

PERSONAL INFORMATION

Name	LUCENTINI LUCA
Address	Istituto Superiore di Sanità (ISS) – (National Institute of Health) Department of Environment and Primary Prevention Section of Inland Water Hygiene 299, Viale Regina Elena, 00161 Rome, Italy
Telephone	+39 06 49902800
Fax	+39 06 49903115
E-mail	luca.lucentini@iss.it
Nationality	Italian
Date of birth	07.08.1964
Gender	Male

WORK EXPERIENCE

- | | |
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| <ul style="list-style-type: none">• Dates (from – to)• Name and address of employer | From 2003 to date
Istituto Superiore di Sanità (ISS) – (National Institute of Health)
Dept. of Environment and Primary Prevention
Section of Inland Water Hygiene
Viale Regina Elena, 299 – 00161 Rome, Italy |
| <ul style="list-style-type: none">• Type of business or sector | Water and health: scientific support to water quality management and decision-making, including development and implementation of regulatory acts, standards, and guidelines, scientific opinions, risk analysis processes, analytical research, surveillance and control activities for protection and monitoring of inland water and drinking water chain. |
| <ul style="list-style-type: none">• Occupation or position held | Director of Section of Inland Water Hygiene (2010-),
Senior Researcher (2006-), Researcher (-2006), |
| <ul style="list-style-type: none">• Main activities and responsibilities | The activities are focused on different issues concerning the quality of water for human consumption and health risk and management, particularly within the <i>acquis communautaire</i> (i.e. dir 98/83/EC - Drinking water directive, DWD -, also in relationship with dir 2000/60/EC and derivative legislations and food legislation), safe water uses (and reuse) in agriculture animal and food production, risk analysis concerning water and climate changes.

Main specific tasks and responsibilities are the following: <ul style="list-style-type: none">— technical-scientific advice to the Italian regulatory bodies (Ministry of Health, Ministry of Environment, Territory and Sea, Regional Authorities) embracing:<ul style="list-style-type: none">▪ transposition and implementation of DWD and ancillary legislations, risk analysis related to water for human consumption and its different uses including food industry and water for agriculture and animal husbandry;▪ transposition of dir 2013/51/EURATOM laying down requirements for the protection of the health of the general public with regard to radioactive substances in water intended for human consumption. |

- harmonization of Italian national criteria and methods for monitoring of drinking water chain and quality assurance, including development of standards and guidelines, coordination of the technical monitoring of drinking water quality in Italy;
- support to International and EU bodies (WHO, EC) in development criteria and standards in the field of drinking water chain and health.
- research activities in the field of drinking water and water employed in agriculture and food production and health, including risk analysis, chemical analytical methods, quality assurance, emerging chemical contaminants, materials and products in contact with water.

Specific functions and activities on the above include:

- Italian Governmental scientific representative within the Committee established by art. 12 of dir 98/83/EC (*drinking water directive*) and within the *European Network of Drinking Water Regulators* (ENDWaRe);
- Italian Governmental scientific representative within the Committee established for Directive 2006/118/EC on the protection of groundwater against pollution and deterioration;
- Governmental Scientific Member of the *Superior Council of Health* (Advisory board for the Italian Minister of Health) for risk assessment/management and decision-making related to water issues; relevant scientific opinions included: safety of water treatments, parameters other than those included within the DWD (*i.e.* chlorite, hardness, cyanotoxins), risk management and derogations in local exceptional circumstances (trihalomethans, vanadium arsenic, fluoride, boron), non-compliance for indicator parameters also in relationship with drinking water treatment devices at home, advice for quality assurance in water monitoring to laboratories in charge of water monitoring within environmental-health authorities and water suppliers; hydrocarbon contamination of thermal water;
- Co-author / Contributor to *WHO International norms on water quality and human health (i.e., WHO Guidelines for Drinking water quality 3rd and 4th editions; WHO Water in Buildings, 2011; WHO-UNECE Guidance on water supply and sanitation in extreme weather events, 2011)*.
- Italian Governmental scientific representative within the *Protocol on Water and Health to the 1992 Convention on the Protection and Use of Transboundary Watercourses and International Lakes, done in London, on 17 June 1999*.
- Italian Governmental scientific representative within the *International Network of Drinking-Water Regulators* (RegNet) within the WHO.
- *Medium- and short-term assistance expert for Technical Assistance and Information Exchange instrument* managed by the *Directorate-General Enlargement of the European Commission*. (EC-TAIEX): Kosovo, Turkey, Armenia, Israel, Tunisia, Albania.
- Member of national task-force groups, *ad-hoc* working groups and author or co-author of scientific opinions supporting risk analysis processes and reference values for water contaminants directly relevant to health and other parameters related to deterioration in quality, regulatory and technical-scientific issues concerning water uses in agriculture, animal husbandry and food production, water protection areas, water catchments, treatments and disinfection, home treatments of drinking water, effects of climate changes on water quality, decision-making related to water quality management in different contexts and emergencies (ca. 180 official reasoned opinions on request of Ministry of Health, Ministry of Environment, Territory and Sea, Health Regional and Local Authorities).
- Project leader, Responsible of components and key-expert in

International and EC Phare Twinning Projects (TP): Turkey, Poland, Estonia, Egypt, Romania, Bulgaria.

- Editor or author of Italian National Guidelines including:
 - development and implementation of *water safety plans* in drinking water systems in Italy;
 - official Analytical chemical methods for water monitoring;
 - quality assurance for laboratory in charge of water monitoring;
 - prevention and management of risks related to climatic extreme events and intentional terrorist attacks;
 - risk communication within drinking water emergencies;
 - home drinking water treatment devices: technical regulations and consumer's information standards;
 - risk assessment and management of emerging compounds (*i.e.* migration chemicals from materials in contact with drinking water, pharmaceuticals, endocrine disruptors, cyanotoxins) within the drinking water chain;
 - risk analysis related to small water supplies.
- Auditor and scientific advisor for Legal Authorities and Italian tribunals in the field of water and health, including water in food production.
- Project manager for n. 29 research projects (2008-) funded by the Italian Ministry of Health, Regional health authorities public water suppliers, main researcher in other national and international funded research projects in the field of water-related sanitary emergencies, drinking water, food safety and health.
- Director, member of Scientific committee or lecturer of basic and advanced international and national training courses and workshops on drinking water and health, addressed to experts of the Italian National Health Service (106 events, last 5 years).
- Main advisor for the water portal of the Ministry of Health (drinking water issues) 2015-16; scientific co-ordinator of the web-site for the Section of Inland Water Hygiene (ISS) (-15) and for Department of Environment and Primary Prevention – ISS (2003-10).

• Dates (from – to)

• Name and address of employer

• Type of business or sector

• Occupation or position held

• Main activities and responsibilities

From 1991 to 2003.

Istituto Superiore di Sanità (ISS) – (National Institute of Health)
Dept. of Food Safety and Veterinary Public Health
Viale Regina Elena, 299 – 00161 Rome, Italy.

Food Hygiene; health risks related to chemical environmental contamination and endogenous compounds in foodstuffs.

Researcher on temporary (1991-) and permanent (-2003) basis.

Activities were mainly carried out within a number of financed research projects (funding provided by ISS, Ministry of Health, Ministry of University and Scientific and Technological Research – MURST-, Ministry of Agriculture) concerning safety of consumers, to support the risk assessment process for contaminants and residues.

Specific functions on the above include:

- responsible of Quality Assurance System for the Laboratory of Veterinary Medicine (accreditation under ISO/IEC 17025 obtained);
- EC inspector for safety of production chain for animal food particularly concerning residue control (inspections in EU, France, and third countries, Botswana, Zimbabwe);
- National expert in the management and establishment of laboratory's Quality System, Internal Audit programme for laboratories as required by International Standard ISO/IEC 17025 – inspector within the Public Italian organization for the accreditation of food laboratories (ISS-ORL);
- GLP (Good Laboratory Practice) official inspector for the Ministry of

Health;

- Lecturer, scientific staff and/or director of basic and advanced courses on food hygiene, involving risk assessment, quality assurance systems and inspections, Hazard Analysis and Critical Control Points (HACCP), chemical analyses for additives, contaminants, residues and toxicants monitoring, addressed to personnel of the National Health Service and to laboratory experts from health protection services of foreign;
- Analytical methods developments and validation: chromatographic techniques, ion chromatography and mass spectrometry detection; spectroscopy; extraction and analysis of organic pollutants for aquatic matrices; management and implementation of conventional and advanced chemical analytical methods (e.g LC-MS-MS) for water and food.

- Dates (from – to)

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- Type of business or sector

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- Main activities and responsibilities

- Dates (from – to)

- Name and address of employer

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- Occupation or position held

- Main activities and responsibilities

EDUCATION AND TRAINING

- Dates (from – to)

- Name and type of organisation providing education and training

- Principal subjects/occupational skills covered

- Title of qualification awarded

- Dates (from – to)

- Name and type of organisation providing education and training

- Principal subjects/occupational skills covered

- Title of qualification awarded

From 1989 to 1991.

Scientific Department of Police.

Criminalpol. Viale dell'Arte 185. 00144 – Rome (Italy)

Police activities.

Policeman.

Police activities, ballistics measures.

From 1991 to 1993

Istituto Tecnico Agrario "Giuseppe Garibaldi". Via Ardeatina, 524. 00178. Rome

Agricultural Science

Professor of Public Secondary School.

Teaching technical agricultural matters: agricultural chemistry, agronomic techniques

From 1994 to 1998

Università degli Studi "La Sapienza", Rome. Italy

Application of high performance liquid chromatography (HPLC) coupled with conventional detectors and mass spectrometry for the evaluation of algal toxins in aqueous and food matrices.

Ph.D. Quality assessment of Commodities and Foodstuffs

From 1984 to 1991

Università degli Studi di Viterbo "La Tuscia", Viterbo. Italy

Agricultural Chemistry

High Degree in Agricultural Sciences

MOTHER TONGUE**ITALIAN**

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

ENGLISH

Excellent
Excellent
Fluent

ORGANISATIONAL SKILLS
AND COMPETENCES
*Coordination and
administration of people,
projects and budgets; at work,
in voluntary work (for example
culture and sports) and at
home, etc.*

- Director of Section of Inland Water Hygiene of ISS: coordination of 16 units of permanent personnel (multidisciplinary team involving chemists, pharmaceutical chemists, biologists, laboratory technicians) and 8 units of temporary personnel.
- Management of 18 Research projects (last 5 yrs) for ca. 1,0 million of euro (2008-).

TECHNICAL SKILLS
AND COMPETENCES
*With computers, specific kinds
of equipment, machinery, etc.*

- Risk analysis (exposure assessment) of organic pollutants in environmental and food matrices;
- Analytical methods developments and validation including conventional and advanced chemical analytical methods (e.g LC-MS-MS) for assessing health safety of water and food;
- computer softwares under Windows and Apple OS, including Microsoft Office, web browsers, email softwares, Systat, vectorial drawing (FreeHand), etc., operating systems, networking and applications.

DRIVING LICENCE(S)

B level

ADDITIONAL INFORMATION

Tutor for University and PhD students: preparation of experimental thesis in Chemistry, Biological Sciences and Pharmacy (n. 12 thesis) concerning water quality.

Reviewer of International Research Journals including *Journal of Chromatography Toxicon (Elsevier)*, *Rapid Communication in Mass Spectrometry (Wiley)*, *Journal of Water and Health (IWA Publishing)*.

Date**Signature**

11 December 2015

