Curriculum Vitae
Tartaglia Roberto

PERSONAL INFORMATION

Family Name, Fist name:	Tartaglia Roberto
Nationality:	Italian
Date of Birth:	25 July 1960
Place of Birth:	Lama dei Peligni (Chieti) - Italy
Private Address:	Via Frentana, 56 - 66010 Lama dei Peligni (Chieti)

PERSONAL DATA

Italian citizen, married, one daughter.

WORK

Title:	Senior Researcher
Address:	LNGS - Laboratori Nazionali del Gran Sasso, AQ, Italy Via G. Acitelli, 22 - 67100 Assergi (AQ)
Tel.:	+39 - 0862 / 437277 + 39 - 329 / 8312369
Email:	roberto.tartaglia@lngs.infn.it
SkypeName:	roberto.tartaglia

EDUCATION

1992 - 1993	Master – Health & Safety, Università degli Studi di Roma, Italy
1987	Technical Course for software and analyses programmers, ITALSIEL, Rome, Italy
1985 - 1986	Officers Course, Artillery School, Sabaudia (LT), Italy
1979 - 1985	Laurea in Ingegneria (100/100) – Corso Ingegneria Nucleare Università degli Studi di Bologna, Italy
1974 – 1979	Diploma (60/60) Liceo Scientifico Statale “L. Da Vinci” - Pescara

CURRENT POSITION

1991 - present	INFN - National Institution for Nuclear Physics- at present Senior Researcher (Dirigente Tecnologo) - LNGS -Gran Sasso National Laboratories, Assergi (AQ), Italy

PREVIOUS POSITIONS

1988 - 1990	Fellowship @ CERN – TIS -Technical Inspection and Safety Division, Geneva, Switzerland
1987 - 1988	Employee *Data Base Programmer and Analyst – ORACLE Environment (SQLPLUS), ITALSIEL S.p.A., Rome, Italy*
1986 - 1987	Officer, Italian Army, Ravenna Italy - Chief of the Launch Section - Safety Officer

HONORS and RESPONSIBILITIES

2017 - present	DarkSide Collaboration - ARIA Project Technical Coordinator. The ARIA Project consists of the realization of a unique criogenic distillation column, 350m tall, for the production of rare isotopes, useful for both the dark matter research and for possible application in

	medical fields (diagnostic purposes) and in several biological and industrial developments.
2017 - 2018	Assignment of a Teaching contract for a course at Faculty of Engineering- Department of Civil and Industrial Engineering - UNIROMA1 - Roma - Safety Subjects. Course: "Safety".
2015 - 2017	Assignment of a Teaching contract for a course at Faculty of Applied Sciences and Technologies- Department of Civil Engineering-UNIMARCONI – Roma – Safety subjects.
2015 - 2016	Assignment of a Teaching contract for a course at Faculty of Engineering- Department of Civil and Industrial Engineering - UNIROMA1 - Roma - Safety Subjects. Course: "Safety in the Design, construction and start-up of the process plants".
2010	Second step in INFN career – Senior Researcher. Dirigente Tecnologo
2009	OHSAS 18001:2007 OHS Auditor Conversion Programme (IRCA/2010) Wigan - United Kingdom - Auditor Certification
2008	Winner of a selection at CERN - fixed term contract for Safety -– HSE Unit Renunciation for personal/family reasons
2008 - 2014	Assignment of a Teaching contract for a course at Faculty of Engineering- Department of Industrial Engineering – UNIMARCONI – Roma – Safety subjects.
2000	First Step in INFN career – Researcher. Primo Tecnologo
1997 - 2016	Head of the LNGS Prevention and Protection Service
1993	Winner of a selection for a staff position at INFN – LNGS
1992 - 2015	Responsible of the Borexino-LNGS Group
1992 - 2000	Borexino Site Manager
1991	Assigned of a fixed term contract at INFN - LNGS
1988 - 1990	Fellow, CERN, CH, Geneva, assigned to TIS Division (Safety).
1987 - 1988	Responsible of a Department in the CUP Project for Ministry of Health
1986 -	Responsible of the Launch Section of a HAWK Army battery (Artillery c/a Missile) Responsible of the Safety of a HAWK Army battery (Artillery c/a Missile)

EXPERIMENTS and COLLABORATIONS

2017 – present	DarkSide, Technical Coordinator ARIA Project
2014 – present	URANIA-2020 - external advisor
2009 – 2010	DarkSide (Direct Dark Matter Search) – external advisor
2004 – 2006	ILIAS - Safety Group
1991 – present	Borexino (Low Energy Solar Neutrinos), Responsible of the LNGS Group up to 2015.

COMMITTEES, CONFERENCES, LECTURES

2017 -	External Advisor for LSC Laboratory- T-Rex Experiment, Canfranc, Spain
2017 -	European Gravitational Observatory (EGO): First health, Safety & Security and Radio-Protection meeting between INFN and CNRS National, Cascina, Italy
2017 -	External Advisor for LSC Laboratory- NEXT Experiment, Canfranc, Spain
2016 -	Conference on Safety and Security– Organizing Committee – L'Aquila, Italy
2016 -	External Advisor for LSC Laboratory- Canfranc, Spain
2016 -	International Technical Safety Forum (ITSF) – DESY - Hambourg - Germany
2015 -	SAFE2015: Wessex Institute of Technology- International Conference on Risk Assessment – Opatia, Croazia
2015 -	European Gravitational Observatory (EGO): Internal and External Audits of the EGO Safety Management System in order to ensure a positive outcome from the external certification body with respect to the OHSAS 18001: 2007 certification obtaining - Cascina, Italy
2014 -	International Carnahan Conference on Security Technology (ICCST) – Organizing Committee - Rome, Italy
2014 -	International Technical Safety Forum (ITSF) – Italian Coordinator – FNAL- FermiLab - Fermi National Accelerator Laboratory - Illinois, USA
2013 -	SAFE2013: Wessex Institute of Technology- International Conference on Risk Assessment – Roma, Italia
2013 -	Conference on Safety Responsibilities– Organizing Committee – L'Aquila, ITALY

2013 -	International Technical Safety Forum (ITSF) - ESRF – Grenoble - France
2012-	VGR - National Conference by Fire brigades (VVF) - Valutazione e Gestione del Rischio negli Insediamenti Civili e Industriali - Tirrenia (PI), Italy
2010 -	External Advisor for DUSEL Collaboration - South Dakota, USA
2010 -	Conference on the Safety Management System (SGSL) - Organizing Committee – LNGS, Assergi, Italy
2010 -	International Technical Safety Forum (ITSF) – Organizing Committee – CERN, Geneva, Switzerland
2009 -	External Auditing Committee on Safety) Committee at CERN, Geneva, Switzerland
2008 - 2009	European Gravitational Observatory (EGO): Advanced Virgo project: External advisor for the development of the Advanced Virgo safety management system (co-presence of scientific activities and civil works) - Cascina, Italy
2008 -	INFN National workshops in the field of Safety – Erice (CT), Bologna (BO), Italy
2008 -	International Technical Safety Forum (ITSF) – Organizing Committee – JLAB - Jefferson Laboratory - Virginia, USA
2006 -	CNR Conference- D. Lgs. 626/94 e D. Lgs. 230/95 – La Formazione e la Comunicazione. Aspetti Legislativi, Metodologici e Gestionali - Monopoli (BA), Italy
2006 -	International Technical Safety Forum (ITSF) – Organizing Committee – RAL Rutherford Appleton Laboratory - United Kingdom
2006 -	CNR Conference- SGSL: Sistemi di Gestione della Salute e Sicurezza sul Lavoro- Trieste, Italy
2006 -	CNR Conference- Errori ed incidenti: il rischio dovuto al fattore umano nei sistemi complessi– Bologna - Italy
2006 -	External Advisor for HUSEP Collaboration - Colorado, USA
2005 -	International Technical Safety Forum (ITSF) – Organizing Committee – SLAC – Stanford Linear Accelerator Centre – Stanford, CA, USA
2005 -	National workshops in the field of Safety – LNGS - INFN
2004 -	CNR Conference D. Lgs. 626/94: la progettazione innovativa in funzione di spazi, ergonomia, emergenza, nuovi rischi. L'accessibilità e le fruibilità per ogni livello di abilità - Isola della Maddalena (OT), Italy
2004 -	PSAM7 – ESREL04 - International Conference on Probabilistic Safety Assessment and Management – Berlino, Germany
2004 -	ILIAS WP3- Working Package on Safety - member
2004 -	National workshops in the field of Safety – Genova, Cagliari - INFN
2004 -	INAIL National Conference - Università di L'Aquila - "La Collaborazione col Medico Competente. La Formazione dopo il D. Lgs. 195/2003", L'Aquila, Italy
2003 -	ENEA + INFN Conference on the Chemical Risk "La Valutazione del Rischio Chimico ed il ruolo del medico competente alla luce del D. Lgs. 25/2002" c/o ENEA – Frascati, Italy
2003 -	CNR Conference "Sistemi di Gestione della Sicurezza" c/o Università di L'Aquila - Organizing Committee and Speaker, L'Aquila, Italy
2003 -	International Technical Safety Forum (ITSF) – Organizing Committee and Chair - LNGS
2002 -	CNR Conference "La prevenzione degli infortuni, l'igiene del lavoro negli ambienti della ricerca" c/o Città di Mare – Terrasini (PA), Italy
2002 -	Workshop INFN "Giornate di Studio in Materia di Sicurezza negli ambienti di lavoro dell'INFN" Organizing Committee and Speaker- LNGS, Trieste, LNS (Catania), Italy
2002 -	Workshop INFN "Giornate di Studio in Materia di Sicurezza negli ambienti di lavoro dell'INFN" Organizing Committee and Chair Committee and Speaker- LNGS, Trieste, LNS
2001 -	International Technical Safety Forum (ITSF) – Organizing Committee – FNAL- FermiLab - Fermi National Accelerator Laboratory - Illinois, USA
2000 -	DPI-2000 - Conference - Il ruolo dei Dispositivi di Protezione Individuale nell'ambito della Prevenzione - *[Co-autore] - Modena, Italy*

PROFESSIONAL SERVICES and MEMBERSHIPS

1987 – present –	Registered into the official "board" of professional Engineers – Pescara

RESEARCH INTERESTS

Senior researcher, wide and remarkable expertise in different fields related to safety (HSS - Health, Safety and Security at work).
Moreover, good experience in the field of Technology research and Group Management, Leadership and Coaching.

These fields can be summarized as follows.

* Risk Assessment: application of both Loss Prevention techniques (DOW and HAZOP methodologies) and reliability techniques in the evaluation of safety criteria adopted and to be adopted in process plants related to experimental apparatuses.
* Organization and management of the Safety of the Laboratories, with particular care to the improvement of the safety requirements for the Experiments @ LNGS and to the definition of the rules and procedures to be respected in the safety fields, as Responsible of the Prevention and Protection Service.
* Member of National and International Committees in the Safety field: Safety tutoring and teaching.
* Safety & Security:
  Emergency procedure and evacuation plans.
  Risk Assessment, Safety Management, Access Monitoring and Control, Training and Education. The LNGS have been classified as "Activities at risk of major accident" since 2002. All the foreseen Risk Assessment, the Safety Report and the study and implementation of a Safety Management System have been accomplished accordingly.
* Engineering:
  Chemical Processes, CFD (Computational Fluid Dynamics), Mechanical and Process Plant, Safety Plants, Nuclear Plants.
* Management:
  Business Administration, budget planning, time planning/scheduling.
  Organization and management of all the "on-site" works performed during the installation and realization of a prototype of the BOREXINO Experiment, a real-time detector in the field of solar neutrino research. Local Responsible of the BOREXINO LNGS-Group; the annual budget is of about 0.5 Million $. The total budget foreseen for the Detector is of about 40 Million $. The realization and the filling of the Detector has been completed in May, 2007. Currently we are in the phase of data taking and analyses.
  A large number of tenders for the various components and plants developed and managed (technical specifications, and so on).
  Elected "RUP = Responsabile Unico del Procedimento" for different tenders both for works, supplying and services. Currently serving as RUP for the firemen and guards services at LNGS.
  Since September 2016 participation to a working group devoted to the study and analyses of possible guidelines for the realization of a monitoring and access control for the four INFN Laboratories. The job activity has been completed in June 2017: the next step will be the definition of the technical specification for the needed tender.
  Proven ability of good interaction with public Authorities- local and national.
* Crisis Management:
  The LNGS have been subjected to an "extraordinary regime" in the period 2003 - 2007. During this period, particular care has been done and guaranteed to the coordination of all the activities, to the interaction with the local Authorities and to the rightest interconnection with the local population. Mid and long-term programming and day-by-day coordination of the activities of the Laboratories as a function of the concurrent activities of the Extraordinary Commissioner for the emergency of the Gran Sasso have been assured. Particular attention has been given to the revision and communication of access control updates, the "dynamic" definition of controlled access areas, the ongoing updating of the internal emergency plan, the organization of site logistics.
* Radio-Protection:
  The current LNGS Organization foresees the Radio-Isotopes Bank Department as one of the Units managed by the Responsible of the Prevention and Protection Service. Together with the "Certified Expert" (EQ) and with the technician of the Radio-Isotopes Bank Unit, the practices for all the authorization have been carefully looked after up to the final approval by the competent Authorities
* Physics:
  Solar and Supernova Neutrinos; Dark Matter.
  Low-counting experiments and background.
  Distillation Processes for rare isotopes production.

GRANTS AWARDED (EU Project member)

2016 - ARIA
2014 - URANIA-2020
2004 - ILIAS WP on Safety

TEACHING, EDUCATION, OUTREACH

2015 - present UNIMARCONI– Faculty of Applied Science and technology –
Department of Civil Engineering –
Subject: "Risk and Safety in worksite and in the infrastructures"
Materia: "Rischio e sicurezza nei cantieri e nelle infrastrutture"

2015 - 2016 UNIROMA1- Faculty of Engineer -
Department of Civil and Industrial Engineering-
Subject: "Safety in the Design, construction and start-up of the process plants".
Materia: "Sicurezza nella progettazione, costruzione e avviamento degli impianti di processo".

2008 - 2014 UNIMARCONI– Faculty of Engineer – Department of Industrial Engineering –
Subject: "Risk and Safety in the high-risk plants"
Materia: "Rischio e sicurezza negli impianti ad alto rischio"

Different sessions as invited teacher and/or tutor in local, national and international environment; educational, training and professional courses, both with professional registered orders (Technicians, Engineers), associations and private companies.
During the LNGS activities, continuous training and education to the LNGS Users: 30 courses per year both in Italian and English languages. A total amount (averaged) of about 500 users are attending the safety briefing courses every year. These numbers have been accounted keeping into consideration both users and external companies employees.

PERSONAL SKILLS AND COMPETENCES

Mother Tongue Italian

Other Languages English - fluent

	Understanding		Speaking		Writing
English	excellent		excellent		excellent
	Listening	Reading	Spoken Interaction	Spoken Production	
	c2	c2	c2	c2	c2

Skills and Expertise Knowledge of Operating Systems: Windows, Mac Os X;
Monte Carlo: FLUKA, Languages: FORTRAN, COBOL, SQLPLUS
Software Packages: MS-Office, MS-Project, Autocad, Filemaker Pro, Adobe
Relex Software; Star-CCM plus (CFD Simulation);

Proven knowledge of project management, scheduling, organizing and estimated procedures. Proven effective verbal and written communication skills.
High level of technical skills: proven ability to guarantee that research commitments are properly performed. Proven ability to lead and to work with others and to work as a member of a large multi-disciplinary research team. - teamwork - leadership and coaching.
Author or contributor to conference papers, laboratory reports and refereed journal articles. Author or contributor to prepare technical reports, publications, and presentations, and materials for internal and external audiences

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

Student Advised

2016 Papisca Nicola, Employee, Roma, Italy - Engineer
2015 Perlangeli Luisa, Employee, Roma, Italy - Engineer
2015 - Mete Maurizio, HSE Dept. in Modena, Italy - Engineer, EHS Division
2014 - Coglitore Laura, Employee, Milano, Italy - Engineer
2014 - Tarola Debora, Employee, L'Aquila, Italy - Engineer
2013 – Esposito Riccardo, Student, Rome, Italy - Junior Engineer
2013 - Luciani Italo, Student, Rome, Italy - Junior Engineer
2013 - Mastrantonio Riccardo, Employee, L'Aquila, Italy - Junior Doctor as HSE Expert
2013 - Nusca Fiorella, Employee, L'Aquila, Italy - Engineer
2012 - Farina Giordana, Employee, Rome, Italy - Engineer
2012 - Ferone Silvia, Employee, Rome, Italy – Engineer
2012 - Di Gennario Eutizio, Fire Brigade Officer, L'Aquila, Italy – Engineer
2012 - Sarnicola Giovanni, Employee, Rome, Italy – Engineer
2012 - Trisolino Daniele, Employee, Rome, Italy – Engineer
2011 - Brunori Giuseppe, Head of Safety Service, Mantova, Italy –Engineer
2010 - Giovannone Enzo Paolo, Fire Brigade Officer, Avezzano, Italy - Engineer
2008 - D'Angelo Paolo, Fire Brigade Officer, Sulmona, Italy – Junior Engineer
2008 - Di Gennaro Eutizio, Fire Brigade Officer, L'Aquila, Italy – Junior Engineer
2007 - Bonanni Fabio, Systems Engineer @ UNICREDIT, L'Aquila - Junior IT Doctor
2007 - Di Vincenzo Luca, System Engineer, Malaga, Spain – Junior IT Doctor
2005 - Vizzani Alessandra, HSE Dept. in L'Aquila County, L'Aquila, Italy - Master in Engineer
2005 - Tobia Marco, Researcher @ LNGS, Assergi (AQ), Italy – Junior Engineer (2nd degree)
2005 - Brunori Giuseppe, Head of Safety Service, Mantova, Italy – Junior Engineer
2004 - Battistelli Sara, Process Engineer, Teramo, Italy - Junior Engineer
2003 - Nisi Stefano, Technician @ LNGS, Assergi (AQ), Italy - Engineer
2003 - Di Santo Marco, Technical Manager @ Tec. Imp., Rome - Italy - Engineer
2003 - Di Lillo Andrea, Manager @ ENI – Venezia, Italy - Engineer
2003 - Di Marco Lucia, Project Manager @ TERNA, Rome, Italy - Junior Engineer
2002 - Tobia Marco, Researcher @ LNGS, Assergi (AQ), Italy – Engineer
2001 - La Rovere Stefano, Project manager @ NIER, Bologna, Italy - Engineer
2000 - Santoni Riccardo, Manager @ IVECO, Rio de Janeiro, Brazil – Engineer
2000 - Ianni Andrea, Borexino Collaboration, Princeton University - Engineer

Currently, 1 students as engineer. The degree has been scheduled by the end of 2018.

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A total number of about 20 students have been directly followed during the teaching period @ UNIMARCONI- different thesis on the following safety subjects: "Risk and Safety in worksite and in the infrastructures".

Moreover, a total number of about 10 students have been directly followed during the teaching period @ UNIMARCONI- different thesis on the following safety subjects: " Risk and Safety in the high-risk plants".

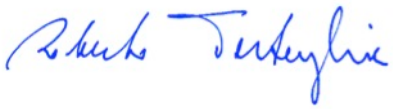
In the last years, fully involved in the fellowship program funded by the Abruzzi Region thanks to the European training funds. Moreover, some fellowships are also coming from INFN fellowship program, whose length is of 24 months. Here a list of fellowship whose "tutoring" or "teaching" has been guaranteed follows:

2017 - present	Perruzza Roberto –	INFN fellowship for Senior graduates
2016 - present	Castri Daniele -	INFN fellowship for graduates
2016 - 2017	Gabriele Federico -	INFN fellowship for Senior graduates
2014 - 2016	Perruzza Roberto -	INFN Research Grants
2012 - 2014	Perruzza Roberto -	INFN fellowship
2009 - 2011	Venti Isa –	INFN fellowship
2007 - 2009	Montanari David -	INFN fellowship
2007 - 2009	Caprara Mario -	INFN fellowship - undergraduate

2004 - 2005	Battistelli Sara -	INFN fellowship - undergraduate
2003 - 2005	Tobia Marco -	INFN fellowship
1998 - 2000	Gazzana Stefano -	INFN fellowship
1998 - 2000	Goretti Augusto -	INFN fellowship
2014 - 2016	Musti Mafalda -	EU - POR fellowship for graduates
2014 - 2016	Ranalli Maria Teresa -	EU - POR fellowship for graduates
2013 - 2014	Paris Michela -	EU - POR fellowship for graduates
2013 - 2014	Castri Daniele -	EU - POR fellowship for graduates
2013 - 2016	Gabriele Federico -	EU - POR Research Grants
2012 - 2014	Bonfini Giuseppe -	EU - POR Research Grants
2010 - 2011	Gabriele Federico -	EU - POR fellowship for graduates
2010 - 2011	Bonfini Giuseppe -	EU - POR fellowship for graduates
2007 - 2008	Bonanni Fabio -	EU - POR fellowship for undergraduates
2007 - 2008	Di Vincenzo Luca -	EU - POR fellowship for undergraduates

Assergi (AQ), Italy
Saturday, July 14, 2018

Roberto Tartaglia



Publications (on "safety")

01 *G.R. Stevenson, R. Tartaglia*
Dose to UA2 Detectors due to p $\overline{p}$ collisions and primary beam losses.
CERN/TIS-RP/06
12 May 1989

02 *H. Schonbacher, R. Tartaglia, M. Tavlet*
Ageing of organic materials in ionizing radiation environments of high energy particle accelerators. - Section 3 -
Compilation of radiation damage test data
I.A.E.A. '89
17 - 20 July 1989 - Takasaki (Japan)

03 *G.R. Stevenson, R. Tartaglia*
Dose to UA2 Detectors due to p $\overline{p}$ collisions and primary beam losses.
CERN 89/10 –
ECFA 89-124 - Proceedings Vol.1 - pp. 149-151
24 November 1989

04 *C.W. Nuttall, R. Tartaglia*
Loss Prevention in an International High Energy Physics Laboratory.
CERN/TIS-CFM/90-06
02 May 1990

05 *C.W. Nuttall, R. Tartaglia*
The Application of Loss Prevention Techniques in an International High Energy Physics Laboratory.
I.A.I.A. '90 - Proceedings - pp. 172 - 174
27 - 30 June 1990 - Losanna (Switzerland)

06 *C.W. Nuttall, R. Tartaglia*
A Loss Prevention Analysis of the DELPHI Experiment by "Dow's Fire and Explosion Index" Method.
TIS-CFM/TM/90-07
6 July 1990

07 *A. Fassò, A. Ferrari, G.R. Stevenson, R. Tartaglia*
Monte-Carlo Simulation of Synchroton Radiation Transport and Dose Calculation to the Components of a High-Energy Accelerator.
CERN/TIS - RP/90 - 11/CF

08 *A. Fassò, A. Ferrari, G.R. Stevenson, R. Tartaglia*
Monte-Carlo Simulation of Synchroton Radiation Transport and Dose Calculation to the Components of a High-Energy Accelerator.
Progress in Nuclear Energy, Vol. 24 - pp. 417 - 428
25-28 September 1990 - Budapest (Hungary)

09 *L. Cadonati, M. Laubenstein, G. Manuzio, A. Preda, R. Tartaglia*
Memo on the Radon Cleaning Methods for Gases.
INFN/TC-95/10
Febbraio 1995

10 *G. Ranucci, R. Tartaglia*
Un nuovo rivelatore ai Laboratori del Gran Sasso: il Counting Test Facility dell'Esperimento BOREXINO.
Il Nuovo Saggiatore – Nuova Serie Anno 11 n. 5/6 (1995) – pagg. 62-77

11 *M. Rogante, R. Tartaglia*
Il progetto "BOREXINO" per la misurazione dei neutrini solari.
Lamiera – Aprile 1999 – pagg. 119-128

12 *R. Tartaglia*
L'organizzazione della Sicurezza e la Gestione delle Emergenze @ Laboratori Nazionali del Gran Sasso.
1° Convegno Nazionale INFN "Sicurezza sul Lavoro"
Napoli – Ottobre 1999

13 *R. Tartaglia*
Safety Organisation and Emergency Plans @ Gran Sasso National Laboratories
Proc. Hep Safety Forum, Hambourg - October 1999 – App. N. 10

14 *A. Giampaoli, R. Tartaglia*
Guida alla Sicurezza per gli esperimenti nei Laboratori Nazionali del Gran Sasso.
Febbraio 2000

15 *R. Tartaglia*
BOREXINO: the technical description
Nuclear Instruments & Methods in Physics Research –
Section A – 461 (2001) pp. 327 - 328

16 *A. Caputo, M. Pelagagge, R. Tartaglia*
Safety management in a Hazardous Experimental Environment: The Borexino case.
Process Safety Progress - vol. 21, No. 1 - pp. 55 - 66 - March 2002

17 *A. Caputo, M. Pelagagge, R. Tartaglia*
Volatile Organic Compound Control in an Underground Experimental Facility: Technical and Safety Issues
Process Safety Progress - vol. 23, No. 1 - pp. 37 - 46 - March 2004

18 *A. Caputo, M. Palumbo, R. Tartaglia*
Fault Tree Analysis for Risk Assessment in the Borexino Experiment
Process Safety Progress - vol. 23, No. 2 - pp. 121 - 131 - June 2004

19 *A. Giampaoli, R. Tartaglia, M. Tobia*
La Gestione delle Emergenze nei Laboratori Nazionali del Gran Sasso
CNR – Convegno Nazionale D. Lgs. 626/94 – Proc. – pp. 79 – 93 – Ottobre 2004

20 *F. Garzia, P. Rossi, R. Tartaglia*
Analisi Elettromagnetica Preliminare per la Realizzazione di una Rete Wireless all'interno dei Laboratori sotterranei del Gran Sasso dell'Istituto Nazionale di Fisica Nucleare.
CNR – Convegno Nazionale D. Lgs. 626/94 – Proc. – pp. 273 – 282 – Ottobre 2004

21 *A. Giampaoli, R. Tartaglia, M. Tobia*
The Nuclear Physics Gran Sasso National Laboratory in the Gran Sasso Highway Tunnel: the Safety Organisation and the Qualitative-Quantitative methods for Risk Evaluation.
PSAM 7 – ESREL 04 – Probabilistic Assessment And Safety Management
proc. June 14 – 18, 2004, Berlin, Germany, Volume 6 - pp. 3453 - 3460

22 *D. Barone, A.. Giampaoli, R. Tartaglia, M. Tobia, G. Zappellini*
La Gestione della Sicurezza presso i Laboratori Nazionali del Gran Sasso dell'I.N.F.N..
CNR – Convegno Nazionale– Proc. – pp. 183 – 194 – Settembre 2005

23 *A. Giampaoli, R. Tartaglia, M. Tobia*
D. Lgs. 626/94 e D. Lgs. 230/95 – La Formazione presso i Laboratori Nazionali del Gran Sasso dell'I.N.F.N..
CNR – Convegno Nazionale D. Lgs. 626/94 – Proc. – pp. 183 – 190 – Maggio 2007

24 *M. Tobia, R. Perruzza, R. Tartaglia, F. Gabriele*
Safety Risk Analysis dell'apparato XENON1T nei Laboratori Nazionali del Gran Sasso: Cost-Benefit Analysis per la mitigazione dei rischi da Rapid Phase Transition e criogenia.
VGR (2012) – ID150

25 *G. Bonfini, F. Gabriele, M. Tobia, R. Tartaglia, A. Giampaoli*
Nitrogen gas spillage in a confined space located in the Gran Sasso Underground Nuclear Physics Laboratory: an outstanding oxygen deficiency hazard case study.
WIT Press - Safety and Security Engineering V (2013) – pp. 145 - 153

26 *A. Giampaoli, R. Perruzza, M. Tobia, R. Tartaglia*
Emergency management and an emergency plan for the Gran Sasso National Laboratories: underground laboratories and motorway tunnels.
WIT Press - SAFE2013 - Risk Analysis IX (2014) – pp. 417 - 427

27 *A. Giampaoli, R. Perruzza, G. Farina, M. Tobia, R. Tartaglia*
Fire Risk Analysis with a performance-based Fire Safety Engineering approach and FDS models for underground facilities in Gran Sasso National Laboratories.
WIT Press - SAFE2013 - Risk Analysis IX (2014) – pp. 193 - 204

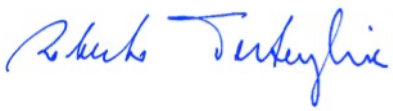
28 *R. Perruzza, F. Nusca, M. Tobia, R. Tartaglia*
FDS+Evac models and Cryogenic & Oxygen deficiency emergency management for underground facilities in Gran Sasso National Laboratories
WIT Press - SAFE2015 - Safety and Security Engineering VI (2015) – pp. 311 - 322

29 *F. Garzia, A. Giampaoli, E.P. Giovannone, M. Guarascio, M. Lombardi, M. Musti, M. T. Ranalli, R. Perruzza, R. Tartaglia*
Risk analysis and reliability of the GERDA Experiment extraction and ventilation plant at Gran Sasso mountain underground laboratory of Italian National Institute for Nuclear Physics.
REM - International Engineering Journal

30 *F. Borghini, F. Garzia, A. Giampaoli, M. Lombardi, M. Mete, R. Perruzza, R. Tartaglia*
The human factor analysis inside a peculiar job environment as the Gran Sasso mountain underground laboratory of Italian National Institute for Nuclear Physics
Elsevier - Journal Safety Science- submitted for publication

Assergi (AQ), Italy
Saturday, July 14, 2018

Roberto Tartaglia



D'Archivio Angelo Antonio- Curriculum Vitae

Studi

1990. Laurea in Chimica con la votazione di 110/110 e lode-Università degli Studi di Roma "La Sapienza": tesi sperimentale "Interazioni intermolecolari in composti di inclusione".

1994. Titolo di Dottore di Ricerca in Scienze Chimiche-Università di Roma "La Sapienza"; tesi " Studio strutturale di aggregati micellari di sali biliari e dei complessi di interazione tra sali biliari, bilirubina-IXa e polipeptidi".

Carriera Universitaria

1996-2004. Ricercatore Universitario; Facoltà di Scienze MM. FF. e NN. dell'Università degli Studi dell'Aquila, per la classe di concorso C03X-Chimica Generale ed Inorganica.

Dal 2005. Professore Associato; Facoltà di Scienze MM. FF. NN. dell'Università degli Studi dell'Aquila, per la classe di concorso CHIM/01-Chimica Analitica.

Attività Didattica

Ha tenuto gli insegnamenti di Chimica Generale ed Inorganica, Laboratorio di Chimica, Strutturistica Chimica e Chimica degli Alimenti per diversi corsi di laurea della Facoltà di Scienze MM. FF. e NN dell'Università degli Studi dell'Aquila. Attualmente è titolare dei corsi Chimica Analitica e Laboratorio di Chimica Analitica per vari corsi di laurea triennale e magistrale e Metodologie Analitiche Avanzate per il corso di laurea magistrale in Scienze Chimiche.

Attività di Ricerca

Precedente: studio della struttura macromolecolare di resine reticolate di sintesi e della loro accessibilità molecolare; studio strutturale di cristalli, delle fibre e delle soluzioni acquose micellari dei sali biliari.

Attuale: Applicazioni della chemiometria nell'ottimizzazione di metodi analitici, relazioni quantitative struttura-ritenzione ed analisi multivariata applicata allo studio di sistemi complessi di interesse biologico, ambientale ed alimentare. In particolare, l'attività di ricerca svolta nell'ambito della Chimica Analitica verte sull'ottimizzazione e l'applicazione di metodi di analisi (principalmente tecniche cromatografiche e di assorbimento ed emissione atomica) allo studio di sistemi complessi d'interesse biologico, ambientale e alimentare, coadiuvate dall'ausilio di approcci chemiometrici nella trattazione dei dati chimico-analitici. Le principali tematiche affrontate recentemente possono essere riassunte nei seguenti punti:

-Sviluppo e validazione di metodi di analisi di molecole di interesse ambientale, biologico, farmacologico ed alimentare.

-Studio delle relazioni quantitative struttura-proprietà in sistemi di interesse analitico.

-Sviluppo e validazione di modelli statistici multivariati per la previsione della ritenzione cromatografica.

-Tracciabilità di prodotti agro-alimentari.

E' coautore di 76 pubblicazioni su riviste internazionali e libri. Svolge regolarmente attività di reviewer per riviste internazionali di Chimica Analitica, tra le quali: Analytica Chimica Acta, Journal of Chromatography A, Analytical and Bioanalytical Chemistry, Talanta, Journal of Separation Science, Chromatographia, Food Chemistry.

Altri incarichi

Dal 2008 al 2018, coordinatore locale per la Regione Abruzzo delle attività del Piano Lauree Scientifiche per la Chimica. Il Progetto Lauree Scientifiche (PLS), frutto della collaborazione del Ministero dell'Università e dell'Istruzione, della Conferenza Nazionale dei Presidi di Scienze e Tecnologie e di Confindustria e nato nel 2004 con la motivazione di incrementare il numero di iscritti ai corsi di laurea in Chimica, Fisica, Matematica e Scienza dei Materiali. In questo ambito ha presentato e rendicontato i progetti PLS biennali, coordinato le attività e gestito i fondi assegnati. Oltre al coordinamento delle attività ha direttamente realizzato laboratori di chimica per gli studenti degli ultimi anni delle scuole medie superiori e corsi di formazione per docenti. Il MIUR ha finanziato le suddette attività per un importo complessivo di oltre 50.000 euro**.**

Membro del Collegio di Dottorato in Chimica dell'Ambiente e dei Beni Culturali dal 2003 al 2012 e del Dottorato di Ricerca in Scienze Fisiche e Chimiche dal 2013 al 2018.

Partecipazione a Progetti Finanziati e Collaborazioni con Aziende

PRIN 1997, PRIN 2004, PRIN 2005, PRIN 2010-2011

Contratto con Sigma-Tau, 2001

Convenzione di ricerca con Hortus Novus srl, 2016, 2017 e 2018

Progetto di Ricerca Smart Clean Air City L'Aquila, 2014-2017; Bando imprese operanti nel territorio del Cratere Sismico Aquilano- Progr. n. M/007/03/X23.

Attività in conto terzi.

Pubblicazioni 2005-2018

DI CECCO V., DI MUSCIANO M., D'ARCHIVIO A. A., FRATTAROLI A. R., DI MARTINO L. Analysis of intraspecific seed diversity in *Astragalus aquilanus* (Fabaceae), an endemic species of Central Apennine. PLANT BIOLOGY, in press

D'ARCHIVIO A.A, FOSCHI M., ALOIA R., MAGGI M. A., ROSSI L. RUGGIERI F. (2019) Geographical discrimination of red garlic (*Allium sativum* L.) produced in Italy by means of multivariate statistical analysis of ICP-OES data. FOOD CHEMISTRY, vol. 275, p. 333-338.

D'ARCHIVIO A.A, DI DONATO F., FOSCHI M., MAGGI M.A., RUGGIERI F. (2018) UHPLC Analysis of Saffron (Crocus sativus L.): Optimization of Separation Using Chemometrics and Detection of Minor Crocetin Esters. MOLECULES, vol. 23, p. 1851-1867.

D'ARCHIVIO A.A, MAGGI M.A., RUGGIERI F. (2018) Extraction of curcuminoids by using ethyl lactate and its optimisation by response surface methodology. JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol. 149, p. 89-95.

D'ARCHIVIO A.A, MAGGI M.A., ODOARDI A., SANTUCCI S. PASSACANTANDO M. (2018). Adsorption of triazine herbicides from aqueous solution by functionalized multiwall carbon nanotubes grown on silicon substrate. NANOTECHNOLOGY, vol. 29, p.

D'ARCHIVIO A.A, DI PIETRO L., MAGGI M.A., ROSSI L. (2018) Optimization using chemometrics of HS-SPME/GC–MS profiling of saffron aroma and identification of geographical volatile markers. EUROPEAN FOOD RESEARCH AND TECHBOLOGY, vol. 244, p. 1605–1613

RUGGIERI F., D'ARCHIVIO A.A, FOSCHI M., MAGGI M. (2017). Experimental Design in Ion Chromatography: Effect of the Organic Modifier and Complexing Agent on the Retention of Alkaline and Alkaline Earth Ions. CHROMATOGRAPHIA, vol. 80, p. 853-860.

D'ARCHIVIO A.A, MAGGI M. (2017). Investigation by response surface methodology of the combined effect of pH and composition of water-methanol mixtures on the stability of curcuminoids. FOOD CHEMISTRY, vol. 219, p. 414-418.

D'ARCHIVIO A.A, MAGGI M. (2017). Geographical identification of saffron (*Crocus sativus* L.) by linear discriminant analysis applied to the UV–visible spectra of aqueous extracts. FOOD CHEMISTRY, vol. 219, p. 408-413.

D'ARCHIVIO A.A, GIANNITTO A., MAGGI M.A, RUGGIERI F. (2016). Geographical classification of Italian saffron (*Crocus sativus* L.) based on chemical constituents determined by high-performance liquid-chromatography and by using linear discriminant analysis**.** FOOD CHEMISTRY, vol. 212, p. 110-116.

D'ARCHIVIO A.A, MAGGI M. A., RUGGIERI F. (2016). Investigation by Response Surface Methodology of Extraction of Caffeine, Gallic Acid and Selected Catechins from Tea Using Water-Ethanol Mixtures. FOOD ANALYTICAL METHODS, vol. 9, p. 2773-2779.

D'ARCHIVIO A.A, MAGGI M.A. RUGGIERI F. CARLUCCI M., FERRONE V., CARLUCCI G. (2016). Optimisation by response surface methodology of microextraction by packed sorbent of non

steroidal anti-inflammatory drugs and ultra-high performance liquid chromatography analysis of dialyzed samples. JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol. 125, p. 114-121.

D'ARCHIVIO A.A, MAGGI M., MARINELLI C., RUGGIERI F., STECCA F. (2015). Optimisation of temperature-programmed gas chromatographic separation of organochloride pesticides by response surface methodology. JOURNAL OF CHROMATOGRAPHY A, vol. 1423, p. 149-157.

D'ARCHIVIO A.A, MAGGI M., RUGGIERI F. (2015). Quantitative structure–retention relationships of cannabimimetic aminoalkilindole derivatives and their metabolites. JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol. 109, p. 136-141.

RUGGIERI F., D'ARCHIVIO A.A., DI CAMILLO D., LOZZI L., MAGGI M. A, MERCORIO R., SANTUCCI S. (2015). Development of molecularly imprinted polymeric nanofibers by electrospinning and applications to pesticide adsorption. JOURNAL OF SEPARATION SCIENCE, vol. 38, p. 1402-1410.

D'ARCHIVIO A.A., MAGGI M. A., RUGGIERI F. (2015). Artificial neural network prediction of multilinear gradient retention in reversed-phase HPLC: comprehensive QSRR-based models combining categorical or structural solute descriptors and gradient profile parameters. . ANALYTICAL and BIOANALYTICAL CHEMISTRY, vol. 407, p. 1181-1190.

D'ARCHIVIO A.A., MAGGI M. A, RUGGIERI F. (2014). Cross-column prediction of gas-chromatographic retention indices of saturated esters. JOURNAL OF CHROMATOGRAPHY A, vol. 1355, p. 269-277.

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D'ARCHIVIO A.A., MAGGI M. A., RUGGIERI F. (2014). Prediction of the retention of s-triazines in reversed-phase high-performance liquid chromatography under linear gradient-elution conditions. JOURNAL OF SEPARATION SCIENCE, vol. 37, p. 1930–1936.

D'ARCHIVIO A.A., GIANNITTO A., INCANI A. NISI S. (2014). Analysis of the mineral composition of Italian saffron by ICP-MS and classification of geographical origin. FOOD CHEMISTRY, vol. 157, p. 485–489.

D'ARCHIVIO A.A., GIANNITTO A., MAGGI M. A. (2013). Cross-column prediction of gas-chromatographic retention of polybrominated diphenyl ethers. JOURNAL OF CHROMATOGRAPHY A, vol. 1298, p.118-131.

D'ARCHIVIO A.A., MAGGI M. A., RUGGIERI F. (2013). Quantitative structure/eluent-retention relationships in reversed-phase high-performance liquid chromatography based on the solvatochromic method. ANALYTICAL and BIOANALYTICAL CHEMISTRY, vol.405 p. 755-766.

D'ARCHIVIO A.A., GIANNITTO A., MAGGI M. A., RUGGIERI F. (2012). Cross-column retention prediction in reversed-phase high-performance liquid chromatography by artificial neural network modelling. ANALYTICA CHIMICA ACTA, vol. 717, p. 52-60.

D'ARCHIVIO A.A., INCANI A., RUGGIERI F. (2011). Cross-column prediction of gas-chromatographic retention of polychlorinated biphenyls by artificial neural networks. JOURNAL OF CHROMATOGRAPHY A, vol. 1218, p. 8679-8690.

D'ARCHIVIO A.A., MAGGI M.A, RUGGIERI F. (2011). Multi-variable retention modelling in reversed-phase high-performance liquid chromatography based on the solvation method: A comparison between curvilienar and artificial neural network regression. ANALYTICA CHIMICA ACTA, vol. 6990, p. 35-46.

D'ARCHIVIO A.A., INCANI A., RUGGIERI F. (2011). Retention modelling of polychlorinated biphenyls in comprehensive two-dimensional chromatography. ANALYTICAL AND BIOANALYTICAL CHEMISTRY, vol. 399, p. 903-913.

D'ARCHIVIO A.A., MAGGI M. A., RUGGIERI F. (2010). Multiple-column RP-HPLC retention modelling based on solvatochromic or theoretical solute descriptors. JOURNAL OF SEPARATION SCIENCE, vol. 33, p. 155-166.

D'ARCHIVIO A.A., INCANI A, MAZZEO P., RUGGIERI F. (2009). Adsorption of s-triazines onto polybenzimidazole: a quantitative structure-property relationship investigation. ANALYTICA CHIMICA ACTA, vol. 650, p. 175-182.

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ASCHI M, D'ARCHIVIO A.A., FONTANA A, FORMIGLIO A (2008). Physicochemical properties of fluorescent probes: experimental and computational determination of the overlapping pKa values of carboxyfluorescein. JOURNAL OF ORGANIC CHEMISTRY, vol. 673, p. 3411-3417.

D'ARCHIVIO A.A., MAGGI M.A, MAZZEO P., RUGGIERI F. (2008). Quantitative structure-retention relationships of pesticides in reversed-phase high-performance liquid chromatography based on WHIM and GETAWAY molecular descriptors. ANALYTICA CHIMICA ACTA, vol. 628, p. 162-172.

D'ARCHIVIO A.A., FANELLI M., MAZZEO P., RUGGIERI F. (2007). Comparison of different sorbents for multiresidue solid-phase extraction of 16 pesticides from groundwater coupled with high-performance liquid chromatography. TALANTA, vol. 71, p. 25-30.

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liquid chromatography by using quantitative structure-retention relationships. ANALYTICA CHIMICA ACTA, vol. 601, p. 68-76.

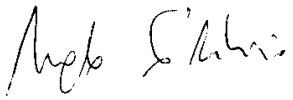
D'ARCHIVIO A.A., RUGGIERI F., MAZZEO P., TETTAMANTI E. (2007). Modelling of retention of pesticides in reversed-phase high-performance liquid chromatography: Quantitative structure-retention relationships based on solute quantum-chemical descriptors and esperimental (solvatochromic and spin-probe) mobile phase descriptors. ANALYTICA CHIMICA ACTA, vol. 593, p. 140-151.

ASCHI M., D'ARCHIVIO A.A., MAGGI M. A., MAZZEO P., RUGGIERI F. (2007). Quantitative Structure-Retention Relationships of pesticides in reversed-phase High-Performance Liquid Chromatography. ANALYTICA CHIMICA ACTA, vol. 582, p. 235-242.

RUGGIERI F., D'ARCHIVIO A.A., CARLUCCI G., MAZZEO P. (2005). Application of artificial neural networks for prediction of retention factors of triazine herbicides in reversed-phase liquid chromatography. JOURNAL OF CHROMATOGRAPHY A, vol. 1076, p. 163-169.

6 Novembre 2018

Prof. Angelo A. D'Archivio



CURRICULUM

CLARA TURETTA

Name : **Clara Turetta**

Education : **Laurea in Scienze Geologiche (Univ. di Padova)**

Institution : **Istituto per la Dinamica dei Processi Ambientali – CNR, Venezia (I).**
Via Torino 155, 30172 Venezia
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Position : **Ricercatore**

Employment
1992: "study grant" presso "Institut de Biogeochimie Marine - ENS - CNRS Paris (France).
1993-95: borsa di studio presso Università Ca' Foscari di Venezia.
1995-96: borsa di studio presso Università Ca' Foscari di Venezia.
Da Dicembre 1996: Ricercatore a tempo indeterminato presso Istituto per la Dinamica dei Processi Ambientali – CNR, Venezia (I).

Aree di interesse
Geochimica ambientale:
Determinazione di elementi in traccia in matrici reali (acque, particolato, sedimenti, aerosol, neve e ghiaccio) mediante spettrometria di massa a settore magnetico (ICP-SFMS) e a quadrupolo (CRC-ICP-MS).
Caratterizzazione geochimica delle masse d'acqua oceaniche, identificazione dell'origine degli elementi e valutazione della circolazione oceanica.
Isotopi stabili in acqua marina, neve/ghiaccio suoli e sedimenti mediante spettrometro di massa (IRMS).
Ciclo delle terre rare (REE). REE come traccianti geochimici in sistemi naturali. REE in neve e ghiaccio per ricostruzioni paleoclimatiche. REE in aerosol come traccianti di aree sorgente.
Rapporti isotopici del piombo nei sedimenti per il riconoscimento di possibili aree sorgente.

Chemiometria:
Utilizzo della chemiometria per lo studio di sistemi naturali

Progetti di ricerca
PNRA (2017-2019): "EvASIon - Mercer and Whillans lakes: Evolution of hydrologically Active Subglacial environments" – *Project Leader*;
National Research Programme in Antarctica - CaBiLA- Geochemical characterization of antarctic subglacial lakes) – *Project Leader*.
Progetto Premiale ARCA - ARctic: present Climatic change and pAst extreme events;
Regione Veneto: Q-ALiVe - Quality of Venetian Littoral Environment – *Project Leader*;
PRIN09 – Arctica, referente per WP4.

L'attività di ricerca è testimoniata da più di 50 articoli apparsi su qualificate riviste internazionali (peer review) e 150 abstracts di comunicazioni/poster a congresso. Dr Turetta ha attualmente un Hirsch Index di 18.

Selected references:

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2. M. Vecchiato, C. Turetta, B. Patti, C. Barbante, R. Piazza, T. Bonato, M. Sprovieri, A. Gambaro. "Distribution of Fragrances and PAHs in the Surface Seawater of the Sicily Channel, Central Mediterranean". Science of the Total Environment, 634, 983-989, 2018.
3. Y.F. Li, Z. Li, G. Cozzi, C. Turetta, C. Barbante, J. Huang, L.F. Xiong. "Signals of pollution of trace elements in recent snow from mountain glaciers in the Qinghai-Tibetan Plateau". Chemosphere, 200, 523-531, 2018. doi: 10.1016/j.chemosphere.2018.01.039.
4. C. Turetta, E. Barbaro, G. Capodaglio, C. Barbante. "Dissolved Rare Earth Elements in the central-western sector of the Ross Sea, Southern Ocean: geochemical tracing of seawater masses". Chemosphere, 183, 444-453, 2017, doi: 10.1016/j.chemosphere.2017.05.142.
5. A. Spolaor, P. Vallelonga, C. Turetta, N. Maffezzoli, G. Cozzi, J Gabrieli, C. Barbante, K. Goto-Azuma, A. Saiz-Lopez, C.A. Cuevas, D. Dahl-Jensen. "Canadian Arctic sea ice reconstructed from bromine in the Greenland NEEM ice core ". Nature Scientific Reports, 6, 33925, 2016, doi: 10.1038/srep33925. Published on-line 21-09-2016.
6. A. Zhuravlev, M. Berto, M. Arabadzhi, J. Gabrieli, C. Turetta, G. Cozzi, C. Barbante. "Trace and Rare-earth Elements in Natural Ground Waters: Weathering Effect of Water-Rock Interaction". International Journal of Environmental Research, 10 (4), 561-574, 2016.
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8. P. Gabrielli, D.R. Hardy, N. Kehrwald, M. Davis, G. Cozzi, C. Turetta, C. Barbante and L.G. Thompson. "Deglaciated areas of Kilimanjaro as a source of volcanic trace elements deposited on the ice cap during the late Holocene". Quaternary Science Reviews, 93, 1-10, 2014 (doi:10.1016/j.quascirev.2014.03.007).
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10. A. Spolaor, P. Vallelonga, J. Gabrieli, N. Kehrwald, C. Turetta, G. Cozzi, L. Poto, J.M.C. Plane, C.F. Boutron and C. Barbante. "Speciation analysis of iodine and bromine in Antarctic ice". *Analytical and Bioanalytical Chemistry*, in stampa 405 (2-3), 647-654, 2013.
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12. L. Poto, J. Gabrieli, S.J. Crowhurst, P.G. Appleby, P. Ferretti, N. Surian, G. Cozzi, C. Zaccone, C. Turetta, R. Pini, N. Kehrwald, C. Barbante. "The first continuous last Late Glacial - Holocene peat bog record from the Dolomites (NE Italian Alps)". Quaternary International, 306, 71-79, 2013.
13. S. Romano, C. Mugnai, N.H. Cu, S. Giuliani, L.G. Bellucci, C. Turetta, G. Capodaglio, D.H. Nhon, S. Albertazzi, M. Frignani. "Extreme events and environmental changes: Tracing sedimentary processes in Central Vietnam coastal Lagoons". Chemistry and Ecology, 29 (2), 166-180, 2013.
14. C. Turetta. "Reconstruction of past climatic events using principal comp-onent analysis of the trace element profiles in a sediment core (Joides Basin, Antarctica)". Quaternary International, 279, 503, 2012..
15. J. Gabrieli, L. Carturan, P. Gabrielli, N. Kehrwald, C. Turetta, G. Cozzi, A Spolaor, R. Dinale, H. Staffler, R. Seppi, G. Dalla Fontana, L. Thompson, C. Barbante. "Impact of Po' Valley emissions on the highest glacier of the Eastern European Alps". *Atmospheric Chemistry and Physics*, 11 (15), 8087-8102, 2011.
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