

# Curriculum Vitae (CV) of Elena BELLUSO

Personal details			
<b>Title (optional)</b>	Prof.		
<b>First Name</b>	Elena		
<b>Second Name</b>			
<b>Family Name</b>	Belluso		
<b>Affiliation</b>	Department of Earth Sciences (DES), University of Torino, Italy		
<b>Present position</b>	Full professor		
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<b>Research identifier</b>	0000-0002-9046-3281		

Most recent/relevant significant qualifications, and/or recognition or merit-based roles, awards, and memberships	
1.	<b>2022- to now</b> , Elected President of the National Group Georesources, Environment and Cultural Heritage (GABeC)
2.	<b>2021- to now</b> , Elected corresponding member of the Academy of Sciences of Torino (I) for Environmental Sciences, Class of Physical, Mathematical and Natural Sciences.
3.	<b>2016-to now</b> , Nominated Expert of the University of Torino (UNITO) for asbestos and other harmful particulates
4.	<b>2015-to now</b> , Elected Director of the “Giovanni Scansetti” Interdepartmental Centre for Studies on Asbestos and Other Toxic Particulates, University of Torino (I)

Most recent/relevant professional positions and/or community roles held	
1.	<b>2022-to now</b> , nominated Member of the Evaluation Commission of the Luigi Vanvitelli University of Campania (I)
	<b>2022-to now</b> , Editorial Board Member of the Journal “Toxics”
2.	<b>2016-to now</b> , Associate Editor of the “European Journal of Mineralogy” (EJM)
3.	<b>2015-to now</b> , nominated Scientific Manager of the agreement between the DES and the UNITO for analytical activities in the context of the detection and evaluation of the presence of asbestos, man-made vitreous fibers and other inorganic particulates.
4.	<b>2014-to now</b> , nominated Expert of Italian National Agency for the Evaluation or Research and Teaching Quality of Universities (ANVUR), Italian Ministry of University and Research
5.	<b>2003-to now</b> , nominated Scientific Manager of the DES asbestos analysis laboratory certified by the Italian Ministry of Health for asbestos analysis using scanning electron microscopy (SEM- EDS) and X-ray powder diffractometry (XRPD)

7.	<b>1999-to now</b> , nominated Scientific responsible of the University of Torino (I) projects and funds on the presence and diffusion of asbestos, asbestiform minerals, artificial inorganic fibres, mineral dust, inorganic silica particles present in air, water, rocks, soil, artefacts, human and biological tissues and fluids animals.
6.	<b>1999-2023</b> , nominated Scientific responsible of the Transmission Electron Microscopy (TEM) laboratory at DES, Torino (I)

<b>Most recent/relevant areas of expertise</b>	
1.	Characterization and quantification by Transmission and Scanning Electron Microscopy with annexed Energy Dispersive Spectrometry(TEM-EDS, SEM-EDS) of minerals and inorganic particles present in air, rocks, human and animal biological tissues and human fluids for medical diagnosis, environmental pollution evaluation (dispersion from lithologies, soils, and/or industrial materials) and forensic investigation in collaboration with medical and veterinarian researchers and biologists;
2.	Crystal chemical and structural characterization by analytical methods (X-ray powder Diffractometry XRPD, TEM-EDS, SEM-EDS, micro-Raman etc.) of natural and synthetic silicates, fibrous minerals, both pristine and differently treated (Fe-doped, Ni-doped, in vitro cell culture) samples of regulated and non-regulated mineral fibres (as asbestiform fluorendenite, asbestiform sepiolite etc.)

<b>Most recent/relevant publications (last ten years)</b>	
(1)	VISONÀ S.D., UNTALAN M., BERTOGLIO B., CAPELLA S., BELLUSO E., BILLÒ M., IVIC-PAVLICIC T., TAIOLI E. (2025) Asbestos burden in lungs of subjects deceased from mesothelioma who lived in proximity to an asbestos factory: a topographic post-mortem SEM-EDS study. <i>American Journal of Industrial Medicine</i> , 68, 112-121, <a href="https://dx.doi.org/10.1002/ajim.23680">https://dx.doi.org/10.1002/ajim.23680</a>
(2)	KURZHUNBAEVA Z., DZHUSUPOV K., SPINAZZÈ A., VISONÀ S. D., SULAIMANOVA C., KASYMOV O., BELLUSO E., COLOSIO C. (2024) Human Exposure to Asbestos in Central Asian Countries and Health Effects: A Narrative Review. <i>La Medicina del Lavoro</i> , 115 (6), 1-15, <a href="https://dx.doi.org/10.23749/mdl.v115i6.15453">https://dx.doi.org/10.23749/mdl.v115i6.15453</a>
(3)	ROMOLO A., COSTA G., SICA B., MEMOLI G., CAPELLA S., BELLUSO E., BULLONE M. (2024) Exposure to respirable silica contributes to lower airway inflammation in asthmatic horses. <i>Journal of Veterinary Internal Medicine</i> , 38(6), 3315-3326, doi: 10.1111/jvim.17160. Epub 2024 Oct 17.
(4)	VISONÀ S.D., BERTOGLIO B., CAPELLA S., BELLUSO E., AUSTONI B., COLOSIO C., KURZHUNBAEVA Z., IVIC-PAVLICIC T., TAIOLI E. (2024) Asbestos burden in lungs of mesothelioma patients with pleural plaques, lung fibrosis and/or ferruginous bodies at histology: a postmortem SEM-EDS study. <i>Carcinogenesis</i> , 45, 131-139, <a href="https://dx.doi.org/10.1093/carcin/bgad090">https://dx.doi.org/10.1093/carcin/bgad090</a>
(5)	VISONÀ S. D., BERTOGLIO B., FAVARON C., CAPELLA S., BELLUSO E., BORTOLOTTO C., MARROCCO, A., COLOSIO C. (2024) Evaluation of Asbestos Exposure. In: “Asbestos Risk Assessment, Epidemiology, and Health Effects”, 3rd Edition, Edited By Michele Carbone, Ronald Dodson, Harvey Pass, Haining Yang, CRC Press, Taylor & Francis Group, 126-170, DOI: 10.1201/9781003431909-4
(6)	CARBONIN S., BELLUSO E., NODARI L., RIDOLFI F., CAPELLA S., LIZIERO F., RENZULLI A. (2024) Mineral and crystal chemical study of pseudo-C2/m non-metamict chevkinite-(Ce): an investigation into the intracrystalline distribution of LREE, HREE, and octahedral cations in samples from the Azores and Pakistan. <i>American Mineralogist</i> , 1-70, ISSN: 0003-004X, doi: 10.2138/am-2022-8658
(7)	BERRY T. A., WALLIS S. L., DOYLE E., DE LANGE P. J., STEINHORN G., VIGLIATURO R., BELLUSO E., BLANCHON D. J. (2024) A Preliminary Investigation into the Degradation of Asbestos Fibres in Soils, Rocks and Building Materials Associated with Naturally Occurring Biofilms. <i>Minerals</i> , 14, 1-15, <a href="https://dx.doi.org/10.3390/min14010106">https://dx.doi.org/10.3390/min14010106</a>
(8)	VISONÀ S. D., CAPELLA S.; BORRELLI P., VILLANI S., FAVARON C., KURZHUNBAEVA Z., COLOSIO C., BELLUSO E. (2023) Asbestos burden in lungs of non-occupationally exposed women from Broni (Pavia, Italy): a postmortem SEM-EDS study. <i>Journal of Thoracic Disease</i> , 15, 6555-6569, <a href="https://dx.doi.org/10.21037/jtd-23-1061">https://dx.doi.org/10.21037/jtd-23-1061</a>
(9)	MAGHERINI L., AVATANE C., CAPELLA S., LASAGNA M., BIANCO C., BELLUSO E., DE LUCA D.A., SETHI R. (2023) Mobility of crocidolite asbestos in sandy porous media mimicking aquifer systems. <i>Journal of Hazardous Materials</i> , 458, 1-10, <a href="https://dx.doi.org/10.1016/j.jhazmat.2023.131998">https://dx.doi.org/10.1016/j.jhazmat.2023.131998</a>
(10)	VISONÀ S. D., BERTOGLIO B., FAVARON C., CAPELLA S., BELLUSO E., COLOSIO C., VILLANI S., IVIC-PAVLICIC T., TAIOLI E. (2023) A postmortem case control study of asbestos burden in lungs of malignant mesothelioma cases. <i>Journal of Translational Medicine</i> , 21, 875-884, <a href="https://dx.doi.org/10.1186/s12967-023-04761-9">https://dx.doi.org/10.1186/s12967-023-04761-9</a>
(11)	PETRIGLIERI J. R., BARALE L., VITI C., BALLIRANO P., BELLUSO E., BRUNO M. R., CAMPOPIANO A., CANNIZZARO, A., FANTAUZZI M., GIANCHIGLIA F., MONTEREALI M R, NARDI E., OLORI A., PIANA F., TOMATIS M., ROSSI A., SKOGBY H., PACELLA A., TURCI F. (2023). From field analysis to nanostructural investigation: A multidisciplinary approach to describe natural occurrence of asbestos in view of

	hazard assessment. <i>Journal of Hazardous Materials</i> , 457, 131754-131770, ISSN: 0304-3894, doi: 10.1016/j.jhazmat.2023.131754
(12)	ARDIT M., BARONI T., CAPACCI F., ARCANGELI G., ROMANELLI M., ZOLEO A., CAPELLA S., BELLUSO E., GABELLINI P., CIONI R., DI BENEDETTO F. (2023) Possible hazardous components in dental alginates: Physicochemical properties by a mineralogical and spectroscopic investigation. <i>Hygiene and Environmental Health Advances</i> , 8, 1-10, <a href="https://dx.doi.org/10.1016/j.heha.2023.100083">https://dx.doi.org/10.1016/j.heha.2023.100083</a>
(13)	AVATANEO C., CAPELLA S., LUISO M., MARANGONI G., LASAGNA M., DE LUCA D. A., BERGAMINI M., BELLUSO E., TURCI F. (2023) Waterborne asbestos: Good practices for surface waters analyses. <i>Frontiers in Chemistry</i> , 11:1104569, doi: 10.3389/fchem.2023.1104569
(14)	VISONÀ S. D., CRESPI E., BELLUSO E., CAPELLA S., DE MATTEIS S., FILIPPI F., LAI M., LOSCERBO R., MELONI F., PILIA I., COCCO P., COLOSIO C. (2022) Reconstructing historical exposure to asbestos: the validation of 'educated guesses'. <i>Occupational Medicine</i> , 72(8), 534-540
(15)	AVATANEO C., PETRIGLIERI J. R., CAPELLA S., TOMATIS M., LUISO M., MARANGONI G., LAZZARI E., TINAZZI S., LASAGNA M., DE LUCA D. A., BERGAMINI M., BELLUSO E., TURCI F. (2022) Chrysotile asbestos migration in air from contaminated water: An experimental simulation. <i>Journal of Hazardous Materials</i> , 424 (part C), 1-11; <a href="https://dx.doi.org/10.1016/j.jhazmat.2021.127528">https://dx.doi.org/10.1016/j.jhazmat.2021.127528</a>
(16)	BERRY T., BELLUSO E., VIGLIATURO R., GIERÉ R., EMMETT E.A., TESTA J.R., STEINHORN G., WALLIS S.L. (2022) Asbestos and other hazardous fibrous minerals: potential exposure pathways and associated health risks. <i>International Journal of Environmental Research and Public Health</i> , 19(7), 4031; <a href="https://doi.org/10.3390/ijerph19074031">https://doi.org/10.3390/ijerph19074031</a>
(17)	DI BENEDETTO F., BARDELLI F., BELLUSO E., BUCCIANTI A., CAPACCI F., CAPELLA S., CIUFFI B., D'ACAPITO F., GIACCHERINI A., LA BELLA M., LEPORE G. O., MONTEGROSSI G., MORETTI M., OSCULATI A., PARDI L., POLI C., ROMANELLI M., VISONA S., ZOLEO A., ARCANGELI G. (2021) A study of radicals in industrial raw cristobalite powders. <i>Physics and Chemistry of Minerals</i> , 48(9), 1-9
(18)	AVATANEO C., BELLUSO E., CAPELLA S., COCCA D., LASAGNA M., PIGOZZI G., DE LUCA D. A. (2021) Groundwater asbestos pollution from naturally occurring asbestos (NOA): a preliminary study on the Lanzo Valleys and Balangero plain area, NW Italy. <i>Italian Journal of Engineering Geology and Environment</i> , 1 (2021) © Sapienza Università Editrice, 5-19, DOI: 10.4408/IJEGE.2021-01.S-01
(19)	VISONÀ S. D., CAPELLA S., BODINI S., BORRELLI P., VILLANI S., CRESPI E., COLOSIO C., PREVIDERÈ C., BELLUSO E. (2021) Evaluation of deposition and clearance of asbestos (detected by SEM-EDS) in lungs of deceased subjects environmentally and/or occupationally exposed in Broni (Pavia, Northern Italy). <i>Frontiers in Public Health</i> 9:678040, doi: 10.3389/fpubh.2021.678040
(20)	VISONÀ S. D., CAPELLA S., BODINI S., BORRELLI P., VILLANI S., CRESPI E., FRONTINI A., COLOSIO C., VIGLIATURO R., BELLUSO E. (2021) Reply to Mirabelli, D. et al.'s Comment on "Visonà et al. Inorganic Fiber Lung Burden in Subjects with Occupational and/or Anthropogenic Environmental Asbestos Exposure in Broni (Pavia, Northern Italy): A SEM-EDS Study on Autoptic Samples. <i>International Journal of Environmental Research and Public Health</i> , 18, 7181. <a href="https://doi.org/10.3390/ijerph18137181">https://doi.org/10.3390/ijerph18137181</a>
(21)	BARDELLI F., BRUN F., DE PANFILIS S., CLOETENS P., CAPELLA S., BELLUSO E., BELLIS D., DI NAPOLI A., CEDOLA A. (2021) Chemo-physical properties of asbestos bodies in human lung tissues studied at the nano-scale by non-invasive, label free x-ray imaging and spectroscopic techniques. <i>Toxicology Letters</i> , 348, 15 September 2021, 18-27, <a href="https://doi.org/10.1016/j.toxlet.2021.05.002">https://doi.org/10.1016/j.toxlet.2021.05.002</a>
(22)	BARDELLI F., BRUN F., CAPELLA S., BELLIS D., CIPPITELLI C., CEDOLA A., BELLUSO E. (2021) Asbestos bodies count and morphometry in bulk lung tissue samples by non-invasive X-ray micro-tomography. <i>Scientific Reports</i> (2021) 11:10608, <a href="https://doi.org/10.1038/s41598-021-90057-1">https://doi.org/10.1038/s41598-021-90057-1</a>
(23)	VISONÀ S.D., CAPELLA S., BODINI S., BORRELLI P., VILLANI S., CRESPI E., FRONTINI A., COLOSIO C., BELLUSO E. (2021) Inorganic Fiber Lung Burden in Subjects with Occupational and/or Anthropogenic Environmental Asbestos Exposure in Broni (Pavia, Northern Italy): A SEM-EDS Study on Autoptic samples. <i>International Journal of Environmental Research and Public Health</i> 2021, 18, 2053. <a href="https://doi.org/10.3390/ijerph18042053">https://doi.org/10.3390/ijerph18042053</a> <a href="https://doi.org/10.3390/ijerph18042053">https://doi.org/10.3390/ijerph18042053</a>
(24)	INGRAVALLE F., CEBALLOS L. A., D'ERRICO V., MIRABELLI D., CAPELLA S., BELLUSO E., PEZZOLATO M., BOZZETTA E., DONDO A., DI BLASIO A., MEISTRO S., VIZIO C., FRACCARO E., ARDIZZONE M., SEGHESSIO A., RU G. (2020) - Wild rats as urban detectives for latent sources of asbestos contamination. <i>Science of the Total Environment</i> , 2020, <a href="https://doi.org/10.1016/j.scitotenv.2020.138925">https://doi.org/10.1016/j.scitotenv.2020.138925</a>
(25)	CAPELLA S., BELLIS D., FIORETTI E., MARINELLI R., BELLUSO E. (2020) - Respirable inorganic fibers dispersed in air and settled in human lung samples: Assessment of their nature, source, and concentration in a NW Italy large city. <i>Environmental Pollution</i> , 263, part B, 14384, <a href="https://doi.org/10.1016/j.envpol.2020.114384">https://doi.org/10.1016/j.envpol.2020.114384</a>
(26)	BELLUSO E., BARONNET A., CAPELLA S. (2020) - Naturally Occurring Asbestiform Minerals in Italian Western Alps and in Other Italian Sites. <i>Environmental and Engineering Geoscience</i> , 25, 1-8, <a href="https://doi.org/10.2113/EEG-2276">https://doi.org/10.2113/EEG-2276</a>
(27)	DI BENEDETTO F., BARDELLI F., BELLUSO E., BUCCIANTI A., CAPACCI F., CAPELLA S., CIUFFI B., D'ACAPITO F., GIACCHERINI A., LA BELLA M., LEPORE G. O., MONTEGROSSI G., MORETTI M., OSCULATI A., PARDI L., POLI C., ROMANELLI M., VISONA S., ZOLEO A., ARCANGELI G. (2019) - Indagini mineralogiche e spettroscopiche sulla SLC: pietra sintetica e caratterizzazione <i>ex vivo</i> . In "Esposizione ambientale e occupazionale a silice libera cristallina", Pime Editrice, Pavia, 55-66
(28)	COLOMBINO E., CAPELLA S., CASALINUOVO F., RACCO R., PRUITI F., VOLANTE M., DI MARCO LO PRESTI V., BELLUSO E., CAPUCCHIO M. T. (2019) - Malignant peritoneal mesothelioma in a boar lived in Calabria (Italy): wild animal as sentinel system of human health. <i>Science of the Total Environment</i> , 683, 267-274, <a href="https://doi.org/10.1016/j.scitotenv.2019.05.254">https://doi.org/10.1016/j.scitotenv.2019.05.254</a> (Amsterdam, Netherlands)
(29)	CAVARIANI F., BELLUSO E., SALA O. (2018) - Possibile presenza di amianti e minerali asbestiformi in miniere e cave attive. In: AMIANTO, un fantasma del passato o una storia infinita? Minoia C. e Comba P. editori, New Press Edizioni, Cermenate (CO), Tomo II, 351-361. ISBN 9788893560382,

(30)	MARUCCO A., FENOGLIO I., BERGAMASCHI E., MAINA G., PIRA E., FILIPPI F., GULLO M., BELLUSO E. (2018) - Safe Nano - Sicurezza nano materiali. <i>Prevenzione in Corso</i> , 4, 11-20
(31)	BARACCHINI E., BIANCO C., CROSERÀ M., LARESE FILON F., BELLUSO E., CAPELLA S., MAINA G., ADAMI G. (2018) - Nano- and Submicron Particles Emission during Gas Tungsten Arc Welding. (GTAW) of Steel: Differences between Automatic and Manual Process. <i>Aerosol and Air Quality Research</i> , 18, 579–589.
(32)	CROCE A., CAPELLA S., BELLUSO E., GROSSO F., MARIANI N., LIBENER R., RINAUDO C. (2018) - Asbestos fibre burden in gallbladder: A case study. <i>Micron</i> , 105, 98–104
(33)	PUNTURO R., BLOISE A., BELLUSO E., VACCARO C. (2018). <i>Journal of Mediterranean Earth Sciences</i> , vol. X, part 1. Guest Editors in: <i>Journal of Mediterranean Earth Sciences</i> , vol. X. p. 1-106, ROMA :Edizioni Nuova Cultura
(34)	BELLUSO E. (2017) - Amianti (asbesti): caratteristiche mineralogiche e tecniche di indagine. In: Rischio amianto in Italia: da minerale pregiato a minaccia per la salute e per l'ambiente. <i>Geologia dell'Ambiente</i> . Supplemento al n. 4/2017, ISSN 1591-5352, 12-18
(35)	CAPELLA S., BELLUSO E., GANDOLFI N.B., TIBALDI E., MANDRIOLI D., BELPOGGI F. (2017) - <a href="#">In vivo biological activity of mineral fibres</a> . In: Mineral fibres: crystal chemistry, chemical-physical properties, biological interaction and toxicity. Gualtieri A.F. (editor), <i>European Mineralogical Union Notes in Mineralogy</i> , 18, 307-345
(36)	BELLUSO E., CAVALLO A., HALTERMAN D. (2017) - Crystal habit of mineral fibres. In: Mineral fibres: crystal chemistry, chemical-physical properties, biological interaction and toxicity. Gualtieri A.F. (editor), <i>European Mineralogical Union Notes in Mineralogy</i> , 18, 65-109, DOI:10.1180/EMU-notes.18.3 (London, England)
(37)	BARDELLI F., VERONESI G., CAPELLA S., BELLIS D., CHARLET L., CEDOLA A., BELLUSO E. (2017) - New insights on the biomineralisation process developing in human lungs around inhaled asbestos fibres. <i>Scientific Reports</i> , 7, 1-11, <a href="https://doi.org/10.1038/srep44862">https://doi.org/10.1038/srep44862</a> (London, England)
(38)	Alessi, Mariano, Ascoli, Valeria, Bellis, Donata, BELLUSO, Elena, Broilo, Alessandro, Bruni, Biagio Maria, Campopiano, Antonella, Cavariani, Fulvio, Garofani, Patrizia, Orietta, Sala, Scancarello, Giuseppina, Silvestri, Stefano, Somigliana, Anna (2017). Corpuscoli dell'asbesto nel tessuto polmonare umano e liquidi biologici: metodo analitico e atlante fotografico. In: RAPPORTI ISTISAN. RAPPORTI ISTISAN, vol. 17/12, p. 1-58, ROMA:Istituto Superiore di Sanità, ISSN: 2384-8936
(39)	CAPELLA S., FORNERO E., BELLIS D., BELLUSO E. (2017) - Analysis of respired amphibole fibers (asbestos and non-asbestos classified): discrimination between natural and anthropogenic sources using sentinel animals. <i>Air Quality, Atmosphere &amp; Health</i> , 10(5), 533-542, DOI: 10.1007/s11869-016-0448-6
(40)	BLOISE A., BARCA D., GUALTIERI A.F., POLLASTRI S., BELLUSO E. (2016) - Trace elements in hazardous mineral fibres. <i>Environmental Pollution</i> , 216, 314-323, <a href="https://doi.org/10.1016/j.envpol.2016.06.007">https://doi.org/10.1016/j.envpol.2016.06.007</a> (Oxford, England)
(41)	VIGLIATURO R., CAPELLA S., RINAUDO C., BELLUSO E. (2016) - “Rinse and trickle”: a protocol for TEM preparation and investigation of inorganic fibers from biological material. <i>Inhalation Toxicology</i> , 28(8), 357–363, <a href="https://doi.org/10.1080/08958378.2016.1175527">https://doi.org/10.1080/08958378.2016.1175527</a> (Philadelphia, Usa)
(42)	CAPELLA S., BELLIS D., BELLUSO E. (2016) - Diagnosis of asbestos-related diseases: the mineralogist and pathologist's role in medico-legal. <i>American Journal of Forensic Medicine and Pathology</i> , 37, 24-28; DOI: 10.1097/PAF.0000000000000206
(43)	ZAINA S., MASTRANGELO G., BALLARIN M.N., SCOZZATO L., CARRADORI G., FEDELI U., CAPELLA S., BELLUSO E. (2016) - Urinary asbestos fibers and inorganic particles in past asbestos workers. <i>Archives of Environmental &amp; Occupational Health</i> , 71 (3), 129–135, DOI: 10.1080/19338244.2014.98867
(44)	BLOISE A., CATALANO M., BARRESE E., GUALTIERI A. F., BURSÌ GANDOLFI N., CAPELLA S., BELLUSO E. (2016) - TG/DSC study of the thermal behaviour of hazardous mineral fibres. <i>Journal of Thermal Analysis and Calorimetry</i> , 123, 2225-2239, DOI: 10.1007/s10973-015-4939-81-15
(45)	VIANI A., PALERMO A., ZANARDI S., DEMITRI N., PETRÍČEK V., VARINI F., BELLUSO E., STÅHL K., GUALTIERI A.F. (2015) - Crystal structure and stability of BaTiSi <sub>2</sub> O <sub>7</sub> . <i>Acta Crystallographica Section B</i> , research papers, 71, 153–163, <a href="http://dx.doi.org/10.1107/S2052520615002942">http://dx.doi.org/10.1107/S2052520615002942</a>
(46)	ROLFO F., BENNA P., CADOPPI P., CASTELLI D., FAVERO-LONGO S.E., GIARDINO M., BALESTRO G., BELLUSO E., BORGHI A., CÁMARA F., COMPAGNONI R., FERRANDO S., FESTA A., FORNO M.G., GIACOMETTI F., GIANOTTI F., GROppo C., LOMBARDO B., MOSCA P., PERRONE G., PIERVITTORI R., REBAY G., ROSSETTI P. (2015) - The Monviso Massif and the Cottian Alps as symbols of the Alpine chain and geological heritage in Piemonte, Italy. <i>GEOHERITAGE</i> , 7, 65-84, ISSN: 1867-2477, doi: <a href="https://doi.org/10.1007/s12371-014-0097-9">10.1007/s12371-014-0097-9</a>

<b>Total years of relevant experience</b>	Total years
Please provide your answer here	42

<b>Contribution to broader societal engagement and/or knowledge exchange</b>
<ul style="list-style-type: none"> <li>• Organization and fulfilment of the annual activity “Minerals and the 5 senses” as part of “The laboratory of the Earth” for the dissemination of scientific knowledge to citizens (European Researchers’ Night, Torino-I); editions 2023, 2022, and previous</li> <li>• Organization and fulfilment of the annual activity “Minerals and the 5 senses” as part of the “Girls and Children. A day at the University” for the dissemination of scientific knowledge to young people; editions 2024, 2023, 2022 and previous, Torino (I)</li> </ul>

- Scientific knowledge dissemination through interview in the television programme titled “Mi Manda RAI 3” (“RAI 3 sends me”) on the possible presence of asbestos in industrial products containing talc
- Consultation to Italian and USA policy maker for the topic of possible presence of asbestos in cosmetics containing talc
- Consultation to Italian policy maker (Ministry of Enterprises and Made in Italy) for supplying of critical raw materials in Italy and Europe to become independent from the foreign market
- Organization and fulfilment of National Day (Roma-I, December 2024 and 2023) on the supply of critical raw materials in Italy and Europe to become independent from the foreign market
- Consultant for local policy maker (University of Torino, I) for the design and fulfilment of an interactive Museum of Asbestos and Other Toxic Particulate for knowledge diffusion to the citizens
- Organization, fulfilment, and teaching of a specialist course on the possible presence of asbestos in Cultural Heritage, dedicated to professional restorations
- Consultant for Italian Magistrates in some criminal trials on the presence of asbestos in rocks and in human pulmonary tissues
- Consultant for Italian Ministry of Health with medical doctors, pathologists, epidemiologists, researchers of National Environmental Protection Agencies and National Institute for Insurance against Accidents at Work to define rules at national level for the methods of analysis of asbestos fibers and ferruginous bodies in biological liquids and tissues and for the qualification of the laboratories that analyse them
- Examiner of industrial and/or private research projects for the Government of some Italian Regions and for the Italian Ministry of University and Research

#### **Contribution to the generation, revitalisation, preservation, and dissemination of knowledge**

- Scientific knowledge diffusion on possible pollution by asbestos dispersion in air and water and possible risk for the human (and animal) health through paper publications on International Scientific Journals and on Italian Books, oral and posters communications in National and International Congresses, organization and/or management of scientific session in National and International Congresses
- Scientific coordinator of scientific teams of 12 (local and national) funded projects on detection and interaction of asbestos and asbestiform minerals in air, water, rocks, industrial materials, biological human and animals samples
- Component of research team of 3 funded international projects and 1 funded national project
- Scientific coordinator of scientific teams of 5 national not funded projects
- Scientific and teaching coordinator of teams of not funded International Mobility Involving Third Countries not Associated to the Programme (Partner Countries), Erasmus+ 2025 – KA171

#### **Contribution to the development of individuals and community**

- Internship tutoring of graduating students
- Tutoring of PhD students to develop research skills, scientific communication skills, finding funding for research and the acquisition of instrumentation
- Support to colleagues for career choices in order to advance their career
- Creation of a research group and management of the same through periodic meetings, involvement in scientific and technical decisions, and collegial discussion of scientific results

**Contribution to the wider research or professional community**

- Organization and fulfilment of National Day (Roma-I, December, 2024 and 2023) with scientist, policy makers and industrial stakeholders on the supply of critical raw materials in Italy and Europe to become independent from the foreign market
- Named Component of national and international Commissions to evaluate national and international research projects, research products, national and international career promotion (for full professor, associate professor, researcher, grant holders)
- Associate Editor (since 2016) of the “European Journal of Mineralogy”; Editorial Board Member (since 2022) of “Toxics”; reviewer for around 30 international scientific journals
- Organization and direction of workshop, theme of international Conferences, national and international Congress sessions

**National or international contribution to the development of research and technology impact**

- Organization, fulfilment and direction of the Analyse Laboratory for technical investigations (detection and quantification) of asbestos and asbestiform minerals in air, water, soils, rocks, industrial materials, biological samples for commercial parties

**Personal statement**

- Volunteering as a member of the board of directors of the Caprera Rowing Club (Torino, Italy) and delegate for the presentation of social projects and fundraising