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**APPENDIX: A**

**List of conferences**

- I. International conference on Chemical Bio & Environmental Engineering (CHEMBIOEN–2020) at NIT Jalandhar
- II. International conference on Nanotechnology for Better Living (NBL-2023) at NIT Srinagar

**APPENDIX: B**

**List of publications**

- 1) Priyadarshan, S., Gond, D. K., & Yadav, V. L. (2023). Metal doping in g-C<sub>3</sub>N<sub>4</sub> and tuning of band-gap for dye degradation using visible light. *Indian Journal of Chemical Technology (IJCT)*, 30(5), 689–692.
- 2) Priyadarshan, S. and Yadav, V. L. (2024). Synthesis of Iron-Enriched g-C<sub>3</sub>N<sub>4</sub>: A Superior Photocatalyst for Effective Degradation of Dyes Using Visible Light. *Rasayan J. Chem.*, 17(3), 782–789 (2024).
- 3) Vandna, Gond, D. K., Yadav, B. K., Priyadarshan, S., & Yadav, V. L. (2024). Characterization and Synthesis of Biocomposite Film with Coir and Polyvinyl Alcohol/Polyethylene Glycol.
- 4) Priyadarshan, S. and Yadav, V. L. (under review). Investigation of Adsorption Isotherm, Kinetics, and Reusability of Onion Peel for Dye Removal in Aqueous Environments.