

# SHORT CURRICULUM VITA OF Dr. SALAH S. MASSOUD

Salah S. Massoud

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## EDUCATION

1985: Ph.D. (Inorganic/Bioinorganic Chemistry), Boston University, Boston, MA  
1978: M.Sc. (Inorganic Chemistry), Alexandria University, Egypt  
1974: B.Sc. (Chemistry, Distinction with Hons.), Alexandria University, Egypt

## ACADEMIC POSITIONS

2007-present: Professor, UL Lafayette, Lafayette LA 70504-4370.  
2002-2007: Associate Professor, UL Lafayette, Lafayette LA 70504-4370.  
2000-2002& 99-98: Visiting Associate Professor, Ohio University, Athens OH 45701  
1986-1998: Assistant, Associate, and Full Professor, Alexandria University, Alexandria Egypt  
1993-1995: Associate Professor, Kuwait University, Safat, Kuwait

## RESEARCH EXPERIENCE

1999-1998: Visiting Professor with Prof. K. Brown (Ohio University, Athens, OH)  
1992, 1991: Research Fellow with Prof. P. Comba (Basel University, Basel, Switzerland)  
1991-1990: Research Fellow with Prof. R. B. Jordan (University of Alberta, Edmonton, Canada)  
1989, 1987, 1986-1985: Research Fellow with Prof. H. Sigel (Basel University, Basel, Switzerland)

## HONORS and AWARDS

- 2012: *Outstanding Professor - The Ray P. Authement College of Sciences*, UL Lafayette
- 2002-2020: *Boudreaux Distinguished Professorship*, UL Lafayette, Lafayette, LA 70504
- 2018: Appointed as a "Distinguished Professor" at Alexandria University, Egypt
- 2004, 2005, 2007: *Summer Research Award*, UL Lafayette.
- 1998: *Rufus Putnam Visiting Professorship*, Ohio University, Athens, OH 45701
- 1994-1995: *Excellence Award for Teaching Chemistry*, Kuwait University, Kuwait
- 1989: *Recipient of Alexandria University Award for Chemistry*, Alexandria Egypt
- 1987 & 1989: *Research Associate Fellowship supported by Swiss National Foundation*, Switzerland
- 1985-1986: *Postdoctoral Fellowship Award from Amt für Ausbildungsbeiträge des Kantons Basel Stadt*, Switzerland.

## PROFESSIONAL ACTIVITIES & INVITED SPEAKER

**2018:** Palacky University, Olomouc-Czech Republic, regional Center of Advanced Technologies and Materials, September 12, **2018**, "*DNA Cleavage by Efficient Artificial Nucleases and Role of the Steric Effect*".

- 2018:** Graz University of Technology, Graz-Austria, Institute of Physical and Theoretical Chemistry, September 10, **2018**, “DNA Cleavage by Efficient Artificial Nucleases and Role of the Steric Effect”.
- 2018:** Alexandria University, Department of Chemistry, Alexandria-Egypt, July 18, **2018** “Cancer and Cu(II) Complexes as Potential Anticancer Agents”.
- 2018:** The American University at Cairo (AUC), Department of Chemistry, Cairo-Egypt, July 4, **2018** “DNA Cleavage by Efficient Artificial Nucleases and Role of the Steric Effect”.
- 2017:** Guest Editor for “Crystals” (<http://www.mdpi.com/journal/crystals>) special issue, **2017**. “Advances in Anticancer by Coordination Compounds”
- 2017:** Alexandria University, Department of Chemistry, Alexandria-Egypt, September, **2017** “Development of Efficient Artificial Nucleases for DNA Cleavage by Metal(II) Complexes”.
- 2017:** *The 18<sup>th</sup> International Conference on Biological Inorganic Chemistry, ICBIC-18, Florianopolis – Brazil, July 31-August 5, 2017*. “Development of Efficient Artificial Nucleases for DNA Cleavage Based on Pyridyl Tripod Cobalt(II) Complexes”
- 2017:** Louisiana State University, Department of Chemistry, Baton Rouge, USA, February, **2017** “Development of Efficient Artificial Nucleases for DNA Cleavage by Metal(II) Complexes”.
- 2016:** Georgia State University, Atlanta, Department of Chemistry and Biochemistry, Atlanta, GA, USA, November 15, **2016** “DNA Cleavage by Metal Copmlxes”
- 2016:** Invited Speaker (Keynote lecture) at *the International Conference of Polymer Chemistry, Atlanta, GA, USA*, November 14-16, **2016**.
- 2016:** *The 6<sup>th</sup> International Conference on Nuclei Acid-Protein Chemical and Structural Biology for Novel Drug Discovery, Chingdu-China, May 26-28, 2016*.
- 2015:** *The 2<sup>nd</sup> International Conference on Past and Present Research Systems of Green Chemistry, Orlando, FL USA*, September 14-16, **2015**
- 2015:** Chairman of the *Coordination Chemistry Session* of the 249<sup>th</sup> ACS National Meeting, Denver, CO, March 23-26, **2015**.
- 2014:** *2014 Symposium on Coordination Compounds as Molecular Magnetic Materials*, Sanda-Japan, October 11, **2014**. “Squarato-Bridging Copper(II) Dinuclear Complexes derived from Polypyridyl Amine Ligands”.
- 2014:** Kwansai Gakuen University, School of Science and Technology, Sanda-Japan, (October 10, 2014) “Efficient Hydrolytic Cleavage of Plasmid DNA by Chloro-cobalt(II) Complexes”.
- 2013:** Kwansai Gakuin University, School of Science and Technology, Sanda-Japan (October 18, 2013). “Metal-Ion Binding Properties in Nucleoside Monophosphates and their Constituents”
- 2013:** Okayama University of Science, Research Institute of Natural Sciences, Okayama-Japan (October 17, 2013). “Metal-Ion Binding Properties in Nucleoside Monophosphates and their Constituents”
- 2013:** Shimane University, Department of Chemistry, Shimane-Japan (October 16, **2013**). “Metal-Ion Binding Properties in Nucleoside Monophosphates and their Constituents”.
- 2013:** *Kumamoto Seminar on Complex-based Supramolecule” Kumamoto University – Graduate School of Science and Technology*, Kumamoto, Japan (October, 15, **2013**). “Development of Efficient Artificial Nucleases for DNA Cleavage. Mononuclear Cobalt(II) Complexes Based Pyridyl Tripod Amines”.
- 2013:** *2013 Symposium on Coordination Compounds on Molecular Magnetic Materials”* Sanda, Japan, October 12, **2013**. “1D and 2D Cadmium Polymers with Alternative Bridged Azido Bonding Modes”.
- 2012:** Organizer of the *Bioinorganic Sessions in SW ACS Regional Meeting*, Baton Rouge, November 4-7, **2012**.
- 2012:** Okayama University of Science, Research Institute of Natural Sciences, Okayama-Japan (October 10, **2013**). “DNA Cleavage by Co(II) and Cu(II) Complexes Derived from Pyridyl Based Ligands. Factors Affecting DNA Cleavage”
- 2012:** Shimane University, Department of Chemistry, Shimane-Japan (October, 8, **2012**). “DNA Cleavage by Co(II) and Cu(II) Complexes Derived from Pyridyl Based Ligands. Factors Affecting DNA Cleavage”.

- 2012:** Kwansai Gakuin University, School of Science and Technology, Shimane-Japan (October 7, **2012**). “DNA Cleavage by Co(II) and Cu(II) Complexes Derived from Pyridyl Based Ligands. Factors Affecting DNA Cleavage”.
- 2012:** *2012 Symposium on Coordination Compounds as Molecular Magnetic Materials*, Sanda-Japan, October 6, **2012**. “Azide Metal(II) Complexes. Diverse Coordination of Bis(3,5-dimethylpyrazolyl)amine with Divalent Metal Ions”.
- 2010:** Chairman of the *Bioinorganic Session* in *SW ACS Regional ACS Meeting*, New Orleans, LA, December 1-4, **2010**.

#### Editorial Board Committees for the following journals

- 2018: Reviewer Editor *Frontiers in Chemistry*: <https://loop.frontiersin.org/people/570978/overview>
- 2017: Guest Editor for “Crystals” (<http://www.mdpi.com/journal/crystals>), special issue “*Advances in Anticancer by Coordination Compounds*”
- 2015: Editorial Board of *Magnetochemistry Journal*: <https://www.mdpi.com/journal/magnetochemistry/editors>
- 2016: Editorial Board of *MAYFEB Journal of Chemistry*
- 2016: Editorial Board of *Jacobs Journal of Structural Chemistry*
- 2014: Editorial Board of *Journal of Advances in Chemistry*
- 2014: Editorial Board of *Journal of Modern Chemistry and Applications (JMCA)*
- 2012- present: Editorial Board of *Dataset Papers in Materials Science*
- 2007: Editorial Board of the *Asian Chemistry Letters (ACL)*
- **2015:** Outstanding Contribution in Reviewing Papers for *Inorganica Chimica Acta* (Elsevier)

#### 2004-present:

- **Supervising** more than 120 students in Undergraduate Research Courses (Chem 362 & Chem 462) and 15 internships students in UL Lafayette, USA
- **Co-supervised** three Ph. D. and one M. Sc. Thesis, Alexandria University, Egypt (1992-1997).

#### Reviewing the following textbooks and thesis:

- 5) **2018:** External Examiner for a Ph.D. Thesis submitted to University of South Africa, Pretoria, South Africa.
- 4) **2018:** External Examiner for two Ph.D. Thesis submitted to Alexandria University, Alexandria, Egypt.
- 3) **2015-2017:** External Examiner for three Ph.D. Thesis submitted to Alexandria University, Alexandria, Egypt.
- 2) **2012:** *Inorganic Chemistry* by Hagerman: W.H. Freeman & Co, **2012**.
- 1) **2011:** *Inorganic Chemistry* by Shriver & Atkins, 5<sup>th</sup> Edn: all chapters, W. H. Freeman & Co, **2011**.

## RESEARCH COLLABORATION

### *International and National Collaboration*

- 2015-present: Prof. Dr. Nora Kulak (Freie Universität Berlin, Berlin, Germany)
- 2014-present: Prof. Dr. Zdenek Travnicek (Palacky University, Olomouc, Czech Republic)
- 2014-present: Prof. Dr. Peter Comba (Heidelberg University, Heidelberg-Germany)
- 1999-present: Prof. Dr. F. Mautner (Graz University, Graz-Austria)
- 2003-present: Prof. Dr. R. Vicente (University of Barcelona, Barcelona –Spain)
- 2008-present: Prof. Dr. M. Mikuriya (Kwansai Gakuin University, 2-1 Gakuen, Sanda-Japan)
- 2013-present: Prof. Dr. Makoto Handa (Shimane University, Matsue-Japan)
- 2012-2015: Prof. Dr. Hernán Terenzi (Universidade Federal de Santa Catarina Florianopolis Sc-Brasil)
- 2008-2013: Prof. Dr. F. Meyer (Georg-August-Universität Göttingen, Göttingen-Germany)

### *National Collaboration*

- 1990-present: Prof. I. Bernal (University of Houston, Houston, TX USA)
- 2008-2012: Prof. G. Yee (Virginia Tech., Blacksburg, VA USA)
- 2006-2013: Prof. R. Lalancette (Rutgers University, York, NJ USA)
- 2007-2013: Dr. J. Grebowicz (University of Houston-Downtown, Houston, USA)