

CURRICULUM VITAE

OLGA MELITA CHUMPITAZ RIVERA

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HIGHLIGHT QUALIFICATIONS

- Clinical Laboratory Technician Central Institute for Advanced Specialization and Paramedical Workers, Budapest, Hungary. 1982-1985
- Post-basic Special Hematology Institute of Hematology and Immunology, General Hospital "William Soler", Havana, Cuba. 1993
- Bachelor in Chemistry. Havana University, School of Chemistry. 1995-1999
- Master in Science. (Inorganic Chemistry). Mention: Solid State. Havana University, Faculty of Chemistry and National Center for Scientific Research. 2000-2004
- Course and management of the electroforming equipment, FM150, FM120. DVD Industry.Singulus.Holland 2009
- Diploma in Environmental Issues. 2010
- Laboratory. ELISA, Chromatography, AAS, Oven microwave digester.2010
- Course Shielding and Ionizing Radiations. Rebagleati Hospital. December 2011.
- Course-Workshop on implementation of ISO 9001. (March 2012)
- Course Interpretation of the Standard ISO 9001-2008. (2012)
- Course-Workshop "Elaboration of the silabo by competences" the framework of the educational model. San Marcos and Model CONEAU-2013.

Professional Expertise

<u>Area of Expertise</u>	<u>Skills</u>
Education	Teaching undergraduate courses in both General Chemistry and Organic Chemistry. Skills in planning and preparation, creating an appropriate classroom environment with professional responsibilities and flexibility in to a framework for professional practice.
Chemical Lab	Technical and Manipulative skills in using laboratory equipment, tools, materials, computer software an understanding of laboratory procedures, including health and safety and most important scientific methods a deeper understanding of abstract concepts and theories gained by experiencing and visualizing them as AUTHENTIC PHENOMENA. The skills of scientific enquiry and problem-solving, including: recognizing and defining a problem formulating hypotheses designing experiments, collecting DATA testing hypotheses, drawing conclusions, communicating processes, outcomes and their implications.
International Standards	Theoretical methods and practices to ensure quality, safety and efficiency in any area of chemistry. ISO 9001- ISO 17025. Monitoring, measurement, analysis and evaluation.
Activated Carbon	Obtain and application in interdisciplinary subjects as environmental science and Industry, of Microporous Activated Carbon with physical and chemical activations. characterization of Pore size and pore volume. Dubinin-Radushkevich equation, B.E.T.

RELEVANT SKILLS

- Knowledge and technical performance of Medicine, Organic, Inorganic and Analytical Experience in installation and commissioning of chemical laboratory equipment, instrument calibration, preparation of standards, implementation of new techniques.
- Experience working in laboratories gas absorption, water testing laboratory, laboratory soil analysis laboratory wood preservation.
- Experience working as an internal auditor, environmental auditor, reading reports wastewater analysis, responsible for quality management, occupational health and environment.
- Knowledge and management activated carbons obtained from vegetable raw materials and agro-industrial waste.
- Knowledge, performance procedures and common techniques in chemical composition of the residual water, soil.
- Knowledge and performance techniques to determine the wood preservation.
- Knowledge of materials management and inventory control.
- Knowledge of Microsoft Office tools: Excel, PowerPoint, MSWord,
- Knowledge of ISO 9001, ISO 17025, ISO 14000.
- Focused Chemist highly effective at following ASTM methods and Principles of GLP practices.
- Teaching experience in organic chemistry labs.
- Teaching experience in General Chemistry and Organic Chemistry lecturer.
- Implementation of best practices.
- Knowledge in planning and organizing work tasks.
- Ability to work under pressure, teamwork, decisions instantly.
- Ability to learn and apply new processes in industry.
- Motivated chemist inspired to invent innovative products and streamline processes.
- Responsible, cooperative and ethically correct.

EMPLOYMENT HISTORY

1. **General Hospital Cm. Dr. Manuel Fajardo, Habana, Cuba.** 1985-1990
Post-Basic Technical Laboratory. Work recognition techniques applied hematologic clinical and immunological diseases.
2. **Institute of Tropical Medicine Pedro Kouri, Havana, Cuba.** 1990-1995
Technical specialist care for patients with HIV.
Techniques hematology, microbiology, tropical diseases.
3. **Institute of Materials and Reagents for Electronics (IMRE), University of Havana, Cuba.** 1998 – 1999
Degree in Chemistry. techniques of analytical, organic, inorganic, chemistry Laboratory, techniques to determine carbonaceous materials, chromatography.
4. **National Center for Scientific Research, Havana, Cuba.** 2000-2004
Laboratory senior specialist of gas physical adsorption.
5. **Residue Analysis Laboratory, LARE (Ministry of Science, Technology and Environment), Havana, Cuba.** 2004 – 2005
Laboratory Senior Specialist of residue analysis, implementation of TOC, and COD / BOD implementation.
6. **Processed Industrial Complex DVD Productions, Luz Productions, Ministry of Informatics and Communications, Havana, Cuba.** 2006-2007
Laboratory Specialist Treatment Electroplating and residual heavy metals (Ni).

7. **National Hydraulic Resources Institute, Havana, Cuba.** 2007-2009
Principal Specialist of the Provincial Office of Water Resources, Internal Auditor, reading reports wastewater analysis, provincial Inspector.
8. **Forest Research Institute, Havana, Cuba.** 2010-2011
Laboratory Specialist Atomic Absorption. AAS
Determination of metal elements Cu, Zn, Cr and As to wood treated and treatment solution.
Metals in water, soil analysis.
9. **IEDES Lima-Peru.** 2011-2012
Responsible environmental management
10. **Aleph Group Company. Lima-Peru** 2012
Head of Quality Management, Occupational and Environmental Health. Implementation of ISO 9001/2008 Certified by SGS requested of the Cerro Verde mine for the following techniques:
 - ✓ Personal Dosimeter.
 - ✓ Maintenance of Radioactive Sources.
 - ✓ Dosimeter mapping and dose rate.
 - ✓ Course and Training in Radiation Safety.**"Biopolymers Consulting" Company (BioPol), Lima, Peru.** 2012
Consultant.
11. **Universidad Peruana Cayetano Heredia.** 2012-2016
Teaching in Organic Chemistry Laboratory. (Medicine students)
Teaching in General Chemistry and Organic Chemistry Lecturer. (Medicine students)
Students advisor. Demonstrated a continued commitment to undergraduate teaching through full participation in the college community. Developed and delivered engaging lectures to undergraduate and graduate students. Wrote course materials such as syllabi, homework assignments and handouts. Administered and graded midterm and final examinations. Planned, evaluated and revised course content and course materials.
12. **Universidad Nacional Mayor de San Marcos.** 2012-2016
Teaching in Organic Chemistry Laboratory. (Chemist, Chemist Engineers, Biologists, Microbiologists students).
Teaching in General Chemistry and Organic Chemistry Laboratory and Lecturer. (Biologist, Microbiologist and Conservation and restoration students). Demonstrated a continued commitment to undergraduate teaching through full participation in the college community. Developed and delivered engaging lectures to undergraduate and graduate students. Wrote course materials such as syllabi, homework assignments and handouts. Administered and graded midterm and final examinations. Planned, evaluated and revised course content and course materials.
Students advisor, Researcher.
13. **St. Thomas University. 2017 - 2018**
Lecturer (General Chemistry) CHM1045; CHM1033;
Supervised and evaluated students' laboratory work. CHM1045; CHM1033; CHM 3216
Guided students in using technology to support educational research.
Wrote course materials such as syllabi, homework assignments and handouts. Administered and graded midterm and final examinations. Planned, evaluated and revised course content and course materials.
14. **Miami Dade Colleges. 2018**
Lecturer (General Chemistry) CHM1025; CHM1033;
Supervised and evaluated students' laboratory work. CHM1045; CHM1033; CHM 3216
Guided students in using technology to support educational research.
Wrote course materials such as syllabi, homework assignments and handouts. Administered and graded midterm and final examinations. Planned, evaluated and revised course content and course materials.

PUBLICATIONS

- Soto RL, Chumpitaz OM, Rojas J, Llópiz JC, Szegedi S. Characterization of Peruvian superfood "Chenopodium quinoa Wild" using nuclear techniques. Rev. Per. Quim. Ing. Quim. Vol. 18, No. 2, 2015, 9-18. <http://revistasinvestigacion.unmsm.edu.pe/index.php/quim/article/download/11780/10537>.
- Soto RL, Chumpitaz OM, Torres EC, Rojas J, Llópiz JC, Szegedi S. Study of quinoa, Chenopodium quinoa Willd, as an alternative natural fertilizer by nuclear analytical methods. Rev. Inv. Fis. Vol. 18, No. 1, 2015, 151801301, 1-7. http://www.rif-fisica.org/index.php?title=2015:_Volumen_18
- Acquisition and characterization of Peruvian activated carbons. XXIII Peruvian Symposium on Physics. Book of abstracts. Cusco. October 2014.
- Chumpitaz O, Soto RL. Activated charcoal from coconut shell. Rev. Per. Quím. Ing. Quím. Vol. 16, No. 1, 2013. 5-12.
- Chumpitaz OM, Pérez I, Soto RL. Acerca de la superación del personal asociado a industrias de replicación de Información. Memories Congress. IV Iberoamerican Workshop on Teaching of University Physics. UNED-UH. 2007.

EVENTS

1. IV Cuban Congress of Microbiology and Parasitology. Cuban Congress of Tropical Medicine. IPK.CUBA(October 1993).
2. Environmental Scientific Conference. National Center for Scientific Research. CNIC(Speaker). CUBA (May 2003).
3. IV Ibero-American Workshop on Teaching of University Physics- UNED.CUBA. (January-2007).
4. Workshop on Non-Conventional Chemical Synthesis. IMRE- UH. CUBA. (April 2003).
5. Environmental Scientific Conference. National Center for Scientific Research. CNIC (Speaker)CUBA (2004).
6. III Workshop on Water Uses and Care. Treatment of waste water. Irrigation with re-circulated waters, advantages and disadvantages of these waste treatment systems. INRH(Speaker). CUBA (June 2008).
7. I Workshop of cooperative Monitoring of the Almendares-Vento hydrographic Basin. Corps of Ranger and Provincial Council of basins. INRH.CUBA(November 2008).
8. IV Workshop on Water Uses and Care. Technologies and Extreme Hydro Meteorological Phenomena. INRH. (Speaker)CUBA. (November 2008).
9. V Ibero-American Workshop on Teaching of University Physics. UH-UNED.CUBA(January 2009).
10. II National Workshop on water use and care. The Villas. INRH. (Speaker) CUBA (March 2009).
11. IV National Workshop on Water Treatment and Water Purification. (January 2009). UNAICC-INRH(Speaker). CUBA (January 2009) Provincial Workshop on Hydrographic Basins. INRH(Speaker). CUBA (December 2009).
12. III National Seminar "Ecological Soil Management". ACTAF-INAF.CUBA (December 2010).
13. International Conference "Research, development and scientific& technological innovation. Faculty of Chemistry. UNMSM-Lima. PERU 2012.

14. Conference Preparation and Characterization of chemically activated carbon and its use in industrial effluent treatment. Chemical Society of Perú. SQP PERU (January 2013)
15. Conference "Quantitative Determination by Neutron Activation of Nitrogen content in samples of Quinoa (Chenopodium Quinoa Wild) Coauthor. Trujillo PERU (March 2013)
16. II International University and Business Seminar: Natural Resources and Investment Projects for Sustainable Development. Speaker. Vice-rectory of Investigation. UNMSM. Symposium. Lima-PERU (August 2013).
17. IV Forum Agroindustry leading efforts towards accreditation. Faculty of Chemistry and Chemical Engineering. UNMSM. PERU 2013.
18. II University Conference on Conservation and Restoration. School of Conservation and Restoration. Faculty of Arts. UNMSM. PERU 2013.
19. University Curricular Conference 2013. Faculty of Chemistry. UNMSM.PERU 2013.
20. University Curricular Conference 2013. School of Conservation and Restoration. Faculty of Arts. UNMSM. PERU 2013.
21. University Curricular Conference 2014. Faculty of Chemistry. UNMSM. PERU 2014.
22. University Curricular Conference 2014. School of Conservation and Restoration. Faculty of Arts. UNMSM. PERU 2014.
23. XXIII Peruvian symposium on Physics. SOPERFI (Speaker) Cuzco-PERU. (October 2014).
24. First National Workshop on Peruvian Scientific Women "Production of Knowledge in Science and Technology". National Academy of Sciences of Perú. ANC Lima-PERU 2015.
25. University Curricular Conference 2015. School of Conservation and Restoration. Faculty of Arts. UNMSM. PERU 2015.
26. International Seminar: New Trends in the Registry, Diagnosis and conservation of Heritage. PUCP-UNESCO. Lima-PERU (June 2015).
27. BIOMET 2015
28. XXV Peruvian Symposium of physics. (Speaker) PUCP PERU (October-2016)
29. II Peruvian Symposium of nanoscience and Nanotechnology. (Poster) UNMSM (August-2016)
30. Workshop on Peruvian tinting plants. UPCH. PERU (October 2016)
31. Scientific meeting of chemistry (Open Day Chemistry) UPCH-PERU (November - 2016)

PROJECTS

Year of the Project	Project name	UNMSM
2016	"Treatment of sludge from wastewater treatment plants of domestic origin"	Chemical Science Institute.
2016	"Radon determination in various University locations."	Institute of Research. Faculty of Physics
2016	Use of ARDUINO as continuo monitoring of the physical conditions during the radon adsorption process in canisters of activated coal.	Institute of Research. Faculty of Physics
2014	"Activated carbon obtention"	Chemical Science Institute.
2013	"Rheological behavior of multicomponent mixtures, baking enriched with quinoa"	Chemical Engineering Institute

Language

Languages	Reading	Writing	Speaking
Spanish	Mother tongue		
Hungarian	fair	fair	basic
English	fair	fair	basic

OTHER ACTIVITIES

Member of the Peruvian Scientific Women's group.