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EDITORIAL

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We close the year of 2021 with the 16th Edition from our Magazine of Extension and Culture Realization and us ten articles and two reports of experience we could to seize on University Extension in various thematic areas.

The articles and reports brought principles related to Extension, such as the inseparability between extension, teaching and research, which can be seen, for example, in the article ***Phonological Awareness in Early Childhood Education: an analysis of pedagogical practices*** ; the dialogic interaction with the community, that if infers in the article ***Use of Biodigester in the Itamarati Settlement: sustainability for the rural community***; interdisciplinarity, the which if highlights node report of experience ***Actions of Education and Health and Pregnancy in the Adolescence in the Extension University student***; among others principles what they can be observed when reading all manuscripts.

The Below we will describe the articles and reports, separated sequentially, by thematic areas.

ARTICLES

TECHNOLOGY AND PRODUCTION, JOB AND INCOME GENERATION AND MEANS ENVIRONMENT

In the thematic area of Technology and Production, added to the generation of work and income, we have the article ***Physical-Chemical Composition of Raw Milk Produced by Family Farmers of the Itamarati-MS Settlement***, which aimed to evaluate

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the characteristics physical-chemical characteristics of raw milk produced by family farmers in Itamaratí Settlement. Monitoring in relation to the quality of milk of the producers and of sum importance then in lots of on rural properties, milk is the main source of income, and in some of them it is even the only source of income for producers and their families.

The article ***Use of Biodigester in Itamaratí Settlement: sustainability for the rural community*** can be classified under the environmental theme, while the project aimed to guide producers on the destination and proper management of agricultural waste, generating "clean" energy and assisting with the economic and sustainability issues of the settlement.

In this same thematic area, the article ***Use of Deject Pond in a Containment in Dairy Property in the Municipality of Douradina-MS***, aimed characterize you benefits of the use of a waste lagoon in a demonstration milk production unit in Douradina, MS. The management and the storage correct of waste (feces, urine and wasted waters of the drinking fountains) produced by the cattle in confinements, and one concern of the producers. This procedure, if accomplished of form incorrect, he can entail in serious problems to the environment and the animals themselves. However, when managed properly, waste can bring many benefits to the property, as it is a fertilizer you which they can to be used in the productions of grains and bulky, in addition of reduce endo and ectoparasite infestations.

Still in the environmental area, the article ***Environmental Impacts of Transition from Conventional Milk Production to Organic Production*** assessed the environmental impacts of the transition to organic milk production practices. Seven family farms were assessed in the Federal District and surrounding areas of the Integrated Development Region, with basis node system of indicators Ambitec-Agro from the Embrapa "Quality of soil" (19.1), "destination of "waste" (16.4), "Value from the property" (15.1) and "generation of income" (13.9) they were you indicators what more contributed to you indexes of performance organic. The percentage increase in technology performance was 18.35%.

Returning to the theme of technology and production, but also linked to the environmental area, the article ***BRS Capiaçu "Experience in Small Properties Milkmaids from the Carajás Region – Pará*** discussed the development of demonstration units (UD) for the production of grasses of the BRS Capiaçu cultivar in a sustainable and organic manner with the aim of producing silage to be used during

times of pasture shortage. The first experience of the BRS Capiaçu cultivar on small rural properties in southeastern Pará was valid and significant, but there is a real priority in spreading the silage culture in the Carajás region.

The article ***Demonstration Unit for Compost Barn Confinement on a Small Farm Dairy Activity in the Municipality of Douradina-MS*** is focused on the thematic area of technology and production and generation of work and income as the objective of this work was to present you results obtained with one action of extension university student with basis in the *Compost Barn* confinement , developed by professors and students from the Federal University of Grande Dourados/UFGD. The activity was carried out at the Nossa Senhora do Abadia site, located in the municipality of Douradina-MS, whose main activity is milk production. THE partnership to the action occurred to the if deploy one system *Compost Barn* with capacity for 30 cows, in one shed covered, with a resting area with rice straw, shavings or sawdust for the animals, separated by a corridor from the troughs and drinkers. The results of the extension action demonstrated that the implementation of the *Compost Barn* made it possible to increase productivity on the site, in addition to encouraging the holding of courses with other groups assisted by extension actions, being publicized in meetings with small producers, settlers and quilombolas, multiplying the reach of the action.

EDUCATION

The article ***Animal Athlete: participation of animals in sports practices from the perspective from the community of the sciences agrarian*** this related the area theme from the education aiming to analyze the opinion of professionals and students of agricultural sciences from all over the country about the practices of Vaquejadas, Rodeos and Provas de Laço, which are sports modalities and cultural of our Country. It is concluded with this work what the population of the Agricultural sciences partially agree with the use of animals in sports practices, with vaquejada being the sport that most affects the animal welfare. Furthermore, the interviewees state that there should be greater government oversight of the use of animals in sports, and greater awareness among the population regarding the use of animals in sports, ensuring the welfare of these animals.

In the theme of education, also we present the article ***History from the School SEI - Comprehensive Education Service in Dourados-MS: the voice of the school***

community, which problematizes the school as space able of provide multiple experiences and reflects about the mode as your structure this related to the development social, political and guys of individuals in society. Thus, it considers the history and memories of subjects of the Escola Serviço de Educação Integral (SEI) from its infrastructure to the most subjective educational spaces, and the relationships established with its participants.

Adding to the area of education we have the article ***Phonological Awareness in Early Childhood Education: an analysis of pedagogical practices***, which brought an investigation whose objective he was to analyze and reflect on the development from the conscience phonological - the skill that we have in manipulate the sounds of our language/ability of we realize what a word can begin or end with the same sound - and how this process occurs in pedagogical practice with young children in Early Childhood Education.

TECHNOLOGY AND PRODUCTION

Still in the thematic area of technology and production, the article ***Analog System for Capturing Images and the New Possibilities of Reinventing Records*** aimed to discuss the use of unconventional processes for developing analog photographs in times of instantaneity and social networks. The main characteristics of alternative photographic processes, characterized by the use of unconventional chemicals, were analyzed. Then, some views on the expressive possibilities of this modality were presented based on interviews and personal experiences of the authors.

REPORTS OF EXPERIENCE

The experience report ***Internationalization of Brazilian Sign Language: experience report at the Federal University of Santa Catarina*** is related to the thematic area of education, presenting as its main objective the internationalization of Brazilian Sign Language (Libras), configuring itself in a Libras course offered in English, through from the platform Moodle, with duration of 5 weeks. AND possible report what the course, in addition to to present the opportunity of speakers of English learn Libras, generated material translated from Libras directly into English, being a fruitful source of dissemination and visibility of the language in other countries. Furthermore, it is

concluded that this type of initiative can generate an exchange between universities/students/researchers in the same broad area, contributing to the internationalization of content produced in Brazilian universities and in the specific case of the Project reported here, exalting the role of extension in promoting knowledge about Brazilian Sign Language.

Put last, we have the report ***Actions of Education and Health and Pregnancy in the Adolescence in Extension University student***, one project of education and health what if constituted an important instrument to the promotion the health and prevention of illnesses to teenagers during the pregnancy and puerperal cycle. It can contribute to the autonomy of women and their companions, enabling them the protagonism, the measure what stimulated the appreciation guys, self-esteem, self-confidence and self-realization.