietenoase fata de animal, om si mediu; baza de date privind subprodusele de interes nutritional pentru animale cu caracterizarea lor si cu impactul in pretul furajelor; know how-ul privind valorificarea superioara a subproduselor "low cost" rezultate din industria nationala alimentara prin noile solutii nutritionale. In cadrul proiectului se experimenteaza noile solutii nutritionale pentru gaini ouatoare, pui broiler, porci la ingrasat si vaci de lapte. Activitatile echipei INCD ECOIND in proiect constau in determinarea din probele de subproduse si de nutreturi combinate a compusilor cu potential de risc pentru bunastarea animalelor si mediu, identificarea factorilor de risc si evaluarea impactului aplicarii solutiilor nutritionale pentru animale asupra mediului prin determinari microbiologice si de metale grele in probele de dejectii si selectarea solutiei nutritionale, pe baza performantelor de productie /calitate produs/cost/ impact de mediu, care poate sa fie recomandata pentru fermieri.</p>
Dissemination of results	
Full-paper BDI	Panaite, T., D., Criste, R., D., Ropota, M., Criste, V., Vasile, G., Olteanu, M., Mitoi, M., Socoliuc, R., Vlaicu, Al., Determination of the feeding value of food industry by-products, <i>Lucrari stiintifice Seria Zootehnie USAMV Iasi</i> , 2016, vol 66 (21), pag 106-111.

Full-paper BDI	Criste, V., Panaite, T., D., Banciu, A., Vasile, G., Criste, R., D., Arama, M., Use of analytical hierarchy process based on production performance/cost/environmental impact, in evaluating the efficiency of compound feeds formulations for laying hens, <i>Lucrari stiintifice Seria Zootehnie USAMV Iasi</i> 2016, vol 66 (21), pag 141-148
Patents	Panaite, T., D., Criste, R., D., Ropota, M., Olteanu, M., Criste, I., V., Vasile, G., Soica, C., Reteta furajera pentru obtinerea de carne de pui imbogatita in acizi grasi polinesaturati omega 3; <i>cerere de brevet</i> (nr. inregistrare: A/00832 din 15.11.2016)