

CURRICULUM VITAE



PERSONAL DETAILS

Family name: GHEZAIEL
First name: Mohamed Jemai
Date and place of birth: July 26th, 1955 - Le Kef, Tunisia
Nationality: Tunisian
Marital status: Married - 3 children
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CURRENT EMPLOYMENT

- Associate Professor in Biophysics- Medical Physics and Radiobiology, Section of Biophysics and Nuclear Medicine, Faculty of Medicine of Tunis, Tunisia.
- Medical Physicist in the Nuclear Medicine Department at Salah Azaiez Institute, Tunis.

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The main activities in the Nuclear Medicine Department include:

Supporting Quality Management Audits in NM Practice -QUANUM; In charge of radiation protection, dosimetry, optimization, QC, inspection and training; Elaboration of plan of intervention for the management of equipment of the NM department; Application of the national and international regulations; Supervision of foreign trainees.

OTHER EMPLOYMENT

June 1985- Sept 1991

- Head of Laboratory of the Centre National de Radio Protection -CNRP.

June 2002 – June 2005

- Head of the Biophysics and Nuclear Medicine Department, Faculty of Medicine.

EDUCATION AND ACADEMIC QUALIFICATION

- March 2014

Habilitation Degree in Biophysics: Medical Physics and Radiobiology, University of Tunis El Manar, Tunisia.

- October 1984

Doctorat Degree in Special Metallurgy, Centre d'Etudes Nucléaires de Saclay- Division d'Etude des Combustibles Nucléaires, Département de Technologie- Saclay; CEA, France.

- October 1982

MSc Degree in Special Metallurgy, Institut National des Sciences et Techniques Nucléaires– INSTN, Centre d'Etudes Nucléaires de Saclay- Saclay; CEA, France .

- June 1981

BSc Degree in Physics and Chemistry, Faculty of Sciences of Tunis.

- Septembre 1978

University Diploma in Scientific Studies -DUES- in Physics and Chemistry, Faculty of Sciences of Tunis.

INTERNATIONAL EXPERIENCE

- Member of the Education and Training Committee, International Organization for Medical Physics.
- Member of the The African Association: Federation of African Medical Physicists Organization- FAMPO.
- **Project Coordinator, the International Atomic Energy Agency –IAEA**
 - Promoting Regional and National Quality Assurance Programs for Medical Physics in Nuclear Medicine.
 - Strengthening Medical Physicists' Capacities to Ensure Safety in Medical Imaging, with an Emphasis on Pediatric Imaging Safety.
- **Expert Consultant IAEA :**
 - Course Director: Regional (AFRA) Training Course on Quality Assurance and Optimization in SPECT/CT and PET/CT Applications, Tunis, Tunisia, 25 - 29 April 2016.
 - Regional Workshop to raise Awareness on Medical Physicist Roles , Dar es Salaam, Tanzania, November 2014.
 - **Coordination Meeting:** Strengthening Medical Physicists' Capacities to Ensure Safety. in Medical Imaging, with an Emphasis on Pediatric Imaging Safety, Vienna-Austria, April 2014
 - Task Force Meeting to review and finalize requirements for Academic Program and Clinical Training in Nuclear Medicine and Radiology, Vienna, Austria, February 2011.
 - Coordination Meeting: Promoting Regional and National Quality Assurance Programs for Medical Physics in Nuclear Medicine, Rabat- Morocco, October 2012, and Dar Es Salaam-Tanzania, July 2010.

NATIONAL EXPERIENCE

- Member of the Tunisian Association of Nuclear Medicine.
- Member of the Tunisian Association of Radio Protection.
- Member of the National Commission of Recruitment of Assistants in Biophysics for 2002/2003, 2003/2004, 2004/2005, 2016/2017 and 2017/2018.
- Sworn official Inspector during my work in the CNRP.
- Participation in several institutions for the elaboration of the regulations of the use of the sources of ionizing radiations: INNORPI, STEG, CETIME.
- Founder member of the:
 - National Week of Radio Protection: preparation, organization, presentation of communications and supervision of the practicals session.
 - Week of the CETIME, on the Non Destructive Controls.
 - National Seminar on the Management and the Maintenance of the Hospital Equipment: elaboration of plan of intervention for the management and the maintenance of equipment of hospitals and teaching hospitals.
- Ex member of the:
The National Commission of Radio Protection, the National Commission of the Atomic Energy, the Inter Arabe Commission of Radio Protection and the National Commission of Radiology.

TEACHING EXPERIENCE

- Teaching of Biophysics, Medical Physics and Radiobiology courses and practical class to the students of the Faculty of Medicine of Tunis and l'Ecole Supérieure des Sciences et Techniques de la Santé de Tunis.

- Post-graduate teaching of Biophysics, Medical Physics and Radiobiology to the Doctors Residents and Assistants, Faculty of Medicine of Tunis.
- Organization of courses: dosimetry and radioprotection for the workers professionally exposed to ionizing radiations

ACTIVITIES AND EXPERIENCES

- **Inspection and Control:** Inspection and control of sources of ionizing radiations in the medical, industrial and research fields.
 - **Dosimetry:** Exploitation of the dosimetry by DTL.
 - **Quality Control:** QC of mammography and diagnostic radiology equipments
- **Legislation and regulations:** Participation at the elaboration of the **Regulation** in the field of Radiological Protection against Ionizing radiations.
- **Spectrometry:** Installation of a laboratory of environmental monitoring after the accident of the Nuclear Power Plant of Chernobyl in Russia.
 - **Intervention during radiological accidents:**
 - Fire in a place of storage in Bardo of 142 smoke detectors.
 - Loss of a radioactive source of Cesium 137, 24 mCi (Department of Radiotherapy), source of Americium 241, (RNTA), Tunis.

SUPERVISION OF THE TRAINEES

- Supervision of foreign trainees in the field of radioprotection, dosimetry, optimization and quality control.
- Supervision of doctoral thesis, Master's degree and projects of end of studies.

SELECT RECENT PUBLICATIONS

- Radiation safety for patients in nuclear medicine: Current situation in Tunisia. M.J. Ghezaiel, I.Slim, H. Mayna, I. El Bez, A. Mhiri, M.F. Ben Slimène. Médecine Nucléaire 37 (2013) 586–590
- Assessment of the contribution of the integrated CT to SPECT in the irradiation of patients in nuclear medicine. M.J. Ghezaiel, I. Slim, H. Mayna, A. Mhiri, I. Meddeb, I. El Bez, I. Yeddes, M.F. Ben Slimène. Médecine Nucléaire 36 (2012) 545–549
- Differentiated thyroid cancer in patients less than 20 years: Report of 20 cases. Mhiri, M. J. Ghezaiel, I.El Bez, I. Slim, I. Yeddes, I. Meddeb, M. F. Ben Slimène. Médecine Nucléaire 37 (2013) 416–419
- The contribution of hybrid SPECT/CT imaging in the management of differentiated thyroid Carcinoma. A. Mhiri, I. Slim, M.J. Ghezaiel, I. Meddeb, I. El Bez, I. Yeddes, S. Gritli, M.F. Ben Slimène. Médecine Nucléaire 36 (2012) 554–560
- Estimation of Radiation Dosimetry for some Common SPECT-CT Exams. A. Mhiri, I. Slim, M.J. Ghezaiel and M. F. Ben Slimène. International Journal of Biotechnology for Wellness Industries, 2012, 1, 266-269

CONFRENCES AND SEMINARS

Active participation at several congresses and working groups.