



DIPGIS Newsletter

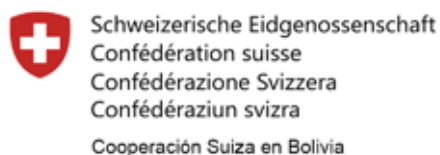
DEPARTMENT OF RESEARCH, POSGRADUATE AND SOCIAL INTERACTION

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International Workshop “Environmental Toxicology”

With the participation of national and international researchers



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The Department of Research, Postgraduate and Social Interaction (DIPGIS) dependent on the Vice Rectorate of Universidad Mayor de San Andrés (UMSA). Is a strategic unit and reference that proposes, organizes, coordinates, monitors, controls, and evaluates policies and activities inherent in research, postgraduate and social interaction with a strong innovative component to strengthen local, national and international sustainable development.

DIPGIS line of work is defined by the efficient and timely response that in these three areas UMSA must provide to the increasingly rigorous demands of regional, national institutions, as well as society itself.

The management of research, postgraduate and social interaction, inserting innovation transversely through the products and results of knowledge and science generators, UMSA contributes to the construction of an inclusive, productive and competitive society, with sustainable development.



4th Student Fair for Research, Innovation and Social Interaction “Estu Feria 2019” awards



the Fourth Version of “Estu Feria UMSA 2019”, organized by the Local University Federation and the Department of Research, Postgraduate and Social Interaction (DIPGIS) through Social Interaction Unit, concluded successfully.

In an act held in the auditorium of Technology Faculty on October 15, Rector Waldo Albarracín, the Dean and the Vice-Dean of Medicine, Nursing, Nutrition and Medical Technology Faculty, Javier Peñaranda Méndez and Fernando Dávalos Crespo, respectively; the Dean of Technology Faculty, Víctor Hugo Herrera; Executive Secretary of the Local University Federation, Alvaro Quelali, chief of DIPGIS, Waldo Vargas Ballester, and representatives of the Entrepreneurship and

Innovation Unit of the Gobierno Municipal Autónomo de La Paz, Swisscontact Bolivia, Bank of Productive Development, National Textile Service SENATEX , teachers and students of the UMSA.

“A university that boasts of being a scientist cannot stop investigating, what better way to encourage research from undergraduate, not only in the field of research teachers, but also of students, because that’s where they go profiling professionally to make a research of a transcendental cause in the aspirations of development of a country”, said UMSA’s Rector, Waldo Albarracín Sánchez.



For his part, the Executive Secretary of the Local University Federation, Esteban Quelali, congratulated the students for the work done in the presentation of the research projects.

The Dean of Technology Faculty, Victor Hugo Herrera commented: "Happy and honorable to receive the authorities of UMSA, DIPGIS and the students of UMSA in the Technology Faculty. "EsTu Feria UMSA" means a very important achievement, because we announce to society how the application of research in the university is progressing. It is an important mechanism

to respond to society with the results of student research. Today we recognize the best works, and it is a pleasant reason to ratify the creative vocation of UMSA".

The Chief of the Department of Research, Postgraduate and Social Interaction, Waldo Vargas Ballester, mentioned the background and objectives that have been achieved in previous efforts in "Estu Feria UMSA", and the transfer wheel that constitutes a meeting space between the offer of UMSA student research projects with the demands expressed by the participating institutions.

Award-winning projects by category:

Research Applied to Innovation			
Project	Faculty	Place	Students
BITE FORCE ASSESSMENT DEVICE	Dentistry	First Place	Zelma Diana Quisbert Quinteros
USE OF CONSTRUCTION AND DEMOLITION WASTE (RCD) FOR THE PREPARATION OF PREFABRICATED CONCRETE ELEMENTS	Technology	Second Place	Daniela Alejandra Covarrubias Centellas
POTENTIAL BIOCONTROLLING ACTIVITY OF ISOLATED BACTERIOPHAGES FROM ENVIRONMENTAL SAMPLES, AGAINST MULTIRESISTENT ESCHERICHIA CEPAS	Pharmacy and Biochemistry	Third Place	Valeria Sanz Cárdenas

Scientific Research			
Project	Faculty	Place	Students
PREDICTION OF CRANIOMETRIC MODIFICATIONS OF NATIVE ALTIPLAN SUBJECTS BASED ON LOCAL HISTORICAL CRANIOMETRIC INDICES	Dentistry	First Place	Gabriel Omar Gonzales Capriles
SUB-ACROMIAL BURSITIS IN THE CROL SWIMMING STYLE; A STEP FOR THE PAINFUL SHOULDER	Medicine, Nursing, Nutrition and Medical Technology	Second Place	José Martín Villanueva Vidaurre
CONTROL OF MOBILE ROBOTS AND ARTIFICIAL VISION WITH PROGRAMMING IN R	Engineering	Third Place	Álvaro Kevin Humerez

Social Interaction			
Project	Faculty	Place	Students
UMSA RECYCLE PROJECT	Engineering	First Place	Adriana Méndez Rojas
RESEARCH-PARTICIPATORY ACTION IN THE DENOMINATED GROUP "COLECTRIBU" OF YOUNG ARTISTS IN SOCIAL RISK SITUATION	Humanities and Education Sciences	Second Place	Univ. Daniel Augusto Padilla Bueno
EFFECTS OF RADIATION ISSUED BY CELLULARS IN GERMAN CELLS, OOCITOS AND SPERMATOZOIDS	Medicine, Nursing, Nutrition and Medical Technology	Third Place	Alejandro Javier Angulo Loza

Transfer wheel



For a second consecutive year, the Transfer Wheel was carried out with the participation of 52 student projects and representatives of private and state institutions, to identify potential forms of relationship between offer of student research projects and demand expressed by the participating institutions.

Participating in this space to promote collaborative actions are: Financing Fund for Mining, National Chamber of Industries, Swisscontact, Municipal Secretary of Economic Development with its Entrepreneurship and Innovation Unit, Ministry of Health through its Food and Nutrition Unit, National Intellectual Property Service, National Forest Development Fund, National Textile

Service, Mama Qura, Ministry of Environment and Water, Federation of Private Entrepreneurs of La Paz, Productive Development Bank, National Construction Chamber, Geological Mining Service and the Technological Institute of La Paz.





Recognition to institutions for their support on the student fair

The organization of "Estu Feria UMSA 2019", integrated by Local University Federation and the Department of Research, Postgraduate and Social Interaction, through the Social Interaction Unit, recognized 24 institutions that supported the realization of this student event: Financing Fund for Mining - FOFIM, National Chamber of Industries, SWISSCONTACT, Municipal Secretariat for Economic Development of the Autonomous Municipal Government of La Paz, Food and Nutrition Unit - Ministry of Health, National Intellectual Property Service - SENAPI, University Network of Young Entrepreneurs - RUJE, Foundation for the Development of Information and Communication Technologies in Bolivia -

FUNDETIC, National Forest Development Fund - FONABOSQUE, MAMA QURA, National Textile Service - TEXTIL, Ministry of Rural Development and Land, Federation of Private Entrepreneurs of La Paz - FEPLP, Bank of Des Productive development - BDP, Departmental Secretariat of Economic Development - Departmental Autonomous Government of La Paz, Departmental Chamber of Construction, Ministry of Environment and Water, Geological Mining Service - SERGOMIN, National Chamber of Commerce, National Academy of Sciences of Bolivia, Sub directorate of Regular Education - Ministry of Education, PRO BOLIVIA and INFOCAL.



International Workshop “Environmental Toxicology”

With the participation of national and international researchers, the International Workshop “Environmental Toxicology” was organized by the Institute of Genetics of the Faculty of Medicine, Nursing, Nutrition and Technology of the Universidad Mayor de San Andrés, on days 7 and 8 October of this year.

Researchers from the Universities San Simón, Católica San Pablo, both from Cochabamba, Lund University and the Karolinska Institute of Sweden participated in the event that was inaugurated by the Dean of the Faculty of Medicine, Javier Peñaranda, with the assistance of the Director of the Institute of Genetics, Gonzalo Taboada, and the workshop coordinator, Noemí Tirado, Research Professor at the Institute of Genetics and the Head of DIPGIS, Waldo Vargas Ballester.

At the opening of the Workshop, the Dean of the Faculty of Medicine, Javier Peñaranda, said: “A very important issue is being worked on, such as genetic damage from exposure to pesticides

and nonmetals, which has not been focused on the characteristics and importance That should be done. It is about motivating researchers to study this theme and generate proposals for a solution to this great problem.”

For his part of the Director of the Institute of Genetics, Gonzalo Taboada López, commented: “The event is to compare results and technologies. To see what kind of technological transfer can be done and how the research results can be compared with other realities and from this comparison, look for a closer relationship to form joint working groups.”

The workshop organization coordinator and researcher at the Faculty of Medicine, Noemí Tirado explained: “This workshop or workshop on environmental toxicology, has emerged as an initiative to show the results of research regarding exposure to pesticides that are supported by Swedish cooperation, mainly. We also have other financing through a network called TOXBOL, among researchers from Bolivia, Sweden and France who work on this issue.”



Google Tools Workshop for DTIC technical staff



Within the framework of strengthening digital skills and competencies, technicians from the Department of Information and Communication Technologies (DTIC) of UMSA participated in Google Tools Workshop, organized by the Department of Research, Postgraduate and Social Interaction from October 7 to 11, with the support of the Swedish Agency for International Development (Sida).

At the opening of the workshop, the Coordinator of UMSA / Sida Program, Ignacio Chirico Moreno, said: "This training in Google tools has as background three different cycles where teachers and researchers were trained representing 13 Faculties, now technicians with competencies specific in information and communication technologies that will be focal points to replicate the knowledge obtained, in the academic units of university".

For his part, the workshop's teacher, José Santander, commented: "Thanks DIPGIS for the opportunity to train this time, technicians who work with digital skills that are useful in our daily lives, especially in universities and educational institutions. We hope everyone receives certification as Google educators, after passing the exam, at the end of the Workshop."

Participants were trained in digital tools use for the creation of web pages, Google drive, Google documents, Google sites, Google excel, Google scholar, Google calendar, and use of hangout (tool for videoconferencing and broadcasting of live video), as well as in other tools such as blogs and wikis.



The UMSA and the Municipal Government of Laja agree to strengthen SLIM



The Mayor of the Autonomous Municipal Government of Laja, Blanca Poma, and representatives of the Careers of Law, Psychology and Social Work of UMSA, Dr. Rudy Chávez, Mr. Marco Pérez and Mr. Mirna Aliaga, respectively, subscribed an inter-institutional agreement for the implementation of the Program for Linking and Strengthening of the Municipal Integral Legal Services SLIM / UMSA, in this Municipality of the Department of La Paz.

In the signing act of the agreement, Mayor Poma said that her management assigned special attention to the implementation of the Municipal Comprehensive Legal Service and the Office of the Ombudsman for Children and Adolescents of Laja, which has a lawyer and a psychologist to attend 60 communities that make up the Municipality of Laja, due to the increase in cases of violence reported in

this Municipality.

Representatives of Swisscontact and the Department of Research, Postgraduate and Social Interaction were present at the act of signing the agreement, which was coordinated by the Department of Research, Postgraduate, and Social Interaction, through the Social Interaction Unit.

The SLIM / UMSA Program was implemented in the Municipalities of Achocalla, Umala, Patacamaya, Tiwanacu, and Laja of the Department of La Paz. Tarija and Oruro asked the UMSA for advice and transfer of the Linking and Strengthening Model to the Municipal Integral Legal Services for its implementation in these Departments.

Careers of geology and history of UMSA strengthen SLIM program in Umala



Within the framework of the Linking and Strengthening Program for Municipal Integral Legal Services SLIM / UMSA in Umala, the Mayor of this Municipality, Walter Rojas, will subscribe specific agreements with UMSA's Geology and History Careers so students of both academic units carry out their professional practices in the continuous monitoring of water well flows and in the reconstruction of the historical past of Umala.

Mayor Rojas informed that Umala Municipality suffers from water shortages because the mayors who preceded it did not worry about

continuously monitoring of water wells, therefore, there is no record about those resources, he considered It is also a priority to write the history of its Municipality since its foundation so that future generations will know the historical past of their place of origin.

In the meeting held on October 2 in the town of Umala, the Academic Coordinator of the Geology Career, Ruben Hilari, Guillermo Medrano, professor of the Career of History, and Rafael Cortez, professor of Hydrogeology, of UMSA participated.



DIPGIS participates in the Formation of an Inter-Institutional Platform for Coordination and Strengthening of the Choquecota Pedagogical Basin

The Department of Postgraduate Research and Social Interaction (DIPGIS) of Universidad Mayor de San Andrés participated in the Seminar "Formation of an Inter-Institutional Platform for Coordination and Strengthening of the Choquecota Pedagogical Basin", organized by the Agronomy Faculty of UMSA through the coordinator of Pedagogical Basin Project, Willy Marco Flores Mancilla.

The objective was to develop and strengthen solidarity, equitable and sustainable management capacities of water and associated natural resources in territorial spaces of Escaleras basin, through pedagogical and intercultural interaction between local knowledge and knowledge ancestral and academic, with learning potential and replicable in other basins.

The Pedagogical Basin Project has four components: Capacity Development and Organizational Strengthening; Research, Participatory Action and Technological Innovation; Local Basin Management Plan; and Institutional Platform of the Pedagogical Basin.

The Chief of DIPGIS, Waldo Vargas Ballester, made a presentation related to the improvement in the processes of research, postgraduate and social interaction in coherence with Policy 8 of the Institutional Strategic Plan (PEI) of UMSA 2016-2018 with a vision to 2030, which establishes

that research, innovation and development are articulated with social demand, contribute to national development and generate public policies.

The event was attended by: the Secretary of Agrarian Subcentral of Huancapampa, Zenon Aranda Paxi, the President of the Basin Management Agency (OGC), Máximo Martínez, the technician of the Municipal Autonomous Government of Palca, Israel Callisaya, technicians and residents of the Municipality of La Palca of La Paz Department, where the Choquecota Basin is located.

The Pedagogical Basin is a social, cultural meeting space, between the local knowledge of the communities and municipalities within the Choquecota basin, in relation to the management of water and other natural resources, with the institutional academic knowledge of the UMSA, within the framework of a process of teaching and intercultural plural learning of the Management and Integral Management of Basins, to generate practices, techniques, organizational forms and methodologies of concerted management of water resources. It has the support of the Ministry of Environment and Water, the National Watershed Plan (PNC), the Institute of Agricultural Research and Natural Resources (IIAREN) and the Municipal Government of Palca.

DIPGIS in social networks
More information can be found at:
www.dipgis.umsa.bo
The UMSA DIPGIS closest to you



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