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Personal Summary

Bachelor's in Chemistry (1997) and Ph.D. in Physical Chemistry (2005) by the University of Brasília (Brazil). He was a postdoctoral researcher (2006) and visiting professor (2023) at the Sorbonne University (Faculté des Sciences et Ingénierie), Paris, France. He is currently Associate Professor at the University of Brasília, where he also served as coordinator of the Graduate Program in Materials Science from 2014-2018. He has been active in ferrofluids and magnetic nanoparticles for over 23 years and his recent research involves magnetic nanomaterials for environmental and energy applications.

Languages

Portuguese: ★★★★★

English: ★★★★★☆

French: ★★★★★☆

Spanish: ★★★★★☆

Academic Advisory

Master's Thesis: 14 (Graduate Programs in Materials Science and in Chemistry)

Ph.D Thesis: 3 (Graduate Programs in Chemistry and in Biological and Chemical Technologies)

Recent Projects (as coordinator)

2021 – today: FAP-DF (Call 04/2021) – Nanofabrication of Innovative Materials Aiming at Environmental Remediation and Sustainable Energy Generation

2017 – 2021: FAP-DF (Call 04/2017) – *Research and Development of Advanced Nanomaterials for Technological Applications: Nanocatalysts for Green Fuels Combustion and Magnetic Nanoadsorbents for Wastewater Treatment*

2016 – 2020: CNPq (Call Universal 2016) – *Elaboration of Magnetic Nanoadsorbents for Dye Removal from Textiles Wastewater*

2014 – 2017: FAP-DF (Call 05/2014) – *Synthesis, Characterization and Applications of Magnetic Nanoadsorbents for Water Pollution Remediation*

Recent Scientific Production (5 years)

Papers

1. Rodovalho, Fernanda Lopes ; Rosa, Eliane Vieira ; Da Silva, Atailson Oliveira ; Moya, Sergio Enrique ; **Campos, Alex Fabiano Cortez** ; Sousa, Marcelo Henrique . Enhancing the efficiency of magnetically driven carbon nitride-based nanocomposites with magnetic nanoflowers for the removal of methylene blue dye at neutral pH. *Environmental Science and Pollution Research*, v. 31, p. 1-12, 2024.
2. Paula, F.L.O. ; Castro, L.L. ; Cassiano, T.S.A. ; Dos Santos, S.G. ; Gomide, G. ; Depeyrot, J. ; **Campos, A.F.C.** . Colloids And Surfaces A-Physicochemical and Engineering Aspects, V. 658, P. 130578, 2023.
3. Da Silva, Atailson Oliveira ; **Campos, Alex Fabiano Cortez** ; Rodrigues, Marcelo Oliveira ; Sousa, Marcelo Henrique. *Surfaces And Interfaces*, V. 36, P. 102624, 2023.
4. Maciel, Ayessa P. ; Gomide, Guilherme ; Silva, Franciscarlos G. Da ; Guerra, Ana Alice A. M. ; Depeyrot, Jerome ; Mezzi, Alessio ; **Campos, Alex F. C.** . *Nanomaterials*, V. 13, P. 514, 2023.
5. Gomide, Guilherme ; Cabreira Gomes, Rafael ; Gomes Viana, Márcio ; **Cortez Campos, Alex Fabiano** ; Aquino, Renata ; López-Ortega, Alberto ; Perzynski, Régine ; Depeyrot, Jérôme. *Journal Of Physical Chemistry C*, V. 126, P. 1581-1589, 2022.
6. Chand, Mahesh ; Shankar, Ajay ; Annveer ; **Fabiano Cortez Campos, Alex** ; Prasad Pant, Rajender ; Depeyrot, Jerome . *Applied Surface Science*, V. 604, P. 154283, 2022.
7. Silva, Franciscarlos Gomes Da ; Vasilakaki, Marianna ; Cabreira Gomes, Rafael ; Aquino, Renata ; **Campos, Alex Fabiano Cortez** ; Dubois, Emmanuelle ; Perzynski, Régine ; Depeyrot, Jérôme ; Trohidou, Kalliopi . *Nanoscale Advances*, V. 4, P. 3777-3785, 2022.
8. Batalioto, F. ; Chand, M. ; **Campos, A. F. C.** ; Depeyrot, J. ; Barbero, G. ; Neto, A. M. Figueiredo . *Physical Chemistry Chemical Physics*, V. 24, P. 28506-28512, 2022.
9. Lisboa De Oliveira, Helena Augusta ; Gomide, Guilherme ; De Melo Vieira, Clauber Alex ; Andrade Meireles Guerra, Ana Alice ; Depeyrot, Jerome ; **Cortez Campos, Alex Fabiano**. *Environmental Technology*, V. 43, P. 1-35, 2022.
10. Batalioto, F. ; Barbero, G. ; **Campos, A. F. C.** ; Figueiredo Neto, A. M. *Physical Chemistry Chemical Physics*, V. 23, P. 2819-2824, 2021.

11. Da Silva, A. O.; Rodrigues, M. O.; Sousa, M. H.; **Campos, A. F. C.** Colloids and Surfaces A-Physicochemical and Engineering Aspects, V. 621, P. 126578, 2021.
12. Omelyanchik, A.; Da Silva, F. G.; Gomide, G.; Kozenkov, I.; Depeyrot, J.; Aquino, R.; **Campos, A. F. C.**; Fiorani, D.; Peddis, D.; Rodionova, V.; Jovanovi', S. Journal of Alloys and Compounds, V. 883, P. 160779, 2021.
13. Rosa, E. V.; Fascineli, M. L.; Da Silva, I. C.R.; Rodrigues, M. O.; Chaker, J. A.; Grisolia, C. K.; Moya, Se. E.; **Campos, A. F. C.**; Sousa, M. H. Environmental Nanotechnology, Monitoring & Management, V. 16, P. 100549, 2021.
14. **Campos, A. F. C.**; Reis, P. F.; Neiva, J. V. C. M.; Guerra, Ana A. A.M.; Kern, Cynara; Silva, M. F. P.; Silva, F. G.; Gomide, G.; Depeyrot, J. Materials Research-Ibero-American Journal Of Materials, V. 24, P. E20210217, 2021.
15. Moreira, A.F.L.; Paula, F.L.O.; **Campos, A. F. C.**; Depeyrot, J. Journal of Solid State Chemistry, V. 286, P. 121269, 2020.
16. Guerra, A. A. A. M; **Campos, A. F. C.** De Lima, R. M.; Kern, C.; Da Silva, F. Gomes; Gomide, G.; Depeyrot, J.; Amorim, A. K. B. Journal of Environmental Chemical Engineering, V. 8, P. 103888, 2020.
17. De Oliveira, H. A. L.; **Campos, A. F. C.**; Gomide, G.; Zhang, Y.; Ghoshal, S. Colloids and Surfaces A-Physicochemical and Engineering Aspects, V. 600, P. 125002, 2020.
18. Leão, T. P.; Neves, H. Vi.; **Campos, A. F. C.**; Pinheiro, T. D.; De Figueiredo, C. C. Colloids and Surfaces A-Physicochemical and Engineering Aspects, V. 603, P. 125214, 2020.
19. Da Silva, M. F. P.; Souza, E. J. P.; Junior, A. T. S.; Cavallari, M. R.; Paterno, L. G.; **Campos, A. F. C.**; Fonseca, F. J.; Bernardi, J. V. E.; Landers, R. Journal of Materials Science-Materials In Electronics, V. 31, P. 14443-14453, 2020.
20. Fiuza, T.; Gomide, G.; **Campos, A. F. C.**; Messina, F.; Depeyrot, Jerome. C Journal of Carbon Research, v. 5, p. 74-87, 2019.
21. Vieira, C. A. M.; Gomes, R. C.; Silva, F. G.; Dias, Argleydson Leão; Aquino, R.; **Campos, A. F. C.**; Depeyrot, J. JOURNAL OF PHYSICS-CONDENSED MATTER, v. 31, p. 175801, 2019.
22. Silva, F. G.; Depeyrot, J.; **Campos, A. F. C.**; Aquino, R.; Fiorani, D.; Peddis, D. JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, v. 19, p. 4888-4902, 2019.
23. **Campos, A. F. C.**; Silva, F. N; Almeida, M. R. B.; Sales, L. C. A.; Brito, P. H. M.; Oliveira, H. A. L. ORBITAL: THE ELECTRONIC JOURNAL OF CHEMISTRY, v. 11, p. 64-70, 2019.
24. **Campos, A. F. C.**; BRITO, P. H. M ; SILVA, F. G.; Gomes, R. C.; Gomide, G.; Depeyrot, J. JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, v. 7, p. 103031, 2019.
25. Gouvea, H. R; Paula, D. F.; Silva, T. A. P.; **Campos, A. F. C.**; Ito, M. K. ORBITAL: THE ELECTRONIC JOURNAL OF CHEMISTRY, v. 11, p. 168-177, 2019.

Patent

1. Fluorescent Magnetic Nanofluids and Their Elaboration Process – *Registration number*: BR1020200174 – INPI – National Institute of Industrial Property. (2020)

Software

1. MagLiq-PH. 2018. *Registration number*: BR512018000946-8 – INPI – National Institute of Industrial Property. (2018)