

Laboratorio de Microscopía Electrónica del INTEMA

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Integrante:

Vanesa Muñoz

Lic. en Química

Dra. En Ciencias de Materiales

Equipamiento:

- Microscopio Electrónico de Transmisión

JEOL, JEM 2100

Año de instalación: 2018

- Crioultramicrotomo

Leica EM FC7

Año de instalación: 2018

Servicios:

Toma de imágenes

Asesoramiento en el análisis de imágenes y preparación de muestras



Actividad científica y académica: Publicaciones y Congresos

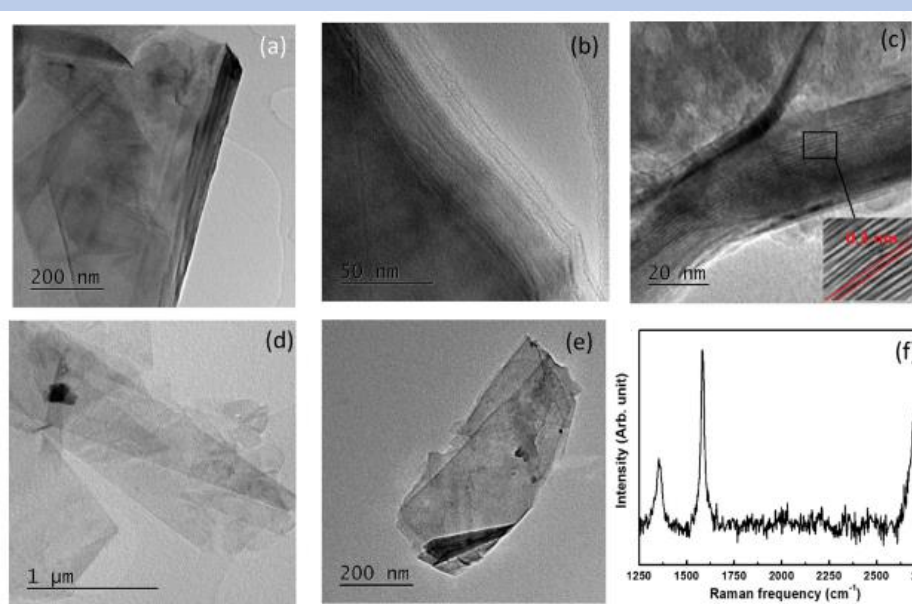


Fig. 8. (a) Typical TEM image of graphene (G_{100}). (b) TEM image of sediment after it was sedimented in the first combined stage. (c) TEM image of sediment after it was sedimented in the last combined stage. (d-e) TEM images of graphene produced in the last combined stage. (f) Representative Raman spectrum of sedimented graphene produced in the last combined stage.

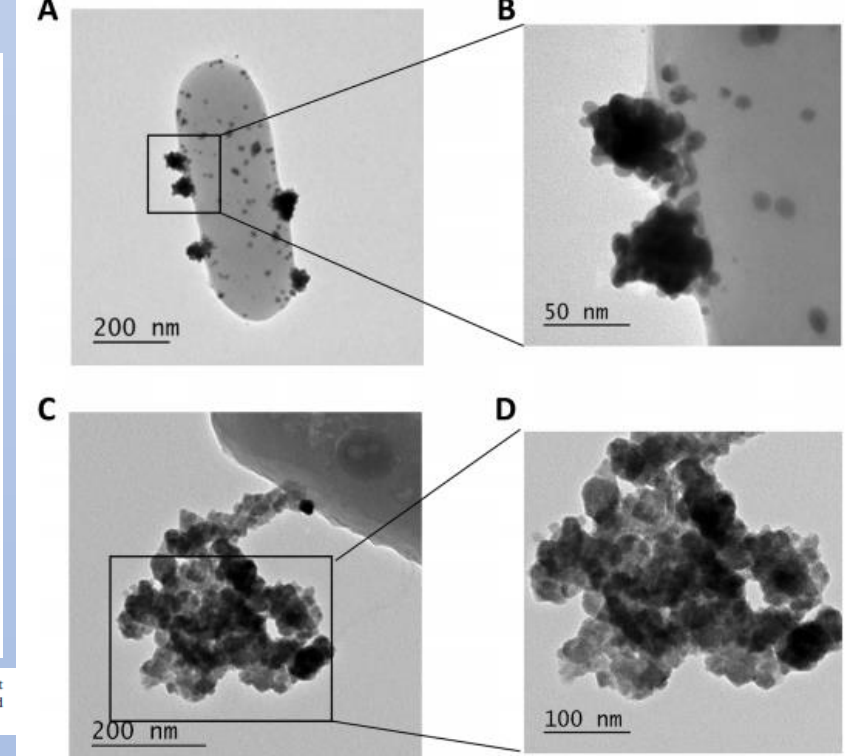
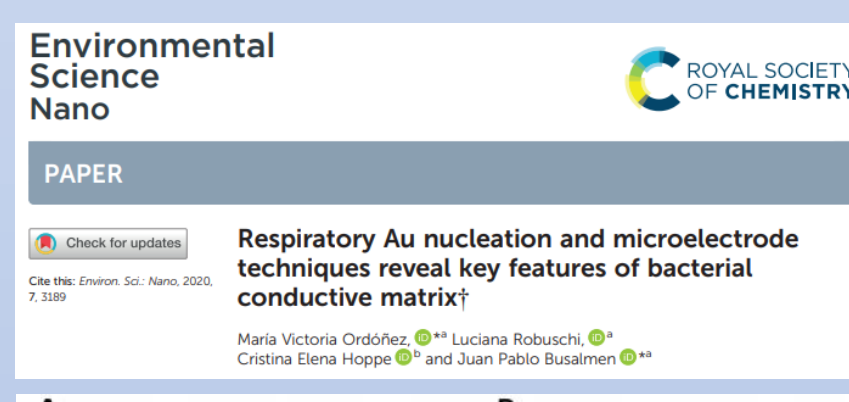


Fig. 5. TEM micrographs of *C. sulfurreducens* batch culture cells grown under fumarate (20 mM)-limited conditions. Cells were incubated with 10 and 200 μ M AuCl₄⁻ for Au mineralization of AuNPs as observed in all images. Pictures B and D show magnified sections within the black squares depicted in pictures A and C, respectively. The black bar indicates the scale in each picture. Images are representative of 3 independent replicates.

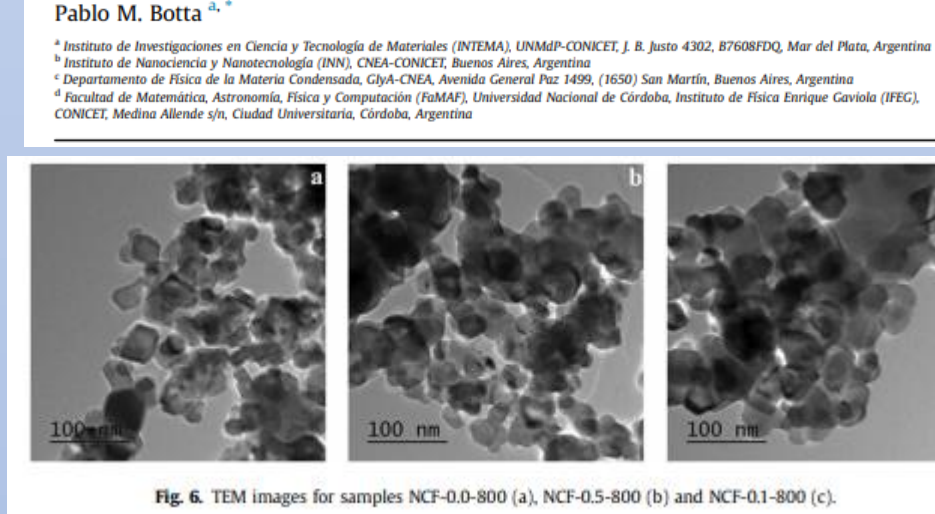
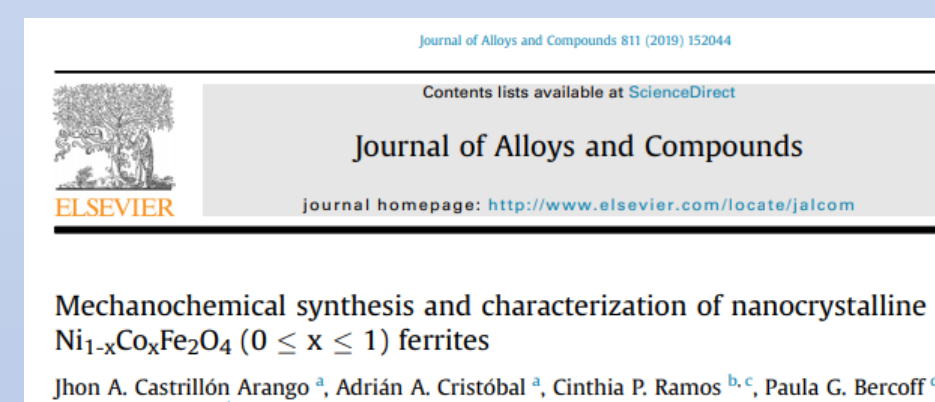
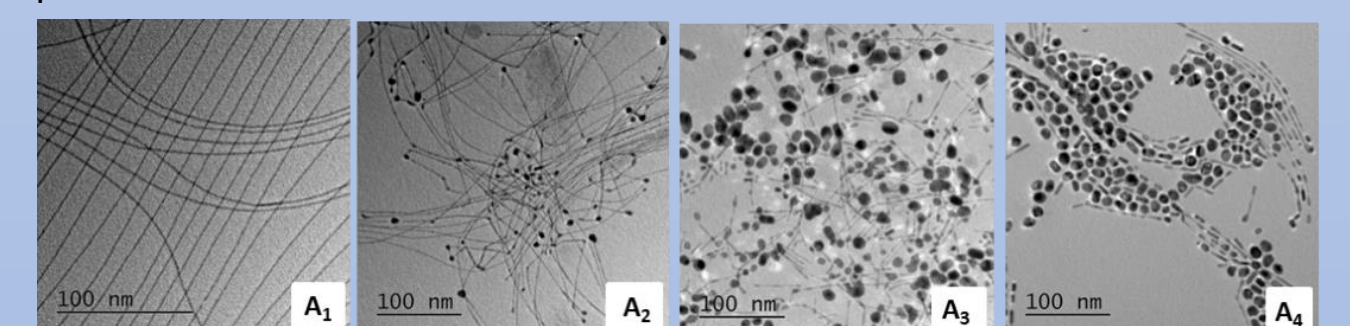


Fig. 6. TEM images for samples NCF-0.0-800 (a), NCF-0.5-800 (b) and NCF-1.0-800 (c).

2019 15º Congreso Interamericano de Microscopía Giasem SAMIC
V. Muñoz ; J. Inchaurrondo, J. P. Busalmen; M. V. Ordoñez, "Transmission Electron Microscopy as a relevant tool in the characterization of hybrid nanostructures of Au Bio-mineralization by electroactive bacteria."

V. Muñoz ; J. S. Gonzalez, C. E. Hoppe, "Tuning Size And Morphology Of Nanostructures: The Fundamental Role Of Transmission Electron Microscopy In Synthesis Control."

2020 1er Encuentro virtual CaracterizarAR 2020
V. Muñoz, M. S. Álvarez Cerimedo, C. Hoppe "Caracterización morfológica por Microscopía Electrónica de Transmisión de la variación de nanoestructuras de Au con la temperatura"

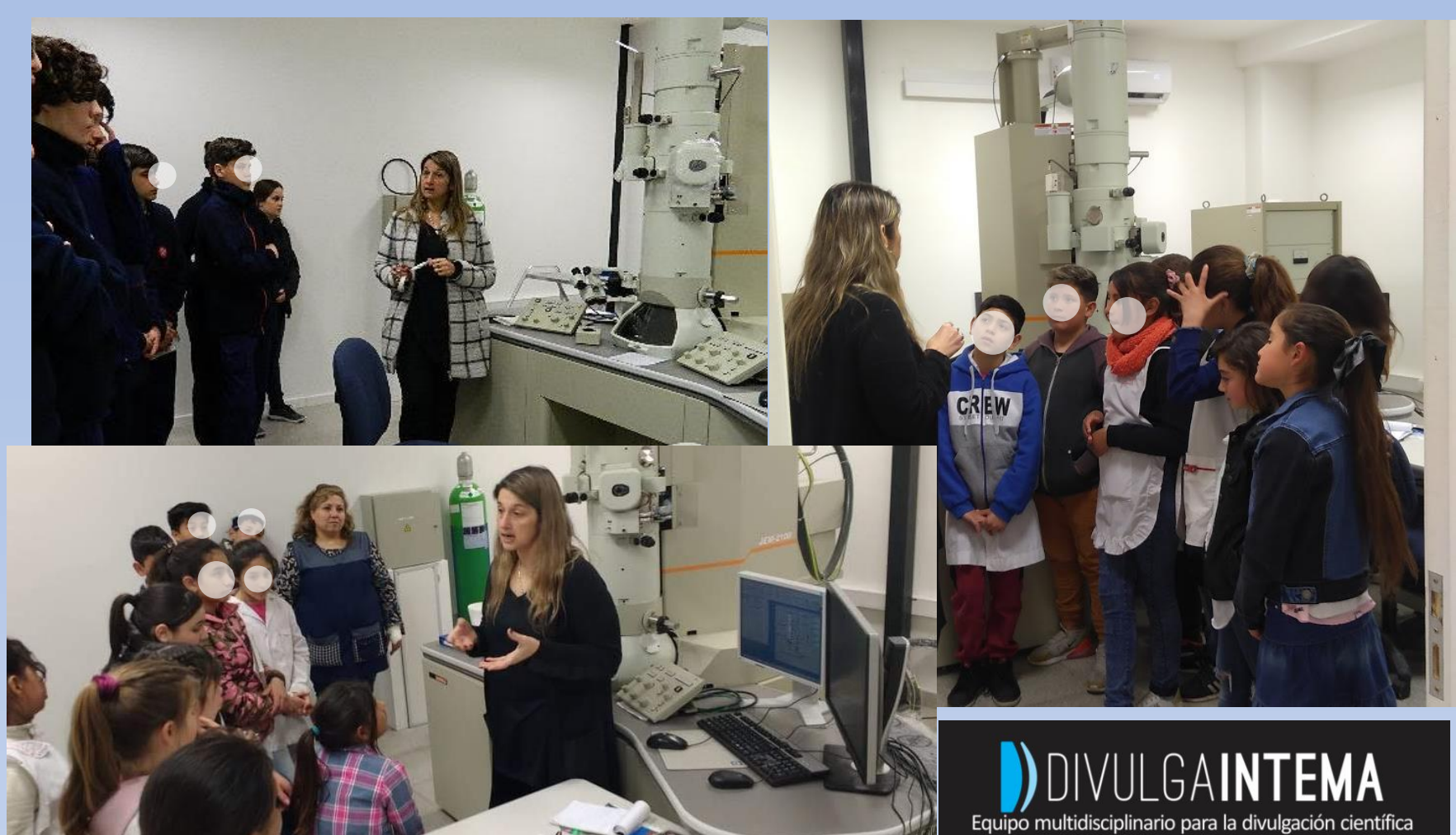
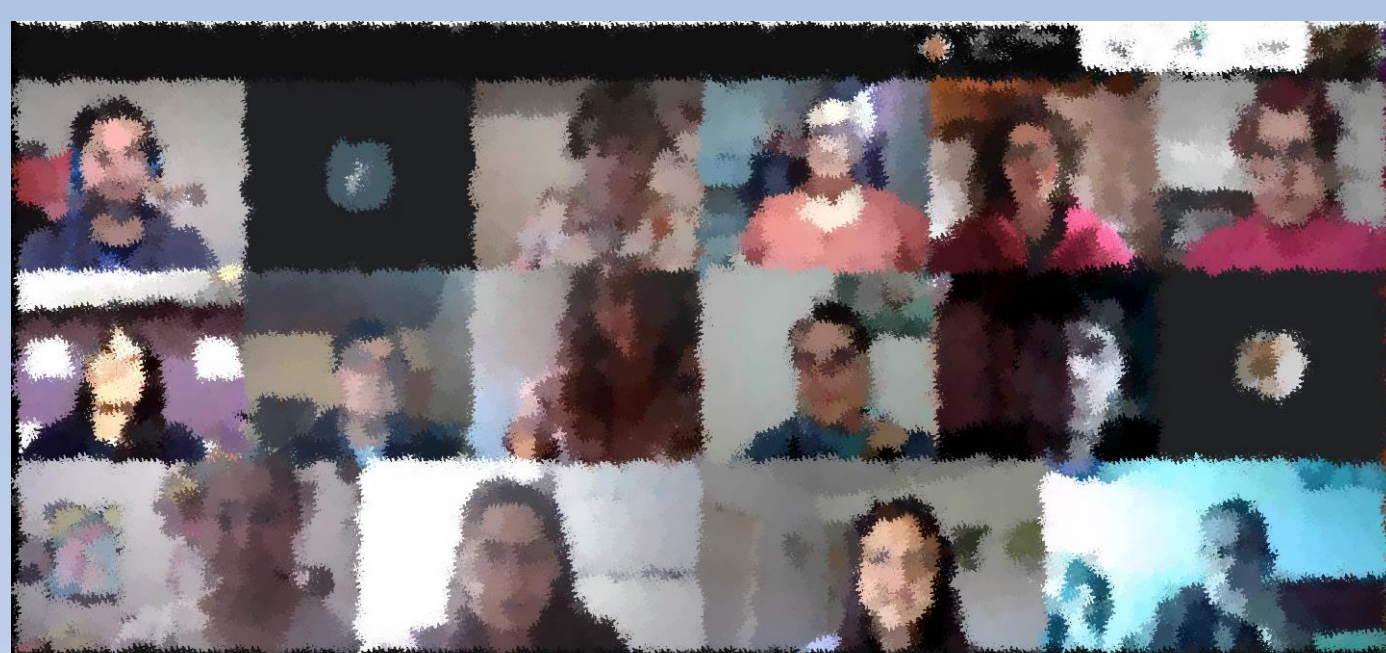


ACTIVIDADES DE COMUNICACIÓN PUBLICA DE LA CIENCIA



Docencia: Curso de postgrado para el Doctorado en Materiales
Curso de capacitación para CPAs de INTEMA

APLICACIÓN DE TÉCNICAS DE MICROSCOPIA PARA LA CARACTERIZACIÓN DE MATERIALES



DIVULGAINTEMA
Equipo multidisciplinario para la divulgación científica