

Prof. Dr. Amber Rehana Solangi

Publications

1. J. A. Buledi, P. A. Buledi, M. Batool, **Amber. R. Solangi**, A. Mallah, S. Ameen, I. M. Palabiyik, and H. K. Maleh, "Exploring electrocatalytic proficiencies of CuO nanostructure for simultaneous determination of bentazone and mexacarbate pesticides," *Applied Nanoscience*, pp. 1-14, 2021. **(IF 2.88)**
2. H. Bakhsh, J. A. Buledi, T. Ghumro, N. H. Khand, S. Ameen, **Amber. R. Solangi**, and S. T. H. Sherazi, "Sodium dodecyl sulfate stabilized NiO nanoseeds: a potential procedure for ultra-sensitive determination of bentazone in vegetables," *Journal of Materials Science: Materials in Electronics*, pp. 1-13, 2021. **(IF 2.19)**.
3. H. M. Junaid, **Amber. R. Solangi**, and M. Batool, "Carbon dots as naked eye sensors," *Analyst*, vol. 146, pp. 2463-2474, 2021. **(IF 3.978)**.
4. J. A. Buledi, **Amber. R. Solangi**, S. Q. Memon, S. I. Haider, S. Ameen, N. H. Khand, A. Bhatti, and N. Qambrani, "Nonenzymatic Electrochemical Detection of 2, 4, 6-Trichlorophenol Using CuO/Nafion/GCE: A Practical Sensor for Environmental Toxicants," *Langmuir*, vol. 37, pp. 3214-3222, 2021. **(IF 3.557)**.
5. J. A. Buledi, S. Ameen, S. A. Memon, A. Fatima, **Amber. R. Solangi**, A. Mallah, F. Karimi, S. Malakmohammadi, S. Agarwal, and V. K. Gupta, "An improved non-enzymatic electrochemical sensor amplified with CuO nanostructures for sensitive determination of uric acid," *Open Chemistry*, vol. 19, pp. 481-491, 2021.. **(IF 1.216)**.
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7. H. Bakhsh, J. A. Buledi, N. H. Khand, B. Junejo, **Amber. R. Solangi**, A. Mallah, and S. T. H. Sherazi, "NiO nanostructures based functional none-enzymatic electrochemical sensor for ultrasensitive determination of endosulfan in vegetables," *Journal of Food Measurement and Characterization*, pp. 1-10, 2021.. **(Accepted) (IF 1.648)**.
8. Nida Shams Jalbani, **Amber R Solangi**, Shahabuddin Memon, Ranjhan Junejo, Asif Ali Bhatti, Selective Removal of Hg²⁺ Ions from Water Using Calix[4]arene Modified Silica Resin: Equilibrium, Thermodynamics and Kinetic Modelling Studies', *J. Chem. Soc. Pak*, Volume 43, No. 04, August 2021. **(IF 0.3)**
9. N. H. Khand, I. M. Palabiyik, J. A. Buledi, S. Ameen, A. F. Memon, T. Ghumro, and **Amber. R. Solangi**, "Functional Co 3 O 4 nanostructure-based electrochemical sensor for direct determination of ascorbic acid in pharmaceutical samples," *Journal of Nanostructure in Chemistry*, pp. 1-14, 2021. **(IF 4.077)**.
10. J. A. Buledi, A. H. Pato, A. H. Kanhar, **Amber. R. Solangi**, M. Batool, S. Ameen, and I. M. Palabiyik, "Heterogeneous kinetics of CuO nanoflakes in simultaneous decolorization of Eosin Y and Rhodamine B in aqueous media," *Applied Nanoscience*, vol. 11, pp. 1241-1256, 2021). **(IF 2.88)**.

11. Sidra Amin, Aneela Tahira, **Amber R. Solangi**, Ayman Nafady, and Zafar Hussain Ibupoto, MoS_x-Co₃O₄ Nanocomposite for Selective Determination of Ascorbic Acid, *Journal of Nanoscience and Nanotechnology*, Vol. 21, 1–9, 2021. (IF 1.354).
12. Dilawar Hassan, Hadi Bakhsh, Asif M. Khurram, Shakeel A. Bhutto, Nida S. Jalbani, Tania Ghumro, **Amber R. Solangi***, Fluorescent nanotechnology: an evolution in optical sensors, A Review: *Current Analytical Chemistry* 2021. (IF 1.365)
13. Sagar Kumar, Jamil A. Buledi, Dadu Mal, **Amber R. Solangi***, Importance and Analytical Perspective of Green Synthetic Strategies of Copper, Zinc, and Titanium Oxide nanoparticles and their applications in Pathogens and Environmental Remediation, A Review: *Current Analytical Chemistry*, 2021, 17, 1-13. (IF 1.365)
14. Jamil A. Buledi, Zia-ul-Hassan Shah, Arfana Mallah, **Amber R. Solangi***, Current perspective and developments in electrochemical sensors modified with nanomaterials for environmental and pharmaceutical analysis, A Review: *Current Analytical Chemistry*, 2021, 17, 1-4. (IF 1.365)
15. Nida S. Jalbani, **Amber R. Solangi***, Muhammad Yar Khuhawar, Shahabuddin Memon, Ranjhan Junejo, And Ayaz Ali Memon, "Gas Chromatographic and Spectrophotometric Determination of Diclofenac Sodium, Ibuprofen, and Mefenamic Acid in Urine and Blood Samples" *Turk J Pharm Sci.* 2020 Oct; 17(5): 465–473. doi: 10.4274/tjps.galenos.2019.42243
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