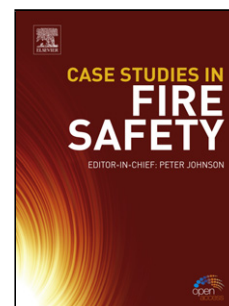


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INHIBITION OF COR-TEN STEEL CORROSION BY “GREEN” EXTRACTS OF *BRASSICA CAMPESTRIS*

Maria Pia Casaletto^{a,*}, Viviana Figà^a, Antonella Privitera^a, Maurizio Bruno^b, Assunta Napolitano^c, Sonia Piacente^c

^a*Istituto per lo Studio dei Materiali Nanostrutturati, Consiglio Nazionale delle Ricerche, via Ugo La Malfa n. 153, 90146 Palermo, Italy*

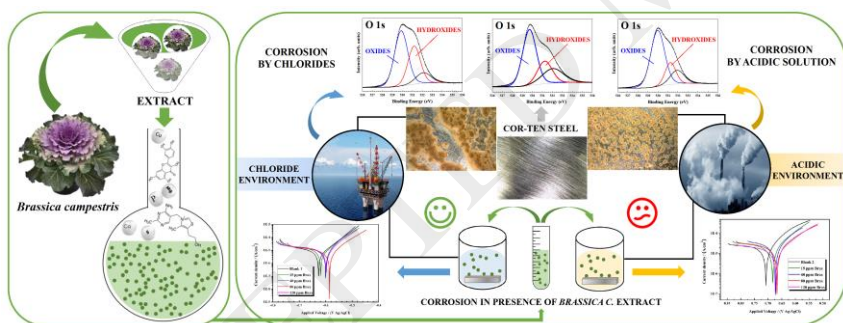
^b*Dipartimento di Scienze e Tecnologie Biologiche, Chimiche e Farmaceutiche, Università di Palermo, viale delle Scienze, Parco d'Orleans II, 90128 Palermo, Italy*

^c*Dipartimento di Farmacia, Università di Salerno, via Giovanni Paolo II n.132, 84084 Fisciano (Salerno), Italy*

*Corresponding Author:

Dr. Maria Pia Casaletto, Consiglio Nazionale delle Ricerche, Istituto per lo Studio dei Materiali Nanostrutturati, Via Ugo La Malfa 153, Palermo, Italy. Phone: +39 091 6809378. Fax: +39 091 6809399. E-mail address: mariapia.casaletto@cnr.it

Graphical abstract



HIGHLIGHTS

- The extract of *Brassica campestris* was tested as 'green' corrosion inhibitor for outdoor Cor-Ten steel by electrochemical and surface techniques.
- Chlorides solutions and acidic solutions were used as corrosive media for mimicking marine and urban polluted environments, respectively.
- *Brassica campestris* acts as an anodic inhibitor in chloride solutions with the best inhibition efficiency (IE =80-84%) for 80 ppm.
- In acidic solutions, a very weak inhibiting effect was found (IE ~ 35% for 120 ppm).

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