

Publications

95. Assessing nanosafety in aquatic systems using *Spirodela intermedia*: Responses to metal nanoparticles and ions. M. Petri, L. Terraciano, M. S. Cruz, V. Diz, G. A. González y M. G. Lagorio, *Nanotechnology for Environmental Engineering*, **2026**, 11, 123, <https://doi.org/10.1007/s41204-026-00616-y>.

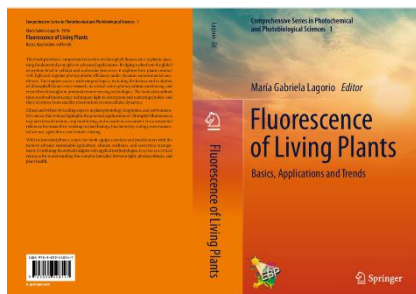
94. Fluorescence-based and multi-technique spectroscopy for the non-invasive analysis of small-format printed objects. C. Angulo Valdivia, E. Tomasini, Ma. G. Lagorio, *Radiation Physics and Chemistry*, 250, **2027**, 114271, <https://doi.org/10.1016/j.radphyschem.2026.114271>.

93. Canopy chlorophyll fluorescence escape fraction under polychromatic irradiation. J. M. Romero, Ivana López Valiño, G. B. Cordon and M. G. Lagorio. *Photochem. Photobiol. Sci*, **2026**, **25**, 1733–1746 <https://doi.org/10.1007/s43630-026-00948-3>

92. Soil moisture ranges optimizing PSII efficiency and energy partitioning in C3, C4, and CAM plants revealed by chlorophyll fluorescence. B. Ospina-Calvo, M. Petri, G. A. González, M. G. Lagorio, *J. Photochem. Photobiol.* 34, **2026**, <https://doi.org/10.1016/j.jpap.2026.100291>.

91. Silver-Form-Driven Nanotoxicity Reveals *Spirodela intermedia* W. Koch as a Potential Bioindicator for Aquatic Systems. M. S. Cruz, M. Petri, L. Terraciano, M. G. Lagorio, G. A. González, and V. Diz. *Chemical Research in Toxicology*, **2026**.
<https://pubs.acs.org/action/showCitFormats?doi=10.1021/acs.chemrestox.5c00490&ref=pdf>

90



Book. Lagorio, M. G. Editor. **FLUORESCENCE OF LIVING PLANTS**. Basics, Applications and Trends. Ed. Springer. 2025. Comprehensive Series in Photochemical and Photobiological Sciences.

<https://link.springer.com/book/9783032048547>

89. Spatiotemporal Analysis of Herbicide-Induced Stress in Chicory Leaves Using Chlorophyll-a Fluorescence Imaging. I. López Valiño, G. B. Cordon, M. G. Lagorio. *Photochem. Photobiol. Sci.*, **2025**. <https://doi.org/10.1007/s43630-025-00792-x>.

88. Bioplatform for Detecting Organophosphorus Compound Exposure. T. R. Filippini, A. Hunt, M. G. Lagorio, G. B. Cordon, V. Diz, G. A. González. *Health Security*, **2025**. , <https://doi.org/10.1177/23265094251384642>.

87. Arsenic and Vanadium in soils: Effects on Photosynthetic Chain Dynamics in *Ocimum basilicum* L. C. A. Costamagna, R. S. Lavado, F. V. Molina, M. G. Lagorio, *Photochemical and Photobiological Sciences*, **2025**, **24**, 813–825 (2). <https://doi.org/10.1007/s43630-025-00729-4>.
86. Evaluating photosystem II efficiency in *Parachlorella kessleri* under atrazine exposure using chlorophyll a fluorescence analysis. B. Ospina Calvo, A. B. Juárez, M. G. Lagorio, *J. Photochem. Photobiol. B: Biology*, **2025**, **267**, 113167, <https://doi.org/10.1016/j.jphotobiol.2025.113167>.
85. Tracking acetylcholinesterase inhibitor pesticides in the environment using the rapid transient of chlorophyll fluorescence. I. López Valiño, G. Dieguez Gaviola, V. E. Diz, G. A. González, M. G. Lagorio, G. B. Cordon, *Photochemistry and Photobiology*, **2025**; **00**: 1-13. doi:10.1111/php.14080.
84. Cordon, G., Petri, M., López Valiño, I., Lagorio, M.G. **2025**. Perspectives on Chlorophyll Fluorescence. In: Comprehensive Series in Photochemical and Photobiological Sciences. Springer, Cham. https://doi.org/10.1007/17361_2025_4
83. Lagorio, M. G. Chlorophyll fluorescence. History. Chapter 1 in FLUORESCENCE OF LIVING PLANTS. Basics, Applications and Trends. Comprehensive Series in Photochemical and Photobiological Sciences. **2024**, Springer, Cham. https://doi.org/10.1007/17361_2024_1
82. Lagorio, M.G., Cordon, G.B., Romero, J.M., López Valiño, I. From Space to Cells: Physical Models for Light Re-absorption and Scattering. In: FLUORESCENCE OF LIVING PLANTS. Basics, Applications and Trends Comprehensive Series in Photochemical and Photobiological Sciences. **2024**, Springer, Cham. https://doi.org/10.1007/17361_2024_2
81. Semblanza de Pedro Aramendía. Carlos A. Chesta y María Gabriela Lagorio. Ciencia e Investigación., Reseñas. Asociación argentina para el progreso de las ciencias, **2024**. [Revista Ciencia e Investigación Reseñas – AAPC \(aargentinapciencias.org\)](https://www.aapc.org.ar/revista-ciencia-e-investigacion-reseñas)
80. Editorial: Special Issue on Optical Spectroscopy of Plants and Algae, G. Agati, M. G. Lagorio, *Journal of Photochemistry and Photobiology*, **2024**, **100246**, <https://doi.org/10.1016/j.jpap.2024.100246>
79. Chlorophyll fluorescence in sentinel plants for the surveillance of chemical risk. M. Petri, G. B. Cordon, V. E. Diz, G. A. González, M. G. Lagorio. *Journal of Photochemistry and Photobiology B*, **2024**, **257**, 112965. <https://doi.org/10.1016/j.jphotobiol.2024.112965>
78. Hydrodynamic cavitation effects over complex organic mixtures. S. N. Fleite, R. Torres, M. G. Lagorio, V. V. Ranade, M. C. Cassanello, *Chemical Engineering Research and Design*, **2024**, **204**, 371–381. <https://doi.org/10.1016/j.cherd.2024.02.036>
77. Solid-state spiro-rhodamines: rational design of photoactive materials, J. Alday, C. Huck Iriart, M. G. Lagorio, M. G. Lebrero, S. Suárez, *Acta Crystallographica Section A*, **2023**, **A79**, C74. <https://journals.iucr.org/a/issues/2023/a2/00/a63005/a63005.pdf>

76. Improved photosynthetic performance induced by Fe₃O₄ nanoparticles. R. Torres, V. Diz, M. G. Lagorio, *Photochem. Photobiol. Sci.*, **2022**, 1-16; <https://doi.org/10.1007/s43630-022-00269-1>
75. Nanobiophotonics. Effect of carbon nanoparticles on the optical and spectroscopic properties of *Cichorium intybus* leaves. R. Torres, V. Diz, M. G. Lagorio, *J. Photochem. Photobiol.*, **2022**, 10, 100121. <https://doi.org/10.1016/j.jpap.2022.100121>
74. In situ photoswitching of spirorhodamine isomers in solid state J. Alday, M. Michel Torino, L. Alvarez, M. G. Lagorio, C. Huck Iriart, S. Suarez, *Acta Cryst.*, **2021**, A77, C392. Conference paper. <https://journals.iucr.org/a/issues/2021/a2/00/a59981/a59981.pdf>
73. Mixed approach on *Chroodactylon ornatum* (Stylonematophyceae, Rhodophyta) tolerance to hyposalinity: growth, photosynthetic performance and carbohydrate analysis. Y. Daglio, J. M. Romero, M. G. Lagorio, C. A. Stortz, M. C. Rodríguez, *Phycologia*, **2021**, 61, 16-26, <https://doi.org/10.1080/00318884.2021.1993027>
72. A mathematical approach to assess the ability of light filters to improve color discriminability of color vision deficient persons. N. González Bardeci, M. G. Lagorio, *Heliyon*, **2021**, Research article E08058, DOI: <https://doi.org/10.1016/j.heliyon.2021.e08058>
71. Canopy active fluorescence spectrum tracks ANPP changes upon irrigation treatments in soybean crop. J.M. Romero, A. Otero, M. G. Lagorio, A.G. Berger, G. B. Cordon, *Rem. Sens. Env.*, **2021**, 263, 112525. <https://doi.org/10.1016/j.rse.2021.112525>
70. Effects of sub-optimal illumination in plants. Comprehensive chlorophyll fluorescence analysis. R. Torres, J. M. Romero, M. G. Lagorio, *J. Photochem. Photobiol. B*, **2021**, 218, 112182. <https://doi.org/10.1016/j.jphotobiol.2021.112182>
69. A cost-effective algae-based biosensor for water quality analysis: development and testing in collaboration with peasant communities. C. Prudkin-Silva, E. Lanzarotti, L. Álvarez, M. B. Vallergera, M. Factorovich, U. N. Morzan, M. Petrona Gómez, N. P. González, Y. M. Acosta, F. Carrizo, E. Carrizo, S. Galeano, M. G. Lagorio, A. B. Juárez, R. E. Ithuralde, J. M. Romero, C. M. Urdampilleta, *Environ. Technol. Innov.*, **2021**, 22, 101479. <https://doi.org/10.1016/j.eti.2021.101479>
68. Influence of Surface Structure, Pigmentation and Particulate Matter on Plant Reflectance and Fluorescence, N. Cuba, R. Torres, E. San Román and M. G. Lagorio, *Photochem. Photobiol.*, **2021**, 97, 110-121. <https://doi.org/10.1111/php.13273>
67. Biophotonics. Fluorescence and Reflectance in Living Organisms. M. Gabriela Lagorio, Gabriela B. Cordon, Analia Iriel, Juan M. Romero, Julián Faivovich and Carlos Taboada, *Sci. Rev. Few*, **2020**, 2, 1, 18-41. <https://doi.org/10.52712/sciencereviews.v2i1.36>

66. Simulation and optimization of a lamella settler for cattle feedlot wastewater treatment and nutrients recovery. Experimental validation in the field. S. N. Fleite, A. R. García, L. L. Missoni, R. Torres, M. G. Lagorio, M. Cassanello, *Heliyon*, **2020**, 6, 12, e05840. <https://doi.org/10.1016/j.heliyon.2020.e05840>

65. Tutorial: Determination of Fluorescence Quantum Yields in Scattering Media. M. G. Lagorio, *Methods Appl. Fluoresc.*, **2020**, 8, 4, 043001, <https://dx.doi.org/10.1088/2050-6120/aba69c>

64.  Multiple origins of green coloration in frogs mediated by a novel biliverdin-binding serpin, C. Taboada, A. E. Brunetti, M. L. Lyra, R. R. Fitak, A. Faigon, S. Ron, M. G. Lagorio, C. F. B. Haddad, N. P. Lopes, S. Johnsen, J. Faivovich, L. B. Chemes, Sara E. Bari, *PNAS*, jul **2020**, 202006771; <https://doi.org/10.1073/pnas.2006771117>

63. Re-absorption and scattering of chlorophyll fluorescence in canopies: A revised approach, J. M. Romero, G. B. Cordon and M. G. Lagorio, *Rem. Sens. Env.*, **2020**, 246, 111860. <https://doi.org/10.1016/j.rse.2020.111860>

62. Photochemistry and photophysics of biological systems, chlorophyll fluorescence and photosynthesis. J. M. Romero, R. Torres, B. Ospina Calvo, V. E. Diz, A. Iriel, G. B. Cordon, and M. G. Lagorio, *An. Asoc. Qca. Arg.*, **2020**, 107, 2, 1-32. <https://www.aqa.org.ar/images/anales/pdf107-2/107-2.pdf>

61. Enrique San Román (1945–2019) (Research note), P. Aramendía, S. Braslavsky and M. G. Lagorio, *Photochem. Photobiol.*, **2020**, <https://doi.org/10.1111/php.13259>

60. Quantitative Effects of Pigmentation on the Re-absorption of Chlorophyll a Fluorescence and Energy Partitioning in leaves, B. Ospina Calvo and M. G. Lagorio. *Photochem Photobiol.* **2019**; 95, 1360-1368. doi:10.1111/php.13149. <https://doi.org/10.1111/php.13149>

59. Non-destructive methodologies applied to track the occurrence of natural micropollutants in watering: *Glycine max* as a biomonitor, A. Iriel, G. Cordon, A. Fernandez Cirelli, M. G. Lagorio. *Ecotoxicology and Environmental Safety* **2019**, 182, 109368. <https://doi.org/10.1016/j.ecoenv.2019.109368>

58. Estimación de la eficiencia de uso de la radiación en recursos forrajeros perennes del Uruguay, Capítulo 8 en Bases ecológicas y tecnológicas para el manejo de pastizales II. José M Paruelo, Mariano Oyarzabal; Gabriela Cordon; María Gabriela Lagorio; Marcelo Pereira, Instituto Nacional de Investigación agropecuaria, Uruguay. Serie FPTA-INIA, N° 69, marzo **2019**, ISSN: 1688-924X. <https://ri.conicet.gov.ar/handle/11336/198995>

57. MALDI- and LDI-MS saponin fingerprint of leaves and sticks components of commercial yerba mate (*Ilex paraguariensis*), G. Petroselli, T. L. Parapugna, M. G. Lagorio, R. Erra-Basells. *J. Mass Spectrometry*, **2019**, 54, 2, 195-203. <https://doi.org/10.1002/jms.4324>

56.



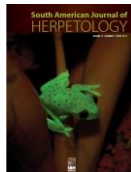
Photophysics at Unusually High Dye Concentrations. H. B. Rodriguez, M. Mirenda, M. G. Lagorio, E. San Román, *Acc. Chem. Res.*, **2019**, 52, 1, 110-118, <https://doi.org/10.1021/acs.accounts.8b00271>

55. Arsenic effects on some photophysical parameters of *Cichorium intybus* under different radiation and water irrigation regimes. G. Cordon, A. Iriel, A. Fernández Cirelli, M.G. Lagorio, *Chemosphere* **2018**, 204, 398-404. <https://doi.org/10.1016/j.chemosphere.2018.04.048>

54. Effects of gold nanoparticles on the photophysical and photosynthetic parameters of leaves and chloroplasts. R. Torres, V. Diz, M. G. Lagorio, *Photochem. Photobiol. Sci.*, **2018**, 17, 505-516. <https://doi.org/10.1039/c8pp00067k>

53. Modeling re-absorption of fluorescence from the leaf to the canopy level. J. M: Romero, G. B. Cordon and M. G. Lagorio, *Rem Sens Environ*, **2018**, 204, 138-146. <http://dx.doi.org/10.1016/j.rse.2017.10.035>

52.



Fluorescent Frogs: A Herpetological Perspective. C. Taboada, A. E. Brunetti, C. Alexandre, M. G. Lagorio, J. Faivovich, *South American Journal of Herpetology*, 12, **2017**, 1–15. <https://doi.org/10.2994/SAJH-D-17-00029.1>

51.



Naturally occurring fluorescence in frogs. C. Taboada, A. E. Brunetti, F. N. Pedron, F. Carnevale Neto, D. A. Estrin, S. E. Bari, L. B. Chemes, N. Pepporine Lopes, M. G. Lagorio and J. Faivovich. *PNAS*, **2017**, 114, 3672–3677. <https://doi.org/10.1073/pnas.1701053114>

50. Variability in chlorophyll fluorescence spectra of eggplant fruit grown under different light environments: a case study, B. Ospina Calvo, T. L. Parapugna and M. G. Lagorio, *Photochem. Photobiol. Sci.*, **2017**, 16, 711-710, <https://doi.org/10.1039/C6PP00475J>

49. Lead effects on *Brassica napus* photosynthetic organs, G. V. Ferreyroa, M. G. Lagorio, María A. Trinelli, Raúl S. Lavado, Fernando V. Molina, *Ecotoxicology and Environmental Safety*, **2017**, 140, 123–130. <https://doi.org/10.1016/j.ecoenv.2017.02.031>

48. Rapid spectroscopic method to assess moisture content in free and packaged oregano (*Origanum vulgare* L.). Johanna Mendes Novo, Analía Iriel, and María Gabriela Lagorio. *JARMAP*, **2016**, 3, 211-214. <https://doi.org/10.1016/j.jarmap.2016.08.004>

47. Suggestions and Recommendations for Future Research in Phytoremediation, Analía Iriel, M. Gabriela Lagorio and Alicia Fernández Cirelli, *Journal of Botanical Sciences/BIOBIO*, **2016**, S3, 29-31.
46. Biospectroscopy, biospectrometry and imaging of *Ilex paraguariensis*. Basis for non-destructive quality evaluation using artificial vision, Tamara L. Parapugna, Gabriela Petroselli, Rosa Erra-Basells and M. Gabriela Lagorio, *Photochem. Photobiol. Sci.*, **2016**, 15, 879-888. <https://doi.org/10.1039/C6PP00054A>
45. Chlorophyll fluorescence, photochemical reflective index and normalized difference vegetative index during plant senescence, Gabriela B. Cordon, M. Gabriela Lagorio y José Paruelo; *J. Plant Physiol.*, **2016**, 199, 100-110. <https://doi.org/10.1016/j.jplph.2016.05.010>
44. Biosorption of arsenic from groundwater using *Vallisneria gigantea* plants. Kinetics, equilibrium and photophysical considerations, Analía Iriel, María G. Lagorio, Alicia Fernández Cirelli, *Chemosphere*, **2015**, 138, 383-389. <https://doi.org/10.1016/j.chemosphere.2015.06.053>
43. Reviewing the relevance of fluorescence in biological Systems, María Gabriela Lagorio*, Gabriela Beatriz Cordon and Analía Iriel, *Photochem. Photobiol. Sci.*, **2015**, 14, 1538-1559. <https://doi.org/10.1039/C5PP00122F>
42. Effect of arsenic on reflectance spectra and chlorophyll fluorescence of aquatic plants, Analía Iriel, Gavin Dundas, Alicia Fernández Cirelli, María G. Lagorio, *Chemosphere*, **2015**, 119 697-703. <https://doi.org/10.1016/j.chemosphere.2014.07.066>
41. Remoción de arsénico en localidades de la provincia de Santiago del Estero, Argentina. Evaluación del acceso, uso y calidad de agua en poblaciones rurales con problemas de arsénico. Marta I. Litter, Sebastián Pereyra, Clara E. López Pasquali, Analía Iriel, Alejandro M. Senn, Fabiana E. García, María Florencia Blanco Esmoris, Karina Rondano, D. Carolina Pabón, Lelia E. Dicelio, María G. Lagorio, Gabriel D. Noel. *AIDIS* **2015**, 125, 13-25. https://www.researchgate.net/publication/329949548_Remocion_de_arsenico_en_localidades_de_la_provincia_de_Santiago_del_Estero_Argentina_Evaluacion_del_acceso_uso_y_calidad_de_agua_en_poblaciones_rurales_con_problemas_de_arsenico
40. Atrazine and Methyl viologen effects on Chlorophyll-a fluorescence revisited. Implications in Photosystems Emission and Ecotoxicity Assessment. Analía Iriel, Johanna Mendes Novo, Gabriela Cordon and M. Gabriela Lagorio. *Photochem. Photobiol.*, **2014**, 90, 107-112. <https://doi.org/10.1111/php.12142>
39. Reflectance Spectroscopy (invited review) in Optical Spectroscopy: Technology, Properties and Performance, M. G. Lagorio. Editor: Nicolae Tomozeiu, Nova Science Publishers, Eds, N.Y., USA., **2014**, Chapter 2, 35-61. ISBN: 978-1-63321-277-0.

38. Spectroscopy, Microscopy and Fluorescence Imaging of *Origanum vulgare* L. Basis for Non-destructive Quality Assessment. Johanna Mendes Novo, Analia Iriel, M. Claudia Marchi and M. Gabriela Lagorio. *Photochem. Photobiol.* **2013**, 89, 1383-1390. <https://doi.org/10.1111/php.12131>

37. Understanding the Role of Pigments in Flowers (invited review) in *Flowers: Morphology, Evolutionary Diversification and Implications for the Environment*, M. G. Lagorio. Nova Science Publishers, Teodor Berntsen and Kaj Alsvik, Eds., New York, USA., **2013**, Ch.3, pp.55-74, Book ID: 3430, Chapter ID: 18100. ISBN: 978-1-62808-798-7.

36. Assessment of the role of fluorescent root and seed exudates in crop plants, Pablo Yaryura, Gabriela Cordon, Mariana León, Norma Kerber, Norma Pucheu, M. Gabriela Lagorio, Gerardo Rubio, Jorge Vivanco and Augusto García. *Journal of Plant Nutrition*, ISSN 0190-4167, **2013**, 36, 811-824. <https://doi.org/10.1080/01904167.2012.757320>

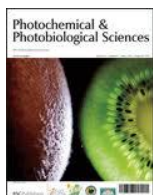
35. Understanding the Role of Pigments in Flowers, M. G. Lagorio. *Environmental Research Journal*, **2013**, 7, 3, 248-265.

34.



Fluorescent and ultraviolet sexual dichromatism in the blue-winged parrotlet, A. S. Barreira, M. G. Lagorio, D. A. Lijtmaer, C. Loughheed, and P. L. Tubaro. *J. Zoology*, **2012**, 288, 135–142. <https://doi.org/10.1111/j.1469-7998.2012.00931.x>

33.



Modelling chlorophyll fluorescence of kiwi fruit (*Actinidia deliciosa*), J. M. Novo, A. Iriel and M. G. Lagorio. *Photochem. Photobiol. Sci.*, **2012**, 11, 724-730. <https://doi.org/10.1039/c2pp05299g>

32. Chlorophyll Fluorescence as a rapid assay method for ecotoxicity assessment. J. Mendes Novo, A. Iriel, G. B. Cordon and M. G. Lagorio. *Proceedings of the International Congress of Environmental Science and Technology* ISBN 978-987-28123-1-7. Asociación Argentina para el Progreso de las Ciencias EDITORIAL, Buenos Aires – Argentina, **2012**, 769-774. <https://doi.org/10.1039/b617685b>

31. Sensing chlorophyll, carotenoids and anthocyanin concentration in leaves with spatial resolution from digital image (invited manuscript). In *Color in Food: Technological and Psychophysical Aspects* G. B. Cordon and M. G. Lagorio., CRC Press, New York, USA. ISBN 978-1-43987-693-0, **2012**, Ch.13, 121-132.

30. Photoreceptors and Quantum catches (invited review) in Photoreceptors: Physiology, Types and Abnormalities, M. G. Lagorio. Nova Science Publishers, New York, USA. ISBN 978-1-61942-619-1, **2012**, Ch.6, 113-132.

29. Chlorophyll fluorescence emission spectra in photosynthetic organisms (invited review) in Chlorophyll: Structure, Production and Medicinal Uses M. G. Lagorio., Nova Science Publishers, New York, USA. ISBN 978-1-61470-974-9, **2011**, 115-150.

28. Is the flower fluorescence relevant in biocommunication? Analía Iriel and M. Gabriela Lagorio, *Naturwissenschaften*, **2010**, 97, 10, 915-924. <https://doi.org/10.1007/s00114-010-0709-4>.

27. Non-destructive Assessment of Water and Pigments in Leaves from the Remission Function using the Kubelka-Munk theory. Gabriela B. Cordon, Santiago Gismondi, Analía V. Nievas, M. Gabriela Lagorio, *Proceedings of the International Color Association*, **2010**, 397-400. ISSN 0280-2198. <https://doi.org/10.1016/j.ecoenv.2019.109368>

26. Sensing chlorophyll and anthocyanin concentration in leaves with spatial resolution from digital image. Gabriela B. Cordon and M. Gabriela Lagorio. *Proceedings of the International Color Association*, **2010**, 425-428 ISSN 0280-2198.

25. Implications of reflectance and fluorescence of *Rhododendron indicum* flowers in biosignaling. Analía Iriel and M. Gabriela Lagorio, *Photochem. Photobiol. Sci.*, **2010**, 9; 342-348. ISSN 1474-905x. <https://doi.org/10.1039/B9PP00104B>

24. Effect of phosphorus deficiency on reflectance and chlorophyll fluorescence of cotyledons of oilseed rape (*Brassica napus* L). Yaryura, P., Cordon, G., Leon, M., Kerber, N., Pucheu, N., Rubio, G., García, A., Lagorio, M. G., *Journal of Agronomy and Crop Science*, **2009**, 195, 186-196. ISSN 0931-2250. <https://doi.org/10.1111/j.1439-037X.2008.00359.x>

23.

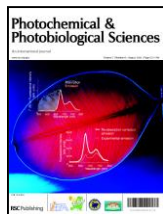


Biospectroscopy of *Rhododendron indicum* flowers. Non-destructive assessment of Anthocyanins in petals using a reflectance-based method. Analía Iriel and María Gabriela Lagorio, *Photochem. Photobiol. Sci.*, **2009**, 8, 337-344. <https://doi.org/10.1039/b814461c>

22. Optical properties of the adaxial and abaxial faces of leaves. Chlorophyll fluorescence, absorption and scattering coefficients, Gabriela B. Cordon and M. Gabriela Lagorio, *Photochem. Photobiol. Sci.*, **2007**, 6, 873-882. ISSN 1474-905x. <https://doi.org/10.1039/B617685B>

21. Absorption and scattering coefficients. A biophysical-chemistry experiment using reflectance spectroscopy, Gabriela B. Cordon and M. Gabriela Lagorio, *J. Chem. Educ.*, **2007**, 84, 1167-1170. <https://doi.org/10.1021/ed084p1167>

20.



Re-absorption of chlorophyll fluorescence in leaves revisited. A comparison of correction models, Gabriela B. Cordon and M. Gabriela Lagorio, *Photochem. Photobiol. Sci.*, 2006, 5, 735-740. <https://doi.org/10.1039/B517610G>

19. A model considering light reabsorption processes to correct in vivo chlorophyll fluorescence spectra in apples, M. Eva Ramos and M. Gabriela Lagorio, *Photochem. Photobiol. Sci.*, **2006**, 5, 508-512. <https://doi.org/10.1039/b514248b>

18. True fluorescence spectra of leaves, M. Eva Ramos and M. Gabriela Lagorio, *Photochem. Photobiol. Sci.*, **2004**, 3, 1063-1066. <https://doi.org/10.1039/b406525e>

17.



Why do Marbles become paler on grinding? Reflectance Spectroscopy, Color and particle size, M. Gabriela Lagorio. *J. Chem. Educ.*, **2004**, 81, 1607-1611. <https://doi.org/10.1021/ed081p1607>

16. Rose Bengal adsorbed on microgranular cellulose. Evidence of fluorescent dimers, Hernán B. Rodriguez, M. Gabriela Lagorio and Enrique San Román, *Photochem. Photobiol. Sci.*, **2004**, 3, 674-680. <https://doi.org/10.1039/b402484b>

15. Photophysics on surfaces: Determination of Absolute Fluorescence Quantum Yields from Reflectance Spectra, Martín Mirenda, M. Gabriela Lagorio and Enrique San Román, *Langmuir*, **2004**, 20, 3690-3697. <https://doi.org/10.1021/la035923x>

14. M. A. Grela, B. Loeb, G. Restrepo, M. G. Lagorio y E. San Román, Cap. 5 "Los mecanismos de destrucción de contaminantes orgánicos. Eliminación de Contaminantes por Fotólisis Heterogénea. Nueva edición editada por Miguel A. Blesa y Benigno Sanchez. Editorial Cimat. Madrid, **2004**.

13. The Kinetics of Dissolution Revisited by Paula S. Antonel, Pablo A. Hoijemberg, Leandro M. Maiente and M. Gabriela Lagorio, *J. Chem. Educ.*, **2003**, 80, 1042-1044. <https://doi.org/10.1021/ed080p1042>

12. How Does Light Scattering Affect Luminescence? M. Gabriela Lagorio and Enrique San Román, *J. Chem. Educ.*, **2002**, 79, 1362-1367. <https://doi.org/10.1021/ed079p1362>

11. Microcrystalline Cellulose as a Carrier for Hydrophobic Photosensitizers in Water, André Zeug, Joerg Zimmermann, Beate Roeder, M. Gabriela Lagorio and Enrique San Román, *Photochem. Photobiol. Sci.*, **2002**, 1, 198-203. <https://doi.org/10.1039/B109592G>

10. Photophysics of Supported Dyes: Phthalocyanine on Silanized Silica Analía Iriel, M. Gabriela Lagorio, Lelia E. Dicelio and Enrique San Román, *Phys. Chem. Chem. Phys.*, **2002**, 4, 224-231. <https://doi.org/10.1039/B108542P>

9. M. A. Grela, B. Loeb, G. Restrepo, M. G. Lagorio y E. San Román, Cap. 5 “Los mecanismos de destrucción de contaminantes orgánicos”, Eliminación de Contaminantes por Fotólisis Heterogénea. CYTED, ed. M. A. Blesa, 2001.

8. Photophysical Properties of Supported Dyes. Quantum Yield Calculations in Scattering Media. Sandra Amore, M. Gabriela Lagorio, Lelia E. Dicelio, and Enrique San Román, *Progress in Reaction Kinetics and Mechanism*, **2001**, 26, 159-177. <https://doi.org/10.3184/007967401103165235>

7. Photophysics on surfaces: Absorption and luminescence properties of Pheophorbide-a on cellulose. M. Gabriela Lagorio, Enrique San Román, André Zeug, Joerg Zimmermann and Beate Roeder, *Phys. Chem. Chem. Phys.*, **2001**, 3, 1524-1529. <https://doi.org/10.1039/B100077M>

6. Photophysical Properties and Partition Equilibrium of cationic porphyrins in liposomes, Nora G. Angeli, María G. Lagorio, Lelia E. Dicelio and Enrique San Román, *Photochemistry and Photobiology*, **2000**, 72, 1, 49-56. ISSN 0031-8655.

5. Electron Densities. Pictorial analogies for apparent ambiguities in probability calculations. M. Gabriela Lagorio, *J. Chem. Educ.*, **2000**, 77, 1444-1445. <https://doi.org/10.1021/ed077p1444>

Observación: Lectura recomendada por el prof. E. Besalú para Química Física (Facultat de Ciències. Universitat de Girona) en
http://iqc.udg.es/~emili/docent/qf/qf_lectures_recomanades.pdf.

4. Reflectance Spectroscopy using Wine Bottle Glass, M. Gabriela Lagorio. *J. Chem. Educ.*, **1999**, 76, 1551-1554. <https://doi.org/10.1021/ed076p1551>

3. Modeling of Fluorescence Quantum Yields of Supported dyes. Aluminum carboxyphthalocyanine on cellulose, M. G. Lagorio, L. E. Dicelio, M. I. Litter and E. San Román, *J. Chem. Soc., Faraday Trans.*, **1998**, 94, 3, 419-425. <https://doi.org/10.1039/A706113G>

2. Visible and near-IR spectroscopic and photochemical characterization of substituted metallophthalocyanines, M. Gabriela Lagorio, Lelia E. Dicelio, and Enrique San Román, *J. Photochem. Photobiol. A: Chem.*, **1993**, 72, 153-161. [https://doi.org/10.1016/1010-6030\(93\)85022-Z](https://doi.org/10.1016/1010-6030(93)85022-Z)

1. Quantum yield of Singlet Molecular Oxygen Sensitization by Cu(II)-Tetracarboxyphthalocyanine, M. Gabriela Lagorio, Lelia E. Dicelio, Enrique San Román, and Silvia E. Braslavsky, *J. Photochem. Photobiol. B: Biology*, **1989**, 615-624.
[https://doi.org/10.1016/1011-1344\(89\)80084-3](https://doi.org/10.1016/1011-1344(89)80084-3)