

# Resume

Family Name: Ghidan  
First Name: Osama  
Date of Birth: 25/11/1975  
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## Qualifications:

- **PhD -Curtin University of Technology-WA-Australia (Jan/2009)**  
Applied Physics-Isotopes science & Mass spectrometry  
Thesis title: “The Isotopic composition of Zinc in natural materials”.
- **MSc Physics-University of Mysore-India**
- **BSc Physics\_ University of Jordan- Jordan**

## Conferences:

- **ANZSMS 22 January 27-30 2009-Sydney-Australia.**  
“Accurate and precise elemental abundance of Zn in Standard Reference Materials by Isotope Dilution Mass Spectrometry TIMS Technique”. Osama Y. Ghidan and Robert D. Loss. Department of Imaging and Applied Physics, Curtin University, Western Australia.
- **AGU-Fall Meeting 15-19 December 2008-San Francisco-USA.**  
“The Absolute Isotopic Composition of Zn in Terrestrial Materials Determined Using Double Spike Thermal Ionization Mass Spectrometry”. Osama Y. Ghidan and Robert D. Loss. Department of Imaging and Applied Physics-Curtin University of Technology, Perth, Australia.
- **AIP “Australian Institute of Physics Post Graduate**  
Research Conference. Institute of Human Development  
Jarrahdale-WA-August 23-25, 2006-Australia. Isotopic measurements of Zn in natural materials. O.Y. Ghidan and R. D. Loss, Curtin University of Technology, Perth, Western Australia
- **International Commission On Isotopic Abundances and Atomic Weights. Isotope Science Symposium- 23rd July 2007. CNR Pisa Italia.** “The Isotopic Composition of Zn”. O. Ghidan and R. Loss, Curtin University of Technology, Perth, Western Australia.

## Membership of Professional Institutes and Societies:

- American Geophysical union (AGU) membership number 11093418.
- American Society of Mass Spectrometry (ASMS)
- International Society of Isotopes

## Membership of other Institutes and Organizations:

- Amnesty International

## Skills and Abilities

- Trace level Ion exchange separation chemistry
- Chemical Clean room techniques

- TIMS mass spectrometry analysis high precision and accuracy isotopic ratio measurements
- IDMS analysis and low level blank determinations
- Isotopic tracer concentrations calibration
- Full uncertainty treatments of isotopic data and results using GUM ISO-9000 techniques
- Scientific report and first author publication writing.
- Grants application writing.
- Sigmaplot
- SHRIMP user course
- Microsoft office and Internet (advanced level)

## Referees:

- 1 **Emeritus Professor John De Laeter**  
John De Laeter Centre for Mass spectrometry  
Department of Imaging and Applied Physics  
Curtin University of Technology- GPO Box: U1987  
Perth-WA-6845, Australia  
[E-mail: J.DeLaeter@Curtin.edu.au](mailto:J.DeLaeter@Curtin.edu.au)  
Phone No: 0061 8 9266 3518.
- 2 **Dr Brendan McGann (Head of my PhD committee)**  
Dept Applied Physics-Faculty of Science & Engineering  
Building 301-Bentley campus- Curtin University of Technology  
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Phone No: 0061 9266 2327
- 3 **Emeritus Professor Kevin Rosman PhD Co-Supervisor (Deceased)**  
John De Laeter Centre for Mass spectrometry- Department of Imaging and Applied  
Physics- Curtin University of Technology- GPO Box: U1987  
Perth-WA-6845, Australia
- 4 Associate Professor Robert Loss  
“My supervisor during my PhD”  
President- IUPAC-Inorganic Chemistry Division (II)  
Director of John De Laeter Centre for Mass Spectrometry.  
Head of the department of Applied Physics and Medical imaging  
Faculty of Science- Curtin University of Technology  
[E-mail: R.Loss@Curtin.edu.au](mailto:R.Loss@Curtin.edu.au)  
Phone No: 0061 8 9266 7192

## Publications:

- [1] GHIDAN, O. Y. A. & LOSS, R. D. (In Press) Accurate and precise elemental abundance of Zn in Standard Reference Materials by Isotope Dilution Mass Spectrometry TIMS Technique. *Geostandards and geoanalytical research*.

- [2] GHIDAN, O. Y. & LOSS, R. D. (Submitted) Accurate isotopic fractionation and elemental abundances of Zn in bulk meteorites determined by the double spike, IDMS-TIMS, Mass spectrometry techniques. *Meteoritics & Planetary Science*.
- [3] GHIDAN, O. Y. & LOSS, R. D. (in Preparation) Abnormal isotopic composition of Zn and Cd in bulk Redfields meteorite
- [4] GHIDAN, O. Y. & LOSS, ROBERT D. (In preparation) Accurate Zn isotope fractionations in terrestrial materials as determined by double spike thermal ionization mass spectrometry.