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Maria Elisa Crestoni si è laureata in Chimica e Tecnologia Farmaceutiche (con lode) nel 1986 all'Università di Roma "La Sapienza", dove ha conseguito il titolo di dottore di ricerca in Scienze Farmaceutiche nel 1991 lavorando con la guida del Prof. Fulvio Cacace. Ha svolto periodi di ricerca nel 1993 presso i laboratori del Prof. H.-F. Grützmacher dell'Università di Bielefeld (Germania) e nel 1997 presso i laboratori del Prof. J. R. Eyler dell'Università della Florida, Gainesville. E' stata invitata come visiting professor nel 2014 presso l'Ecole-Polytechnique, Palaiseau (France) e nel 2016 presso l'Université Paris-Sud, Orsay (France).

Ricercatore presso l'Università di Roma, è stata Professore Associato di Chimica Generale ed Inorganica dal 2001 al 2018 ed è Professore Ordinario dal 2018 ad oggi. E' stata partecipante e responsabile di vari progetti di ricerca italiani e finanziati dall'Unione Europea presso il CLIO (Centro Laser Infrarouge d'Orsay). E' responsabile dell'unità di Sapienza - Roma nell'ambito del progetto EU Horizon 2020 Programme (EU\_FT-ICR\_MS, grant number 731077).

I suoi interessi di ricerca sono focalizzati allo studio della reattività e struttura in fase gassosa di sistemi ionici di interesse (bio)inorganico mediante la spettrometria di massa (FT-ICR) e la spettroscopia vibrazionale (IRMPD).

M. Elisa Crestoni ha presentato relazioni in conferenze internazionali e presso università italiane e straniere (in USA, ed in Europa). E' autrice di oltre 170 pubblicazioni nelle principali riviste chimiche internazionali e svolge il compito di referee per diversi giornali.

Attività didattica:

-tiene il Corso di "Chimica Generale ed Inorganica" come incarico istituzionale per il corso di laurea in Farmacia, dall'a. a. 2006-2007 ad oggi.

-tiene il Corso di Chimica Bioinorganica come incarico istituzionale per il corso di laurea in Chimica e Tecnologia Farmaceutiche, dall'a. a. 2012-2013 ad oggi.

- ha tenuto presso la sede di appartenenza (Facoltà di Farmacia, Università "La Sapienza") i seguenti corsi:  
. Esercitazioni di Chimica Generale ed Inorganica (1991-1997).

.Corso di "Chimica Analitica" (semestrale integrato con Laboratorio di Generale ed Inorganica), supplenza per il corso di laurea in CTF, dall'a.a. 1996-97 al 2000-2001.

. Esercitazioni di Laboratorio (modulo del corso di Chimica Generale ed Inorganica), supplenza per il corso di laurea interfacoltà di Biotecnologie nell'a.a. 2000-2001.

. Corso di "Laboratorio di Generale ed Inorganica" (semestrale integrato con Chimica Analitica), supplenza per il corso di laurea in CTF, dall'a.a. 1998-99 al '99-2000.

. Corso di "Chimica Analitica e Laboratorio di Generale ed Inorganica" (corso annuale), come incarico istituzionale per il corso di laurea in CTF, dall'a.a. 2000-2001 al 2005-2006.

Inoltre ha tenuto per supplenza il Corso di "Chimica Generale ed Inorganica" per il corso di laurea in Farmacia presso l'Università di Chieti "G. D'Annunzio" negli a.a. 1995-96, 1996-97, 1997-98.

Tra gli incarichi accademici:

-è direttore del Master universitario di II livello in "Scienze e Tecnologie dei Radiofarmaci" dal 2012 ad oggi.

-è membro della Commissione Paritetica Docenti Studenti della Facoltà di Farmacia e Medicina.

## **Pubblicazioni 2011-2021**

-U. Dandamudi, M. E. Crestoni, S. Fornarini

Prevailing charge transfer in the reaction of protonated and neutral nitric oxide: A theoretical and experimental study  
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- D. Corinti, B. Chiavarino, M. Spano, A. Tintaru, S. Fornarini, M. E. Crestoni  
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