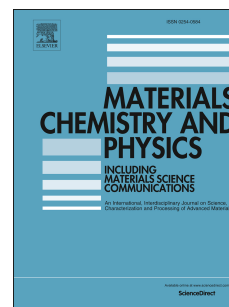


Accepted Manuscript

"Synergistic effect of nanosize and irradiation on epoxy/conducting poly(o-phenyldiamine) nanospheres composite coatings: Synthesis, characterization and corrosion protective performance"

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PII: S0254-0584(17)30826-X

DOI: [10.1016/j.matchemphys.2017.10.044](https://doi.org/10.1016/j.matchemphys.2017.10.044)

Reference: MAC 20083

To appear in: *Materials Chemistry and Physics*

Please cite this article as: Neha Kanwar Rawat, Jamia Millia Islamia, "Synergistic effect of nanosize and irradiation on epoxy/conducting poly(o-phenyldiamine) nanospheres composite coatings: Synthesis, characterization and corrosion protective performance", *Materials Chemistry and Physics* (2017), doi: 10.1016/j.matchemphys.2017.10.044

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Highlights

- ✓ Facile microwave (MW) synthesis of conducting poly(o-phenyldiamine) nanospheres
- ✓ MW synthesis was magnificently performed, following seven principles of “green chemistry”
- ✓ The potentiodynamic polarization studies were conducted in varying pH= 9, 11 and 14
- ✓ nanosize and irradiation influenced anticorrosive coatings performance
- ✓ their best performance confirmed our speculation how MW synthesis had profound impact

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