Instituto de Altos Estudios Espaciales "MARIO GULICH"

Dr.
Carlos Marcelo Scavuzzo

Línea principal de investigación

Aplicaciones de la información espacial
(agronomía, incendios, calidad ambiental, salud, etc.)

Línea secundaria de investigación
Epidemiologia panoramica

Número total de tesis y tesinas dirigidas finalizadas - 30 director/codirector.

Número de investigaciones/tesistas bajo su dirección actualmente - 10

Número total de publicaciones de revistas indexadas - SCOPUS - 70

Antecedentes extensión
Participación en la transferencia de sisteas operativos de;
- Riesgo de incendios
- Calidad del aire.
- Pronóstico meteorológico.
- Riesgo de dengue.
- Riesgo de chagas.
- Aplicaciones agricolas.

Antecedentes docentes
- Actualmente profesor titular en la UNC.
- Más de 30 años de experiencia docente en cursos de grado y posgrado UNC.

Antecedentes gestión
- Consejero UNC
- Editor de revistas internacionales
- Director del Doctorado en Geomática y Sistemas Espaciales.
- Director de la maestría MAEARTE 2008-2014
- Secretario académico y científico del Instituto Gulich.
- Miembro del consejo CELFI SD UNC.

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▶ **Listado de publicaciones indexadas de los últimos 3 años (SCOPUS), referencias APA o IEEE**

Ferral, A., Luccini, E., Aleksinkó, A., Scavuzzo, C.M. Flooded-area satellite monitoring within a Ramsar wetland Nature Reserve in Argentina
(2019) Remote Sensing Applications: Society and Environment, 15, art. no. 100230, .

Jacob, M.M., Jones, W.L., Santos-Garcia, A., Drushka, K., Asher, W.E., Scavuzzo, C.M.
Salinity rain impact model (rim) for smap
(2019) IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 12 (6), art. no. 8762194, pp. 1679-1687.

Leandro, J.C., Masiokas Mariano, H., Carlos, M.S.
WEB PLATFORM for SATELLITE IMAGES DIGITAL PROCESSING FOCUSED on HYDROCLIMATIC MANAGEMENT
(2019) 2018 IEEE Biennial Congress of Argentina, ARGENCON 2018, art. no. 8646187, .

Nolasco, M., Bocco, M., Scavuzzo, C.M.
Agricultural Surfaces Mapping based on Spectral Data and Non-Contemporary Field Reference
(2019) 2018 IEEE Biennial Congress of Argentina, ARGENCON 2018, art. no. 8646305, .

Lanfri, S., Espinosa, M., Lanfri, M., Abril, M., Scavuzzo, C.M. Studying the concept of variogram for time series of point data, applied to ovitraps samplings(2019) 2018 IEEE Biennial Congress of Argentina, ARGENCON 2018, art. no. 8646023, .

Scavuzzo, J.M., Espinosa, M., Fino, E.A.D., Abril, M., Peralta, G., Scavuzzo, C.M.
Spatial generalization of epidemiological models based on the Normalized Environmental Distance NED concept(2019) 2018 IEEE Biennial Congress of Argentina, ARGENCON 2018, art. no. 8646061, .

Rodriguez, H., Lighezzolo, A., Martina, A., Zigaran, G., Vinas Viscardi, D.A., Rodriguez, A., Baudo, F., Scavuzzo, C.M., Bellis, L.M., Arganaraz, J.P. Towards the operational Implementation of the Fire Weather Index FWI based on the High-Resolution WRF Model
(2019) 2018 IEEE Biennial Congress of Argentina, ARGENCON 2018, art. no. 8645974, .

Weinberg, D., Porcasi, X., Lanfri, S., Abril, M., Scavuzzo, C.M. Spatial analyzes of triatomine infestation indices and their association to the actions of a Chagas disease program and environmental variables during a 5-year intervention period(2018) Acta Tropica, 188, pp. 41-49.

Espinosa, M., Di Fino, E.M.A., Abril, M., Lanfri, M., Periago, M.V., Scavuzzo, C.M. Operational satellite-based temporal modelling of Aedes population in Argentina(2018) Geospatial Health, 13 (2), pp. 247-258.

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Listado de publicaciones indexadas de los últimos 3 años (SCOPUS), referencias APA o IEEE

Almeida, C.M.D., Feitosa, R.Q., Hernandez, J., Scavuzzo, C.M., Aragão, L.E.O.C.D.Coping with environmental challenges in Latin America
(2018) ISPRS Journal of Photogrammetry and Remote Sensing, 145, pp. 211-212.

Jacob, M., Drushka, K., Asher, W., Jones, L., Santos-Garcia, A., Scavuzzo, C.M.
Salinity rain impact model (RIM) stratification analysis under several wind speed conditions
(2018) International Geoscience and Remote Sensing Symposium (IGARSS), 2018-July, art. no. 8519358, pp. 1523-1526.

Alarcón, A.G., Germán, A., Aleksinkó, A., Ferreyra, M.F.G., Scavuzzo, C.M., Ferral, A.
Spatial algal bloom characterization by landsat 8-OLI and field data analysis(2018) International Geoscience and Remote Sensing Symposium (IGARSS), 2018-July, art. no. 8518844, pp. 9292-9295.

Argañaraz, J.P., Landi, M.A., Scavuzzo, C.M., Bellis, L.M.Determining fuel moisture thresholds to assess wildfire hazard: A contribution to an operational early warning system
(2018) PLoS ONE, 13 (10), art. no. e0204889, .

Altamiranda-Saavedra, M., Porcasi, X., Scavuzzo, C.M., Correa, M.M.Downscaling incidence risk mapping for a Colombian malaria endemic region
(2018) Tropical Medicine and International Health, 23 (10), pp. 1101-1109.

Scavuzzo, J.M., Trucco, F., Espinosa, M., Tauro, C.B., Abril, M., Scavuzzo, C.M., Frery, A.C.
Modeling Dengue vector population using remotely sensed data and machine learning(2018) Acta Tropica, 185, pp. 167-175.

German, A., Espinosa, M.O., Abril, M., Scavuzzo, C.M.Exploring satellite based temporal forecast modelling of Aedes aegypti oviposition from an operational perspective(2018) Remote Sensing Applications: Society and Environment, 11, pp. 231-240.

Albrieu-Llinás, G., Espinosa, M.O., Quaglia, A., Abril, M., Scavuzzo, C.M.Urban environmental clustering to assess the spatial dynamics of Aedes aegypti breeding sites(2018) Geospatial Health, 13 (1), art. no. 654, pp. 135-142.

Marquez, J.L., Scavuzzo, C.M.
Activities of the GRSS Argentine Section Chapter [Chapters](2018) IEEE Geoscience and Remote Sensing Magazine, 6 (1), pp. 44-46.

Ferral, A., Luccini, E., Solis, V., Frery, A., Aleksinko, A., Bernasconi, I., Scavuzzo, C.M.
IN-SITU and SATELLITE MONITORING of the WATER QUALITY of A EUTROPHIC LAKE INTERVENED with A SYSTEM of ARTIFICIAL AIREATION
(2018) IEEE Latin America Transactions, 16 (2), pp. 627-633.

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▶ **Listado de publicaciones indexadas de los últimos 3 años (SCOPUS), referencias APA o IEEE**

Hoyos, D.M.B., Scavuzzo, C.M., Provensal, M.C., Lanfri, M.A.Generation of environmental information for public health applications using GRASS GIS(2017) 2017 17th Workshop on Information Processing and Control, RPIC 2017, 2017-January, pp. 1-6.

Lanfri, M., Porcasi, X., Albornoz, C., Scavuzzo, C.M., Lighezzolo, A., Aguirre, E., Ferreyra, M.F.G., Rojas, N., Torrusio, S.Operative system of satellite imagery processing as support to the emergencies management(2017) 2017 17th Workshop on Information Processing and Control, RPIC 2017, 2017-January, pp. 1-6.

Rojas, M.N.R., Lopez, L., Guzman, C., Scavuzzo, C.M., Porcasi, X., Lanfri, M., Aguirre, E., Ferreyra, M.F.G., Lighezzolo, A., Albornoz, C.
Use of geospatial tools for decision-making in the arboviruses prevention and control, in the Cordoba city, Argentina(2017) 2017 17th Workshop on Information Processing and Control, RPIC 2017, 2017-January, pp. 1-5.

German, A., Tauro, C., Scavuzzo, M.C., Ferral, A.
Detection of algal blooms in a eutrophic reservoir based on chlorophyll-a time series data from MODIS(2017) International Geoscience and Remote Sensing Symposium (IGARSS), 2017-July, art. no. 8127879, pp. 4008-4011.

Jacob, M., Jones, W.L., Drushka, K., Santos-Garcia, A., Asher, W., Scavuzzo, M.
Salinity rain impact model (RIM) optimization: Preliminary results(2017) International Geoscience and Remote Sensing Symposium (IGARSS), 2017-July, art. no. 8127614, pp. 2939-2942.

Ferral, A., Solis, V., Frery, A., Orueta, A., Bernasconi, I., Bresciano, J., Scavuzzo, C.M.
Spatio-temporal changes in water quality in an eutrophic lake with artificial aeration
(2017) Journal of Water and Land Development, 35 (1), pp. 27-40. Cited 4 times.

Gómez-Bravo, A., German, A., Abril, M., Scavuzzo, M., Salomón, O.D.Spatial population dynamics and temporal analysis of the distribution of Lutzomyia longipalpis (Lutz & Neiva, 1912) (Diptera: Psychodidae: Phlebotominae) in the city of Clorinda, Formosa, Argentina(2017) Parasites and Vectors, 10 (1), art. no. 352, .

Argañaraz, J.P., Radeloff, V.C., Bar-Massada, A., Gavier-Pizarro, G.I., Scavuzzo, C.M., Bellis, L.M.Assessing wildfire exposure in the Wildland-Urban Interface area of the mountains of central Argentina(2017) Journal of Environmental Management, 196, pp. 499-510.

Rotela, C., Lopez, L., Frías Céspedes, M., Barbas, G., Lighezzolo, A., Porcasi, X., Lanfri, M.A., Scavuzzo, C.M., Gorla, D.E. Analytical report of the 2016 dengue outbreak in Córdoba city, Argentina (2017) Geospatial Health, 12 (2), art. no. 564, pp. 226-236.

Sofía Lanfri, Manuel Espinosa, Mario A Lanfri, Victoria M Periago, Marcelo Abril y Carlos M Scavuzzo. Interacción entre escalas espaciales y temporales para datos de campo entomológico: análisis de la serie de oviposición de Aedes Aegypti.

CONAE   UNC