

Articole ISI

- **Katsina, A. U.**, Cursaru, D., Matei, D., & Mihai, S. (2023). Effect of Morphology Modification of BiFeO₃ on Photocatalytic Efficacy of P-g-C₃N₄/BiFeO₃ Composites. *International Journal of Molecular Sciences*, 25(9), 4948. <https://doi.org/10.3390/ijms25094948>. IF (5.6), Citescore (8.1).
- **Katsina, A. U.**, Mihai, S., Matei, D., Cursaru, D., Șomoghi, R., & Nistor, C. L. (2023). Construction of Pt@BiFeO₃ Xerogel-Supported O-g-C₃N₄ Heterojunction System for Enhanced Visible-Light Activity towards Photocatalytic Degradation of Rhodamine B. *Gels*, 9(6), 471. <https://doi.org/10.3390/gels9060471>. IF (4.432), Citescore (4.7).
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- **Usman, A. K.**, Cursaru, D., Brănoiu, G., Șomoghi, R., Manta, A., Matei, D., & Mihai, S. (2022). A Modified Sol–Gel Synthesis of Anatase {001}-TiO₂/Au Hybrid Nanocomposites for Enhanced Photodegradation of Organic Contaminants. *Gels*, 8(11), 728. <https://doi.org/10.3390/gels8110728>. IF (4.432), Citescore (4.7).

PARTICIPĂRI LA CONFERINȚE

- **Usman, A. K.**, Cursaru, D-L., Matei, D., & Mihai, S. Synergistic Heterojunction Formation of Urea-assisted and Urea-free Hydrothermally Synthesized BiFeO₃ with Phosphorous-Doped g-C₃N₄ for Enhanced Photodegradation of Rhodamine B. 7th International Ankara Multidisciplinary Studies Congress 5 – 6 March 2023, Ankara, Turkey.
- **Usman, A. K.**, Cursaru, D-L., Mihai, S., & Matei, D. Pt-BiFeO₃ -Embedded O-Doped g-C₃N₄: A Step-Scheme Heterostructured Photocatalyst with Superior Visible-Light Performance On Dye Mineralization. 5th International Colloquium Energy and Environmental Protection 9 – 10 November 2023, UPG Ploiesti, Romania.
- **Usman, A. K.**, Cursaru, D-L., Mihai, S., & Matei, D. Visible-Light-Driven Oxygen-and-Phosphorous Co-doped Polymeric g-C₃N₄ Composites for Degradation of RhB. 5th International Colloquium Energy and Environmental Protection 9 – 10 November 2023, UPG Ploiesti, Romania.
- **Usman, A. K.**, Mihai, S., Matei, D., & Cursaru, D-L. Construction of Pt@BiFeO₃/O-g-C₃N₄ Heterojunction for Efficient Rhodamine B. Photodegradation Driven by Visible Light. The 4th International Conference on Symmetry, 21 – 23 June, Symmetry-MDPI 2023, Barcelona, Spain (pp.36).

- Mihai, S., Cursaru, D-L., & **A. U. Katsina**. A modified sol-gel synthesis of anatase TiO₂-Au hybrid nanosheets along {001} orientation for enhanced photocatalytic degradation of ibuprofen. The 13th International Symposium of the Romanian Catalysis Society, 22 – 24 June, ROMCAT 2022, Baile Govora, Romania (pp.28 – 29).

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