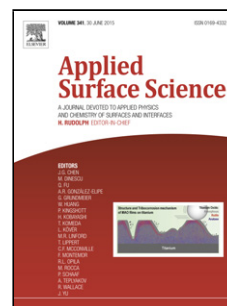


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**Phytic acid doped polyaniline containing epoxy coatings for corrosion protection
of Q235 carbon steel**

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The research highlights of this work are as follows:

- (1) PANI-PA can be synthesized in phytic acid solution directly
- (2) PANI-PA has a good thermostability.
- (3) 2 wt.% PANI-PA can obtain an a better inhibiting effect than other concentrations
- (4) Epoxy coating blended with PANI-PA particles possesses a self-healing function.

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