

*Curriculum vitae*  
**Julio Pastor Guzman**  
**Investigador Nacional Nivel 1**  
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**FORMACIÓN**

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|------|---------------------|--|
| 2019 | <b>Doctorado</b>    | Ciencias Ambientales. University of Southampton, Inglaterra.<br>Tesis: Remote Sensing Mangrove Forest Phenology.   |
| 2009 | <b>Maestría</b>     | Desarrollo Sustentable y Turismo. Universidad de Guadalajara.<br>Tesis: Capacidad de Cargo de los Sitios de Buceo del Parque Nacional Arrecifes de Puerto Morelos. |
| 2006 | <b>Licenciatura</b> | Biología, Especialidad Marina. Tecnológico Nacional de México.   |

**PROYECTOS DE INVESTIGACIÓN**

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|-----------|---|
| 2021-     | Tendencias en la fenología y productividad de los manglares del Pacífico Mexicano usando sensores remotos. Convocatoria 2021-2: Proyectos de Investigación Científica.  |
| 2019-2020 | Persistent Scattering Interferometry for Monitoring Land Deformation in the Mining Sector. Colaboración con la industria dentro del programa SPace Research and Innovation Network for Technology (SPRINT) financiado por Research England, Scottish Funding Council y UK Space Agency. |
| 2019-2020 | Developing Agriculture Water Analysis Software (AWAS) – A Tool to Plan Crop Irrigation. Colaboración con la industria dentro del programa SPace Research and Innovation Network for Technology (SPRINT) financiado por Research England, Scottish Funding Council y UK Space Agency.    |
| 2019      | Innovative Earth Observation Based Drought Model for African Pastoral Areas to Improve Sovereign Disaster Risk Management Under African Risk Capacity (EOPAM-ARC). International Livestock Research Institute (ILRI) y ARC.   |
| 2018-2020 | Sentinel-3 Mission Performance Centre (S3MPC) Expert Support Laboratory (ESL). Agencia Espacial Europea.  |
| 2018-2020 | Fiducial Reference Measurements for Vegetation (FRM4VEG). Agencia Espacial Europea.   |
| 2017-2020 | Ground Based Observations for Validation of Copernicus Global Land Products (GBOV). Comisión Europea y Agencia Espacial Europea   |
| 2017-2018 | Development of an Automated Model for Integration of Multi-Source Satellite Imagery for Crop Monitoring. Colaboración con la industria. Financiado por Science and Technology Facilities Council (STFC).  |

## PUBLICACIONES

Ling Y, Teng S, Liu C, Dash J, Morris H, **Pastor-Guzman J.** Assessing the Accuracy of Forest Phenological Extraction from Sentinel-1 C-Band Backscatter Measurements in Deciduous and Coniferous Forests. *Remote Sensing*. 2022; 14(3):674. <https://doi.org/10.3390/rs14030674>

Brown LA, Camacho F, García-Santos V, Origo N, Fuster B, Morris H, **Pastor-Guzman J**, Sánchez-Zapero J, Morrone R, Ryder J, Nightingale J, Boccia V, Dash J. Fiducial Reference Measurements for Vegetation Bio-Geophysical Variables: An End-to-End Uncertainty Evaluation Framework. *Remote Sensing*. 2021; 13(16):3194. <https://doi.org/10.3390/rs13163194>

Brown, L. A., Meier, C., Morris, H., **Pastor-Guzman, J.**, Bai, G., Lerebourg, C., Gobron, N., Lanconelli, C., Clerici, M., & Dash, J. (2020). Evaluation of global leaf area index and fraction of absorbed photosynthetically active radiation products over North America using Copernicus Ground Based Observations for Validation data. *Remote Sensing of Environment*, 247, 111935. <https://doi.org/https://doi.org/10.1016/j.rse.2020.111935>

**Pastor-Guzman, J.**, Brown, L., Morris, H., Bourg, L., Goryl, P., Dransfeld, S., & Dash, J. (2020). The Sentinel-3 OLCI Terrestrial Chlorophyll Index (OTCI): Algorithm Improvements, Spatiotemporal Consistency and Continuity with the MERIS Archive. *Remote Sensing* 12(16). <https://doi.org/10.3390/rs12162652>

**Pastor-Guzman, J.**, Dash, J., & Atkinson, P. M. (2018). Remote sensing of mangrove forest phenology and its environmental drivers. *Remote Sensing of Environment*, 205, 71–84. <https://doi.org/https://doi.org/10.1016/j.rse.2017.11.009>

**Pastor-Guzman, J.**, Atkinson, P. M., Dash, J., & Rioja-Nieto, R. (2015). Spatiotemporal Variation in Mangrove Chlorophyll Concentration Using Landsat 8. *Remote Sensing*. 7(11). <https://doi.org/10.3390/rs71114530>

## CONGRESOS Y TALLERES

- 2022 UK National Earth Observation Conference, Leicester, Reino Unido.
- 2022 European Space Agency (ESA) Living Planet Symposium, Bonn, Alemania.
- 2020 Sentinel-3 Validation Team Meeting (S3VT), Alemania.
- 2019 European Space Agency (ESA) Living Planet Symposium, Milán, Italia.
- 2018 Remote Sensing and Photogrammetry Society (RSPSoc) Annual Conference, Inglaterra.
- 2015 RSPSoc, NCEO and CEOI-ST Joint Annual Conference, Inglaterra.
- 2013 ESA 4th Advanced Training Course in Land Remote Sensing, Atenas, Grecia.
- 2009 Áreas Marinas Protegidas (UNAM-Florida International University), Mexico.
- 2009 XIII Congreso Latinoamericano de Ciencias del Mar (COLACMAR), La Habana, Cuba.
- 2007 IV Congreso Mexicano de Arrecifes de Coral, México.

## BECAS Y DISTINCIONES

- 2021 Sistema Nacional de Investigadores (SNI), Nivel 1.
- 2012 Becario Doctorado en Extranjero, Consejo Nacional de Ciencia y Tecnología (CONACYT).
- 2007 Becario Maestría, Dirección General de Estudios Superiores Tecnológicos (DGEST).