



UCDB

newspaper

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CATHOLIC
research highlights
in prizes

Graduates have winning works in national and international competitions

In recent months, students from the Don Bosco Catholic University have excelled in national and international events awards. In the following pages, know a little of the research developed by Milina de Oliveira, who graduated from Sanitary and Environmental Engineering; Marina Gonçalves Lima, graduated in Veterinary Medicine; Bruno Damasceno Fernandes, egressed from Civil Engineering; and Everton Tetila, Ph.D. in Local Development.

MILINA
DE OLIVEIRA



Milina de Oliveira graduated in Sanitary and Environmental Engineering (ESA) at the end of last year and is the nomination of Don Bosco Catholic University as the best scientific initiation fellow for the 16th Highlight Award in Science and Technology Initiation 2018 promoted by the Council National Center for Scientific and Technological Development (CNPq). The award will be presented during the congress of the Brazilian Society for the Advancement of Science (SBPC), which will be held July 21-27 in Campo Grande. The leaving student researches the area of constructed wetlands and monitors the presence of drug residues in the sewage network. "Part of the medicine we take is excreted and goes into the sewer. We have experimented with natural filter systems that remove from 80% to 90% of these compounds. Research in this area is very recent, so it is unknown whether there is a risk of hormonal change, cancer, bacterial resistance, among other consequences", she said.

expedient



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UCDB NEWSPAPER

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MARINA GONÇALVES LIMA



In March, veterinarian Marina Gonçalves Lima, a graduate of Don Bosco Catholic University, received the first place at the International Congress of Fauna and Flora of the Amazon (Ciffa), with the presentation of the course completion work “Determination of basal surface temperature of captive birds and mammals at the Zoo Center for Warfare Instruction in the Jungle in Manaus (Amazonas)”.

Thermography assists the veterinarian in the diagnosis

of diseases in wild animals and, because it is not invasive, it can be performed at a distance. “Temperature is a parameter so that we can observe the animal welfare, being able to obtain identifications like pregnancies, cancer and the level of stress of the animal. The result was a great surprise, because the competitors were masters and mine, a graduate work,” explains Marina Lima, who joined the Master’s program in Environmental Sciences and Agricultural Sustainability of the UCDB.

The work was development in Manaus thanks to a partnership between the UCDB Biotério and the CIGS Zoo, in which the then student developed the obligatory internship.

Bruno Damasceno Fernandes, graduated from the UCDB Civil Engineering course, was in 3rd place in the Sanepar Sustainable Technologies Award, with the work: “Energy efficiency measures for electric motors of water supply systems”. The award granted by the Paraná Sanitation Company (Sanepar), seeks to recognize the best undergraduate and master’s or doctoral students who developed, between 2016 and 2018, works on “Innovation for sustainability in the service of environmental sanitation”.

Through the Institutional Scholarship Program of Scientific Initiation (Pibic), Bruno started to develop the project between 2016 and 2017, however, he completed the research in 2018 as a Course Completion Work (TCC). According to the egress, the project was an analysis

in the area of operation and maintenance of water collection systems and was guided by the coordinator of the Civil Engineering course, Fernando Jorge Corrêa Magalhães Filho. “I did an energy efficiency analysis of the supply system of José Abraão neighborhood, with the purpose of proposing measures to make the water abstraction system more efficient. I proposed and analyzed two measures to improve the system, made the economic and operational feasibility”, said Bruno.

BRUNO DAMASCENO FERNANDES

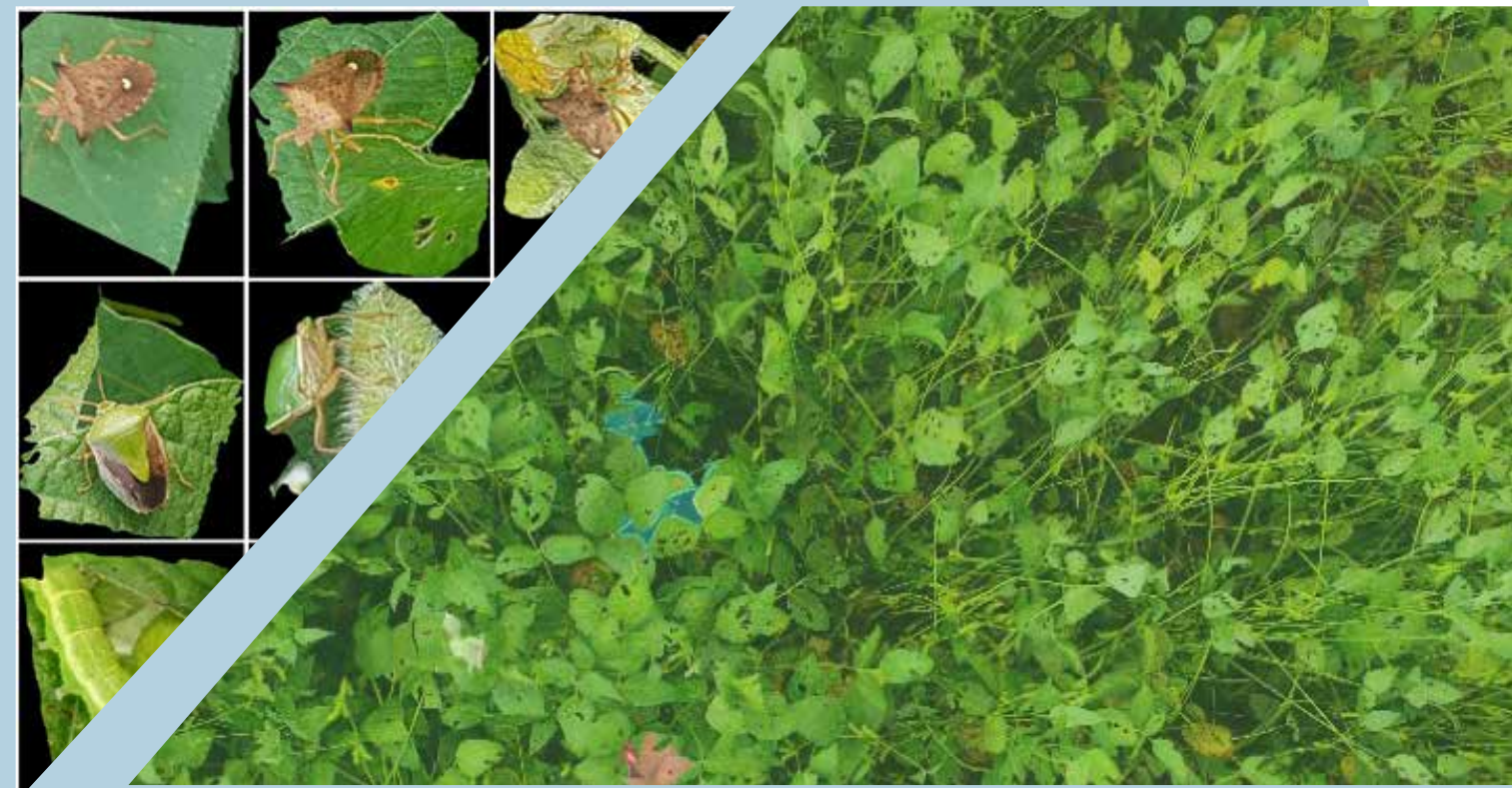


EVERTON TETILA



The Vantagro-MS project, one of the five selected by the IEEE / Geoscience and Remote Sensing Society (GRSS), an association dedicated to advancing innovation and technological excellence for the benefit of humanity - to present, in Japan, from July 28 to August 2, 2019, an innovation of the computer vision project in the fight against diseases and pests in crops. For this, they received \$ 6 thousand, which will serve to buy equipment and also pay for the trip.

According to one of the researchers, Everton Tetila, Ph.D. in Local Development at UCDB, the idea is that the work be expanded and taken to the Android operating system, pointing out the types of diseases in soybean crops (such as powdery mildew, target spot, Asian rust) and pests (brown bug, caterpillars, snails, among others). "With these data, the expectation is that the cost to combat the pests will decrease and consequently increase the profit for the rural producer," he explains.



Dean Major visits UCDB and Don Bosco Museum of Cultures on the 26th

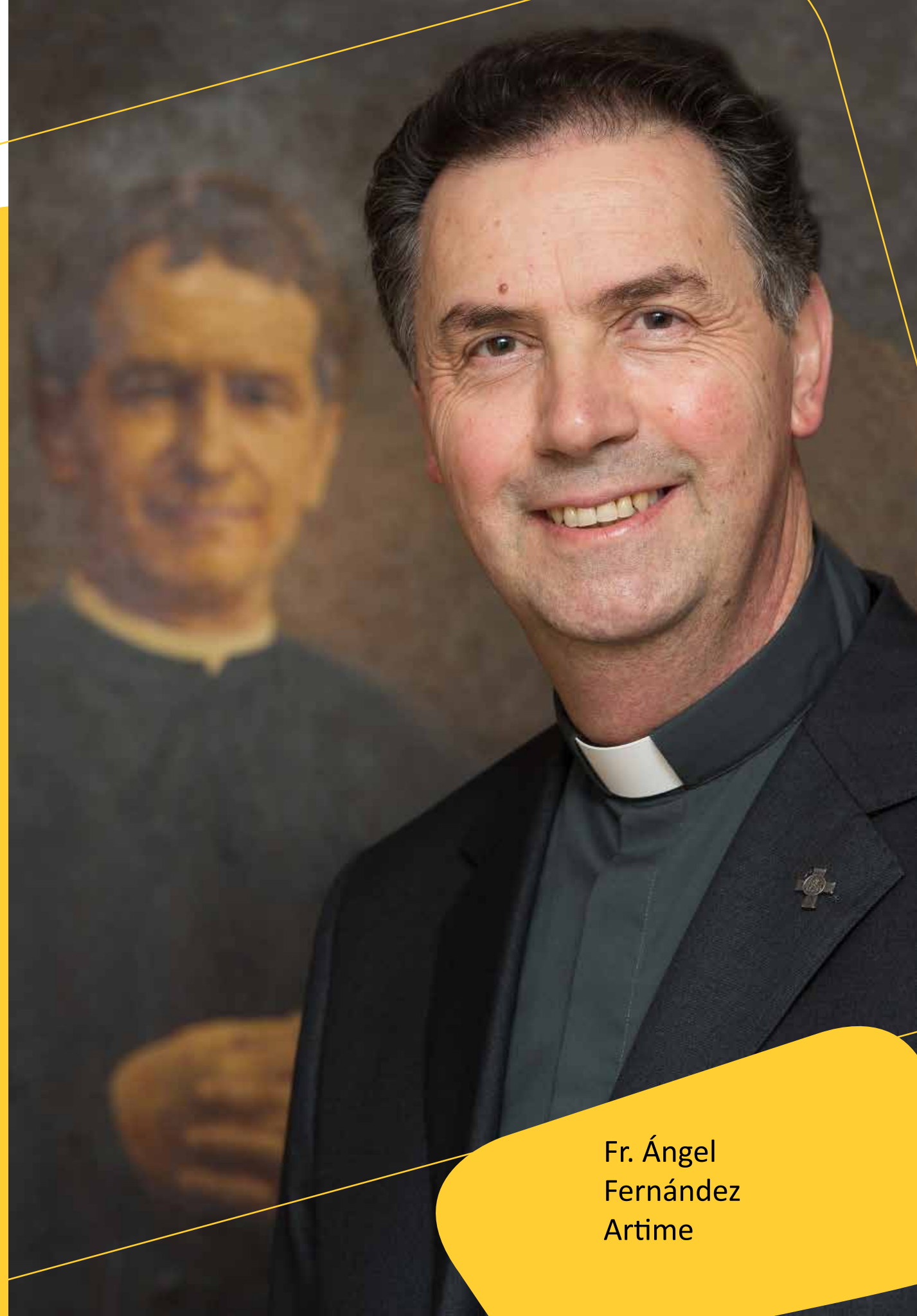
The tenth successor of Don Bosco in the Salesian Congregation, Fr. Ángel Fernández Artime, participates in the celebrations of the 125th anniversary of the Salesian Mission in Mato Grosso and Don Bosco Catholic University will be one of the places visited on April 26.

The arrival of the entourage to Campo Grande is scheduled for April 23 at 9.25. The next day (24), he goes to Cuiabá (MT) and Meruri (MT). The return to the capital of South-Mato Grosso will be on the 25th.

The visit to UCDB begins at 8:30 am, with a breakfast with the press in the Patio UCDB. The Dean Major goes to the Salesianos Ampare in the Tiradentes neighborhood and

returns to the campus at 11am for a meeting with visiting professors and administrative staff and academic leaders. At 4:30 p.m., he will visit the Don Bosco Museum of Cultures with local authorities.

On Saturday (27), the program begins at 9am, with a meeting with Salesians on Lake of the Cross. At 5 pm, a solemn Mass in the parish of Saint John Bosco (Vila Célia) will promote the meeting of the successor of Don Bosco with the Salesian family. At 8:00 p.m., in the theater of the Don Bosco College, the last commitment of Father Ángel Artime will be with the young people, who will make artistic presentations in honor of him.



Fr. Ángel
Fernández
Artime

UCDB offers free service to the population on World Health Day

In celebration of World Health Day, on April 4, students and professors from seven undergraduate courses at Don Bosco Catholic University offered free services at the Bosque dos Ipês mall. At the time, several booths were set up in space and the population had access to different services.

NUTRITION

Healthy eating was the subject addressed by the Nutrition course. Prospective professionals calculated the Body Mass Index (BMI) for both children and adults, and reported on the importance of maintaining a balanced diet.



NURSING

Students passed guidelines on autism and, by measuring blood pressure, they made people aware of hypertension.





Relevance of physical exercise was emphasized by Physical Education students. The course took a playful tent with jokes and activities for children and, in addition, also promoted an exercise class for adults and physical assessment.

PHYSICAL EDUCATION

PHYSIOTHERAPY

Future physiotherapists talked about women's health and alerted the public to posture care.

PHARMACY

Course participants passed guidelines on the correct use and disposal of medicines and talked about diseases related to the *Aedes aegypti* mosquito, such as dengue fever, zika virus and chikungunya fever.



BIOMEDICINE

Facial evaluation by means of "light wood" was one of the services offered by the Biomedicine course. The students also gave a "quiz" on colds and flu and issued guidelines on the vaccination schedule. In addition, the future biomedical presented the auriculotherapy to the public - technique of application of seeds in the ear that aims to combat diseases.



BIOLOGICAL SCIENCES

Information about animals that deserve the attention of the population was taken by the course of Biological Sciences - students talked about the African giant snail, capable of transmitting diseases, and also about the scorpions.



UCDB students carry out the last Free Tax Service Desk of the 2019 IRPF



UCDB, through the course of Accounting Sciences, promotes on Monday (22/4), the last Fiscal Attendance Desk of this edition to guide taxpayers and complete the declaration of personal income tax 2019. Free service will be from 4:00 p.m. to 8:40 p.m., in the computer lab of Block B, at the Tamandaré campus.

“The main objective is to get the taxpayer information on the correct way to complete the tax return. It is part of the pedagogical project of the course to work social values”, explains the course coordinator, Lucélia Tashima.



In three shots performed by the course of the UCDB in 2019, 286 consultations and 226 transmissions of the declaration to the IRS were already made.

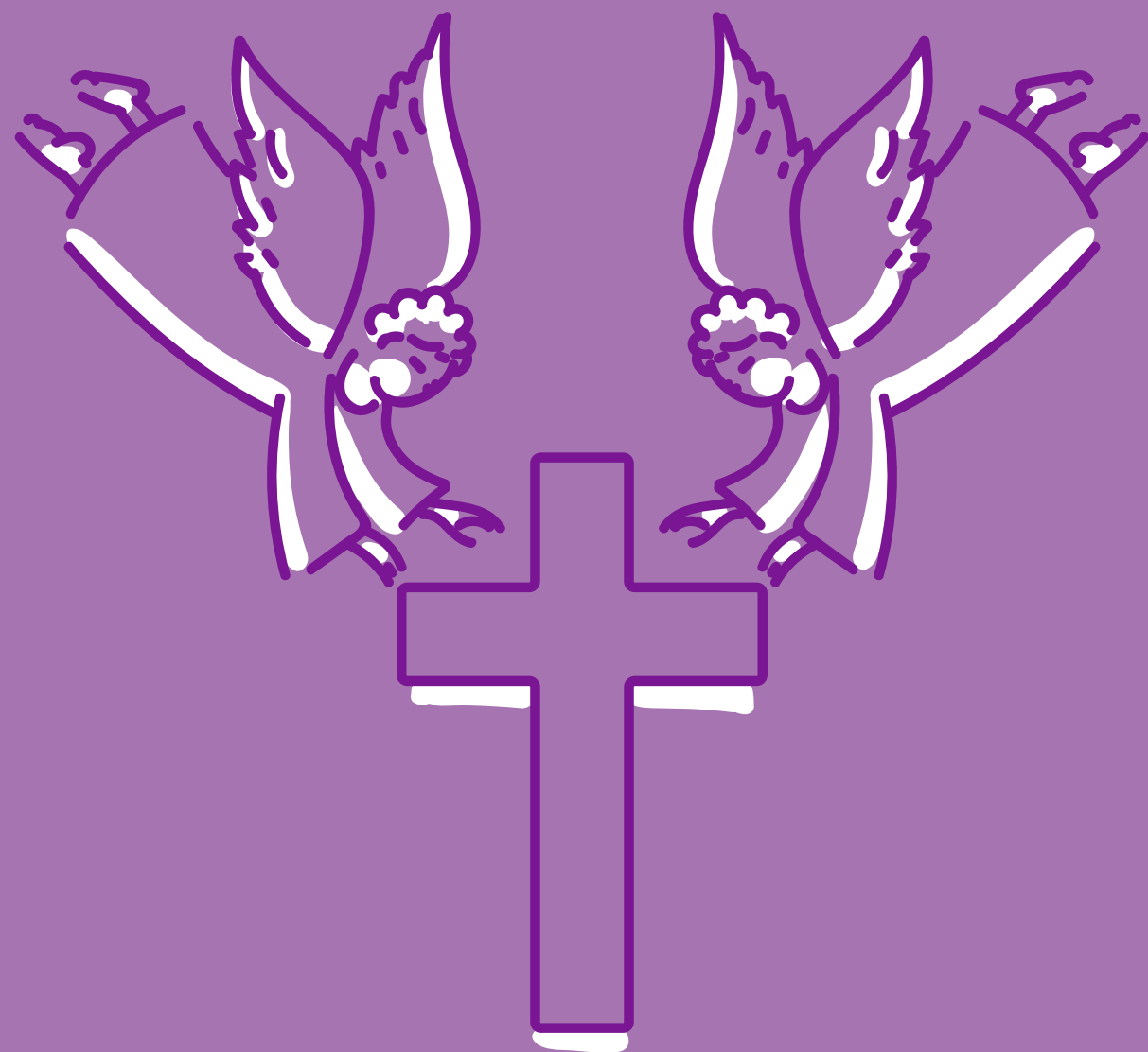
IT SHALL STATE:

- taxable income above of R\$ 28,559.70 (in 2018)
- deadline until 04/30
- minimum fine for delay R\$ 165,74

Pastoral UCDB

Holy Week in the University Parish

- 4/14 - 7:15 pm - Procession and Mass on Palm Sunday
- 04/15 - 7:15 PM - Dark Office
- 4/16 - 7:15 p.m. - Luminous rosary
- 4/17 - 7:15 pm - Procession of silence and Via Sacra
- 04/18 - at 7:15 pm - Mass of the Lord's Supper (Lava-pies) and Vigil and Worship
- 19/04 - at 3pm - Celebration of the Passion and Death of Jesus and Adoration of the Cross
- 04/20 - at 07:15 pm - Celebration of the Easter Vigil



Solidarity

The Pro-Rectorate of Pastoral will be collecting cleaning materials for the Home of Positive Dreams throughout Holy Week. Donations can be made during celebrations or in Pastoral rooms (in the UCDB Patio and in block A).

