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EDITORIAL

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In our 17th Edition of the RealizAção Extension and Culture Magazine, composed of eleven articles and an experience report, we verified the extension practice disseminated in several thematic areas directly and also transversally.

We perceive this interrelationship of the areas themes as, put example, in articles in which the action if fits, both in the area theme Environment, as also, in the area Education theme, or in others in which it permeates to the areas of Education and Culture, you which will be further detailed below.

In addition to the transversality observed in relation to the areas themes, and possible, also, identify the extension guidelines, the "Is" of extension practice (Dialogical interaction; Interdisciplinarity and Interprofessionality; Inseparability of teaching – research – extension; Impact on student training; Impact on social transformation), throughout the production of manuscripts.

The impact on student training is evident, when in one of the articles the the author mentions that: " *For the students, the development of this action provided practical learning about the technique of artificial insemination in cattle, allowing approximation with the reality of many producers. Such learning has a positive impact on the ethical and moral training of future professionals, in addition to encouraging them to disseminate knowledge through participation in extension projects* " *(* MUNIZ et al., 2022).

now clearly outlined, node article in which the author concludes what: " *it is considered what to the actions and achievements given opportunities for the NEPEA were crucial to the way of understanding and practicing agriculture of those farmers, who certainly had a 'good encounter' with NEPEA and its leading role in establishing the*

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agroecological transition in PA Madre Cristina. They have not gone back on that knowledge and expertise that they learned through many discussions and learning experiences since then. They continue to practice/practice agriculture without poison " (BERTAZZO, 2022).

By reading the other articles and reports presented here, the other pillars of university extension can be seen. Below, we will describe the articles and reports separated, sequentially, by thematic areas.

ARTICLES

TECHNOLOGY AND PRODUCTION, GENERATION OF WORK AND INCOME

In the thematic area of Technology and Production, added the Generation of Work and Income, we have the article " **BENEFITS OF MANAGING ARTIFICIAL INSEMINATION IN SMALL PROPERTY RURAL NODE MUNICIPALITY OF DOURADINA-MS"** , in which: *"it was initially expected to improve the production of milk in the property, also influencing the academic training of the students involved in the project, so that the knowledge acquired at universities could be passed on to the population through extension actions. Artificial insemination promoted the genetic improvement of the herd in a shorter time, since more than 80% of the heifers and calves in the farm they are daughters of bulls proven for milk production, in addition to improving the control of illnesses transmissible through the natural mating process, which made it possible to crossbreed between breeds and increased milk production by more than 30% of the herd"* (MUNIZ et al., 2022).

The article " **CHARACTERIZATION OF THE CONSUMERS OF EGGS IN THE MUNICIPALITY OF DOURADOS – MS"** he can to be framed in these same areas themes, because: *"As it is a complete, high-quality and affordable food, eggs have become a food consumed worldwide. Knowledge of consumer preferences and behavior is important for producers and the market, aiming to meet the demands of this more select public. In this sense, the objective of this research was to establish the profile of the consumer of chicken eggs in the municipality of Dourados - MS, and to know their criteria and preferences when purchasing" (ALMEIDA et al., 2022).*

In the thematic area of Job and Income Generation, we find the article " **DEFINITION OF SPECIFICATION AND BUDGET TYPE LOWEST PRICE OF EQUIPMENT AND UTENSILS: CONTRIBUTIONS THE IMPLANTATION OF A RURAL FAMILY AGROINDUSTRY"** , which sought to: *"characterize, specify and budget equipment, utensils and Personal Protective Equipment (PPE) usable in a Rural Family Agroindustry focused on the production of sweets, jams, preserves and colonial cheese. (...) This work allowed the provision of relevant information for the implementation of a Rural Family Agroindustry in relation to the dimensioning, specification and budget of equipment, utensils and PPE"* (MAGALHÃES et al., 2022)

Yet in the area theme of Generation of Work and Income, the article " **ECONOMIC-FINANCIAL ANALYSIS IN THE PRODUCTION OF PET RABBITS IN BAMBOO IN THE HIGH THEY ARE FRANCISCO REGION – MG** ", *presented a study that concluded: "The segment of production and commercialization of companion animals is growing in the Brazilian market, among them, the pet rabbit segment stands out. This study aimed to analyze the economic and financial viability of a production company of Pet rabbits in the municipality of Bambuí - MG in 2020. To this end, the production cost structure and the calculation of financial indicators for the economic activity in question were prepared. (...) All financial indicators achieved were positive, indicating the viability of implementing this project"* (ALMEIDA et al., 2022a).

Returning to the theme of Technology and Production, we present the article " **FIELD DAY IN THE SEMIARID REGION OF NORTHERN MINES GENERAL: MANAGEMENT OF THE MILK PRODUCTION SYSTEM** ", which aimed to *: "through the practice of the second field day, guide and encourage agricultural producers in the semi-arid region regarding the use of technologies in a strategic way aimed at improving milk production. (...). It was verified what exists one demand put more field days with the RealizAção of lectures and guidelines put part of the producers rural. It is important to continue providing lectures and technical guidance to producers in the semi-arid region of the North of Mines General. THE Front desk of this extension rural he was positive of impact on milk productivity in the regional region"* (MONÇÃO et al., 2022).

The article " **MONITORING OF FISH FARMING WATER IN THE SETTLEMENT ITAMARATI – MS DURING THE WINTER** ", in the area theme Technology and Production showed an extension action that seeks objectives similar to those described in the last paragraph, regarding the exchange of knowledge between the University and the community: " *the objective of this work was to monitor the quality from the water during the winter in fish farms of tank excavated, tank tarpaulin and system of aquaponics node Itamarati Settlement. Students from the Aquaculture Engineering course at the Federal University of Grande Dourados (UFGD) visited small fish farmers in the Settlement Itamaraty with purpose of monitor parameters of quality of water and guide fish farmers on the main bottlenecks in production during the period of winter.* (…) *It is concluded that monitoring physical and chemical variables from the water of cultivation of fish during winter node Settlement Itamaraty and extremely necessary to contribute with the optimization of fish production, combined with the dissemination of knowledge and university extension to producers* " (ALBUQUERQUE et al., 2022).

EDUCATION AND ENVIRONMENT

In these thematic areas we present some articles that transitioned between the two: "**GARDEN AT SCHOOL: AGROECOLOGICAL PATHS AND MULTIDISCIPLINARY DIALOGUES IN MUNICIPAL SCHOOLS IN CANAÃ DOS CARAJÁS-PA** "; " **MELIPONARY DIDACTIC PEDAGOGICAL** " and " **NEPEA AND UNIVERSITY EXTENSION ACTIVITIES IN THE MADRE CRISTINA SETTLEMENT PROJECT – GOIANDIRA** ". *The first article describes "the university extension actions carried out by the Federal University of Southern and Southeastern Pará in municipal elementary and high schools included in the "Garden in Schools" Project, located in the municipality of Canaã dos Carajás – PA. (...) The implementation of the first agroecological units in municipal schools had promising results in relation to the implementation of multidisciplinary and agroecological teaching, impacting around 2,000 students, 35 elementary and high school teachers, in addition to 56 higher education students in Agronomy"* (GANDRA, 2022).

The article "**PEDAGOGICAL DIDACTIC MELIPONARY**" demonstrated that: "Currently, several studies have reported the decline of numerous pollinators, mainly bees, responsible for the pollination of approximately 85% of the floral species

existing in the environment. Thus, the project of the Meliponário of the State University of Montes Claros (Unimontes) he was created with the function of subsidize the optional subject of the Animal Science course – "Raising Meliponines", complementing the practices of the Apiculture subject and to preserve and preserve to the bees native, encouraging producers and high school and elementary school students as Environmental Education work" (SILVA, 2022).

The article "**NEPEA AND TO THE ACTIVITIES OF EXTENSION UNIVERSITY STUDENT IN PROJECT OF SETTLEMENT MOTHER CRISTINA – GOIANDIRA**", **highlighted the training of members of the local community:** *"We spoke, demonstrated and debated the scientific foundations of Agroecology with the settlers of the Agrarian Reform in settlements located in the southeast of Goiás. We carried out training and qualifications so that these farmers would be able to produce ecologically. They decided to produce vegetables without pesticides, using local inputs, recycling organic materials through biocomposting, and soon saw the plants grow healthy, nutritious and with a visual quality that encouraged consumers to buy them. The most excellent socio-environmental results appeared through the design of agroecosystems designed for sustainable production, whose plants are fertilized and irrigated with liquid biofertilizer prepared by the farmers themselves. This path achieves sustainability. (...)"* (BERTAZZO et al., 2022).

More specifically framed in the thematic area of Education, we have the article "**COURSE OF TRAINING OF EXTENSIONIST: CHALLENGES AND POTENTIALITIES**", which presents the results of the training of extension agents at the State University of Mato Grosso do Sul: *"The course was developed with the support of the members who make up the Extension Committee and the Culture, Sports and Leisure Committee. The self-instructional distance learning model of the Extension Agent Training Course was anchored in the Theory of Instructional Design. The training was divided into four educational units, with a total workload of 40 hours. 105 people participated in the first edition, including academics, teachers and administrative technicians. assessment on the course was positive, then, in addition of compliments, there was lots of suggestions what they were essential to the preparation of the second edition of the course that took place in the first semester of 2022* " (ALVARENGA, 2022).

EDUCATION AND CULTURE

THE article "**LABORATORY OF INTERCULTURALITY, A R T I S T I C DIVERSITY AND DIGITAL INCLUSION (LAIND/ODS 4)**" is part of the thematic areas of Education and Culture, since: " *The proposal aimed to enable cultural, linguistic, language teaching and technological development services and/or workshops attached to a physical space from the UFGD in the Reserva Ocelot , providing, of that mode, the necessary decolonization process for the interculturality of university and/or school knowledge and expertise, aiming at the establishment of the ecology of knowledge in/of the University* " (MARTINS; TORCHI; FIGUEIREDO, 2022).

HEALTH EXPERIENCE REPORTS

In the thematic area of Health, our Edition brings an important contribution to extension practices developed node period from the Pandemic from the Covid-19, with the report "**COVID-19, AND NOW? RESULTS OF ONE PROJECT OF EXTENSION DURING THE PANDEMIC**", which demonstrated: *"Finally, there is growing tension in Brazil caused by the pandemic dimension of COVID-19 with sociocultural and political repercussions. In this way, Behavior Analysis as a theory makes it possible to understanding of human behavior at both an individual and collective level, allowing the behavioral effects of physical distancing to be managed and the contingencies that prevail and control behaviors to follow the rules of social contact during the COVID-19 pandemic to be analyzed"* (SOUZA et al., 2022).

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