

Bice Fubini è professore Ordinario di Chimica Generale ed Inorganica presso la Facoltà di Farmacia dell'Università di Torino; Direttore del Centro Interdipartimentale "G. Scansetti" per lo Studio degli Amianti e di Altri Particolati Nocivi; membro del consiglio scientifico del centro NIS (Nanostructured Interfaces and Surfaces); membro del consiglio interfacoltà del corso di laurea in Tecniche della Prevenzione dell'Ambiente e nei Luoghi di Lavoro.

Insegna nei corsi di laurea di: Chimica e Tecnologia Farmaceutiche; Biotecnologie Industriali (Facoltà di scienze M.F.N.) e nel corso di Dottorato in Scienza e Alta Tecnologia (indirizzo in Scienze Bio-chimiche).

Formatasi come esperta di chimica dello stato solido e delle superfici, dall'inizio anni '80 si occupa dello studio delle basi chimiche della tossicità dei materiali inorganici, in particolare del ruolo della chimica di superficie nella patogenicità di fibre e polveri quali amianto, silice cristallina, sostituti dell'amianto, polveri atmosferiche e nanoparticelle.

Coordina vari progetti di ricerca multidisciplinari, tre cui due progetti pluriennali per la Regione Piemonte "Rischio Amianto nelle Alpi Occidentali" e "NANOSAFE", sul rischio associato alle nanotecnologie.

Ha pubblicato circa 200 lavori scientifici originali, 30 articoli di rassegna, che comprendono sia reviews su peer reviewed journals internazionali che capitoli di libri specialistici. Ha tenuto più di 25 conferenze plenarie o ad invito a convegni internazionali sulla tossicità del particolato in Francia, UK, Germania, USA, Canada, Giappone, Repubblica Sudafricana e Cina.

Ha fatto parte di "consensus workshops" presso Enti Internazionali dedicati alla definizione dei criteri per la patogenicità di polveri e fibre International Agency for Research on Cancer (IARC) Lyon: 1997, 2001, 2003, 2005, 2006, 2008, 2009; International Life Sciences Institute, Risk Assessment (ILSI), Washington DC, USA, 2003, 2004; European Center for the Validation of Alternative Methods JRC-ECVAM EU 1995, 1998; Institut de Recherches sur la Sécurité INRS, F 2005-2007; Environmental Protection Agency US-EPA 2001, 2003; Health Canada, 2007

Bice Fubini is full Professor of Chemistry in the Faculty of Pharmacy in the University of Torino, . She has developed studies on the chemical basis of the toxicity of solid materials, mainly inhaled particles, and is currently the Head of the Interdepartmental Center "G.Scansetti" for Studies on Asbestos and other Toxic Particulates, which coordinates research & formation activities carried out in a large spectrum of departments, from earth sciences to occupational medicine and epidemiology. She is also a member of the scientific council of the Interdepartmental Center for Nanostructured Interfaces and Surfaces (NIS).

Her early interests were on solid state and surface chemistry which she studied both in Torino and, at the University of Bath (UK) as a postdoc. Back in the University of Torino she developed calorimetric and spectroscopic techniques for surface reactivity. She then set up a new approach to the field of particle toxicology by applying to the surface of the particles the analysis employed for the characterization of catalysts.

From the eighties onwards her research activity mainly concerned the chemical basis of the toxicity of inorganic materials, focussing on the role of surface chemistry in the toxicity of fibres and particles like asbestos, crystalline silica, asbestos substitutes, atmospheric dusts and nanoparticles.

She coordinates various multidisciplinary research projects (e.g. "Localisation, identification, potential hazard and possible inactivation routes of asbestos and asbestiform minerals in the Italy Western Alps" and "NANOSAFE: Nanoparticles: from their impact on the environment and human health to safer production and usage").

She authored a large number – more than 220 - of original scientific papers, review articles and book chapters, most of which devoted to the relationship between physico-chemical properties and toxicity of particles and fibres. She has been in the scientific committees and/or delivered lectures at various international meetings on particle toxicology, and more recently "nanotoxicology". She

took part to various consensus workshops and served in various working groups for the assessment of fiber and particle toxicity: IARC (International Agency for Research on Cancer) 1997, 2001, 2003, 2005, 2006, 2008, 2009); International Life Sciences Institute, Risk Assessment (ILSI), Washington DC, USA, 2003, 2004; European Center for the Validation of Alternative Methods JRC-ECVAM EU 1995, 1998; Institut de Recherches sur la Sécurité INRS, F 2005-2007; Environmental Protection Agency US-EPA 2001, 2003; Health Canada, 2007.