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Departamento de Investigación y Posgrado en Alimentos

Biotecnología, Química Agrícola y Manejo Postcosecha

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Qualifications

Bachelor, Universidad de Guadalajara

PhD

Universidad de Guadalajara

Employment

Departamento de Investigación y Posgrado en Alimentos

Universidad de Sonora

Mexico

1 Jan 1942 → present

Biotecnología, Química Agrícola y Manejo Postcosecha

Universidad de Sonora

Mexico

1 Jan 1942 → present

Research outputs

Biosynthesis of gold and silver nanoparticles using *Parkinsonia florida* leaf extract and antimicrobial activity of silver nanoparticles

López-Millán, A., Toro-Sánchez, C. L. D., Ramos-Enríquez, J. R., Carrillo-Torres, R. C., Zavala-Rivera, P., Esquivel, R., Alvarez-Ramos, M. E., Moreno-Corral, R., Guzmán-Zamudio, R. & Lucero-Acuña, A., 27 Jun 2019, In : Materials Research Express.

Legume Proteins As A Promising Source Of Anti-Inflammatory Peptides

Reyes-Díaz, A., Del-Toro-Sánchez, C. L., Rodríguez-Figueroa, J. C., Valdéz-Hurtado, S., Wong-Corral, F. J., Borboa-Flores, J., González-Osuna, M. F., Perez-Perez, L. M. & González-Vega, R. I., 18 Jun 2019, In : Current Protein and Peptide Science. 20

Gallic Acid-Loaded Zein Nanoparticles by Electrospraying Process

Tapia-Hernández, J. A., Del-Toro-Sánchez, C. L., Cinco-Moroyoqui, F. J., Ruiz-Cruz, S., Juárez, J., Castro-Enríquez, D. D., Barreras-Urbina, C. G., López-Ahumada, G. A. & Rodríguez-Félix, F., 1 Apr 2019, In : Journal of Food Science. 84, 4, p. 818 831 p.

Effect of ultrasonication time on the functional properties of giant squid (*Dosidicus gigas*) mantle protein concentrate

Valdez-Hurtado, S., López-Bermúdez, L. S., Higuera-Barraza, O. A., Del Toro-Sanchez, C. L., Ruiz-Cruz, S., Suárez-Jiménez, M. G. & Marquez-Rios, E., 1 Feb 2019, In : Food Bioscience. 27, p. 1-5 5 p.

Dynamic rheology and microstructure of starch gels affected by triticale genome composition and developing stage

Cornejo-Ramírez, Y. I., Cinco Moroyoqui, F., Carvajal-Millan, E., Brown Bojórquez, F., Rosas Burgos, E. C., Burgos Hernández, A., Martínez-Cruz, O. & Del-Toro-Sánchez, C. L., 1 Jan 2019, In : International Agrophysics. 33, 1, p. 21 30 p.

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Valdez-Hurtado, S., López-Bermúdez, L. S., Higuera-Barraza, O. A., Del Toro-Sanchez, C. L., Ruiz-Cruz, S., Suárez-Jiménez, M. G. & Marquez-Rios, E., 2019, In : Food Bioscience.

Evaluation of Antioxidant Capacity, Protective Effect on Human Erythrocytes and Phenolic Compound Identification in Two Varieties of Plum Fruit (*Spondias spp.*) by UPLC-MS

Hernández-Ruiz, K. L., Ruiz-Cruz, S., Cira-Chávez, L. A., Gassos-Ortega, L. E., Ornelas-Paz, J. D. J., Del-Toro-Sánchez, C. L., Márquez-Ríos, E., López-Mata, M. A. & Rodríguez-Félix, F., 4 Dec 2018, In : Molecules.

Zein-polysaccharide nanoparticles as matrices for antioxidant compounds: A strategy for prevention of chronic degenerative diseases

Tapia-Hernández, J. A., Rodríguez-Felix, F., Juárez-Onofre, J. E., Ruiz-Cruz, S., Robles-García, M. A., Borboa-Flores, J., Wong-Corral, F. J., Cinco-Moroyoqui, F. J., Castro-Enríquez, D. D. & Del-Toro-Sánchez, C. L., Sep 2018, In : Food Research International.

The structural characteristics of starches and their functional properties

Cornejo-Ramírez, Y. I., Martínez-Cruz, O., Toro-Sánchez, C. L. D., Wong-Corral, F. J., Borboa-Flores, J. & Cinco-Moroyoqui, F. J., Jan 2018, In : CYTA - Journal of Food.

Liberación de compuestos fenólicos ligados en el garbanzo (*Cicer arietinum* L.) utilizando microbiota humana intestinal

Perez Perez, L. M., García Borbón, L., González Vega, R. I., Rosas Burgos, E. C., Huerta Ocampo, J. Á., Ruiz Cruz, S., Wong Corral, F. J., Borboa Flores, J., RUEDA PUENTE, EDGAR. OMAR., Del-Toro-Sánchez, C. L. & Rodríguez Figueroa, J. C., 2018, In : Biotecnía. XX, 3, p. 146-154 9 p.

Effect of the inoculation of rhodococcus fascians and azospirillum halopraeferens in germination of palo fierro (*Olneya tesota* a. gray) under greenhouse conditions.

Ortega-García, J., RUEDA PUENTE, EDGAR. OMAR., Duarte-Medina, M., Del-Toro-Sánchez, C. L., Murillo-Amador, B., Preciado-Rangel, P., Hernández-Montiel, L. G., Borboa Flores, J. & Wong Corral, F. J., 1 Jan 2017, In : Tropical and Subtropical Agroecosystems. 20, 20, p. 11-18 8 p., 20.

Optimization of DNA isolation and PCR protocol for analysis and evaluation of genetic diversity of the medicinal plant, *Anemopsis californica* using RAPD

Del-Toro-Sánchez, C. L., Villaseñor-Alvarado, S., Zurita-Martínez, F., Castellanos-Hernández, O. A., Rodríguez-Sahagún, A., Torres-Morán, M. I., Rojas-Bravo, D. & Gutiérrez-Lomelí, M., 1 Jun 2013, In : Acta Biologica Hungarica.

In vitro clonal propagation and regeneration of the commercially important plant Mexican oregano (*Lippia graveolens*)

Castellanos-Hernández, O. A., Acevedo-Hernández, G. J., Torres-Morán, M. I., Zurita, F., Gutiérrez-Lomelí, M., Del Toro-Sánchez, C. L. & Rodríguez-Sahagún, A., 2013, In : In Vitro Cellular and Developmental Biology - Plant.