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### ***Curriculum scientifico***

Nato a Reggio Calabria, nel febbraio 1966 ha conseguito la laurea in Chimica presso l'Università degli studi di Messina. In atto è professore ordinario di chimica analitica (SSD CHIM/01).

I suoi primi lavori hanno riguardano la progettazione e la messa a punto di strumentazione elettroanalitica per il laboratorio e per lo studio ambientale. In tempi più recenti ha spostato il proprio interesse scientifico verso lo studio per via potenziometrica della termodinamica di formazione di specie complesse, con particolare riguardo alla definizione di sistemi utili alla speciazione di fluidi naturali e biologici. Ha anche pubblicato lavori riguardanti la decomposizione termica di specie insolubili ed il comportamento in cromatografia ionica di differenti classi di ammine. E' autore di circa 150 note pubblicate su qualificate riviste internazionali del settore, nonché di otto brevetti di invenzione industriale.

### ***Pubblicazioni ISI 1998/2007***

1. A. De Robertis and C. De Stefano. The Determination of Small Stability Constants by ISE-Cl Measurements. *Ann. Chim. (Rome)*, **88**, 103-110 (1998).
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4. S. Cascio, A. De Robertis, and C. Foti. Protonation of Diamines  $\text{H}_2\text{N}-(\text{CH}_2)_n-\text{NH}_2$  ( $n = 2$  to  $10$ ) in NaCl Aqueous Solution at Different Ionic Strengths. *J. Chem. Eng. Data*, **44**(4), 735-738 (1999).
5. R. Curini, A. De Robertis, C. Foti, S. Materazzi, and M.A. Orrù. Solubility and Thermal Stability of Some Amino-Mellitate Compounds. *Talanta*, **48**, 151-162 (1999).
6. A. De Robertis, C. De Stefano, and C. Foti. Medium effects on the protonation of carboxylic acids at different temperatures. *J. Chem. Eng. Data*, **44**, 262-270 (1999).
7. A. De Robertis, C. De Stefano, A. Gianguzza, and S. Sammartano. Binding of Polyanions by Biogenic Amines. III Formation and Stability of Protonated Spermidine and Spermine Complexes with Carboxylic Ligands. *Talanta*, **48**, 119-126 (1999).
8. A. De Robertis, C. De Stefano, O. Giuffrè, and S. Sammartano.  $\Delta G^0$  and  $T\Delta S^0$  - Charge Relationships for the Binding of Inorganic and Organic Anions by Open Chain Polyammonium Cations: a Short Review. *Ann. Chim. (Rome)*, **89**, 23-35 (1999).
9. S. Cascio, A. De Robertis, C. De Stefano, C. Foti, A. Gianguzza, and S. Sammartano. Stability-charge and stability-structure relationships in the binding of dicarboxylic ligands by open-chain polyammonium cations. *J. Chem. Eng. Data*, **45**(5), 717-723 (2000).
10. S. Cascio, A. De Robertis, C. De Stefano, and S. Sammartano. The effect of N-alkyl substitution on the binding of polycarboxylic anions by linear polyammonium cations. *J. Solution Chem.*, **29**(11), 1101-1114 (2000).
11. S. Cascio, A. De Robertis, and C. Foti. Protonation of polyamines in NaCl aqueous solution and binding of  $\text{Cl}^-$  by polyammonium cations. *Fluid Phase Equilibria*, **170**, 167-181 (2000).
12. A. De Robertis, C. De Stefano, C. Foti, A. Gianguzza, D. Piazzese, and S. Sammartano. Protonation constants and association of polycarboxylic ligands with the major components of seawater. *J. Chem. Eng. Data*, **45**(6), 996-1000 (2000).
13. F. Crea, A. De Robertis, and C. De Stefano. Modelling the separation of amines by high performance liquid chromatography. I - Linear diamines  $\text{NH}_2(\text{CH}_2)_n\text{NH}_2$  ( $n = 2-10$ ). *Analytica Chim. Acta*, **436**, 333-342 (2001).
14. F. Crea, A. De Robertis, C. De Stefano, S. Sammartano, A. Gianguzza, and D. Piazzese. Binding of acrylic and sulphonic polyanions by open-chain polyammonium cations. *Talanta*, **53**, 1241-1248 (2001).

15. A. De Robertis, C. De Stefano, C. Foti, O. Giuffrè, and S. Sammartano. Thermodynamic parameters for the binding of inorganic and organic anions by biogenic polyammonium cations. *Talanta*, **54**, 1135-1152 (2001).
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17. A. De Robertis, C. De Stefano, C. Foti, and S. Sammartano. Stability-charge and stability-structure relationships in the binding of tri- and tetracarboxylic ligands by open-chain polyammonium cations. *J. Chem. Eng. Data*, **46**, 1365-1370 (2001).
18. A. De Robertis, C. Foti, O. Giuffrè, and S. Sammartano. Dependence on ionic strength of polyamines protonation in NaCl aqueous solution. *J. Chem. Eng. Data*, **46**, 1425-1435 (2001).
19. A. De Robertis, C. De Stefano, and A. Pettignano. Thermodynamic parameters for the binding of polycarboxylic anions by fully methyl substituted linear polyammonium cations. *Ann. Chim. (Rome)*, **92**, 13-25 (2002).
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24. F. Crea, P. Crea, A. De Robertis, and S. Sammartano. Speciation of phytate ion in aqueous solution. Characterisation of Ca-phytate sparingly soluble species. *Chem. Spec. Bioavail.*, **16**(1/2), 53-60 (2004).
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28. F. Crea, A. De Robertis, and S. Sammartano. Chromatographic behaviour of open chain polyamines NH<sub>2</sub>(CH<sub>2</sub>)<sub>2</sub>-[NH-(CH<sub>2</sub>)<sub>2</sub>]<sub>n</sub>-NH<sub>2</sub> (n=0-4), and their determination by HPLC. *J. Chromatographic Science*, **43** (7), 342-347 (2005).
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