

## ***Tarek Mahmoud Sami***

Tabbin Institute For Metallurgical Studies (TIMS)

Tabbin Helwan, Cairo – Egypt

Tel & Fax :

(202) 5010170 – (202) 5010171

Mobile : 0121698426

email : [Sami\\_san@yahoo.com](mailto:Sami_san@yahoo.com)

### ***Education***

---

<b>1986 – 1990</b>	<b>Ph.D in Science, Chemistry</b> Tohoku University, Sendai – Japan
<b>1978 – 1981</b>	<b>M.Sc in Science, Chemistry</b> Al Azhar University, Cairo – Egypt
<b>1972 – 1976</b>	<b>B.Sc in Science, Chemistry</b> Ein Shams University, Cairo – Egypt

### ***Career Development***

---

<b>2002 – 2006</b>	<b>Head of non-Ferrous metal chair TIMS</b>
<b>1998 – 2002</b>	<b>Assistant Professor TIMS</b>
<b>1998</b>	University of London united Kingdom <b>Visitor Professor</b>
<b>1994 - 1995</b>	University of Idaho, USA <b>Senior Fulbright Researcher</b>
<b>1992 - 1997</b>	<b>Lecturer TIMS</b>

### ***Technology & Innovation related activities***

---

#### ***Professional***

<b>1996 – 1998</b>	<b>Project coordinator</b> <i>Tabbin Technology Incubator</i>
<b>1998 – 2005</b>	<b>Board member</b> <i>Tabbin Technology Incubator.</i>
<b>2005 -2006</b>	<b>Steering Committee member</b> Tabbin Technology Incubator

## ***Professional Development***

- 2004** "SME cluster development principles helping SMS clusters in developing countries meet their potentials in the globalize economy" *UNIDO – ILO*  
*International Training Course, Turin, Italy*
- 2002** "International workshop on the process of Innovation and learning in dynamic city-regions"  
*UNIDO, Shenzhen – China*
- 2002** "The second international training workshop on Technology innovation for small and Medium sized Enterprises based on science and technology  
*Beijing International Business Incubator*  
*Beijing – China*

## ***Academic***

- 2002 – 2006** **Teaching topic :**  
***R&D and technological innovation Management***  
**Post graduate course**  
Department of Industrial Engineering (TIMS)
- 2006** **M.Sc supervision**  
*Strategic development of aluminum Industry in Libya*  
*Department of Industrial Engineering (TIMS)*
- 2005** **Technical Report**  
*Technology Profile & Market Analysis for reduction of Nitrous oxide at Egyptian Fertilizers facilities*  
Clean development for clean development Mechanism (CD4CDM) Project.
- 2005** **M.Sc Supervision**  
***A strategic study on establishment & Support of small & medium scale enterprises linked to large size enterprises***  
*Department of Industrial Engineering (TIMS)*
- 2002** **Ph.D Supervision**  
*Studies Extraction of some toxic compounds from hazardous waste by super critical fluid extraction technology*  
TIMS, Helwan University and Nagoya University
- 2000** **M.Sc supervision**  
*Porosity modification in carbon cathode of aluminum reduction cell*  
TIMS, Cairo University and Imperial College University of London

## ***International Cooperation***

**2003**                      **Organize the first workshop and exhibition for exchange the appropriate technology for development Egyptian SME**  
**TIMS, Innovation fund for Technology firm**  
**Ministry of Science and Technology China.**

### *Membership*

*ISIS innovation news*  
**University of Oxford United Kingdom**

### *Current R&D activities*

**2006**                      **Ongoing R&D in the following research area:**  
- Production of high purity alumina 99,99%  $\text{Al}_2\text{O}_3$  from Aluminum Industrial Waste  
  
- Techno-feasibility studies on production high grade Ilmenite >48%  $\text{TiO}_2$  from low grade Egyptian Ilmenite 32 – 38%  $\text{TiO}_2$

### *International Project Participation*

---

**1997 – 2000**                      **Joined External MSC in Material Science and Engineering Education Program**  
*TIMS Imperial College of Science, Technology and medicine, University of London*  
**Course coordinator**

**2004 – 2006**                      **Clean Development Mechanism Capacity Development Project CD for CDM Egypt**  
  
Sponsored by Netherlands Government, UNEP  
UNEP – RISO Centre  
**CDM Consultant**

### *Main teaching topics*

---

- *Surface engineering and metal finishing*
- *Hydrometallurgy & Metal recovery*
- *Industrial waste treatment and pollution prevention*

### *Awards, grants*

---

**1985 – 1990**                      **Ph.D Scholarship**

	Ministry of Education, Japan. <i>Tohoku University – Sendai – Japan</i>
<b>1994 – 1995</b>	<b>Senior Fulbright Research fellowship</b> <i>University of Idaho. Idaho – USA</i>
<b>1998</b>	<b>Visitor Professor</b> <i>Imperial College. University of London</i>

### *International Conference*

---

<b>2001</b>	<i>TMS Annual conference on Mineral, Metal and Material New Orleans – USA</i>
-------------	-----------------------------------------------------------------------------------

### *Membership*

---

- *Fulbright Education and Cultural Society*
- *Egyptian graduate Society from Japanese University*
- *Egyptian Society for Industrial Development*

### *Languages*

---

*Arabic – English – Japanese*

### *Scientific publications*

---

*Editor and co-editor of 25 publications presented in international conferences and scientific journals*

### *Other professional activities*

---

#### *Management skills development*

<b>2004</b>	<b>Effective Management Skills</b> <i>Egyptian European Management development centre (IMC) Cairo – Egypt</i>
<b>2004</b>	<b>Marketing Planning</b> <i>IMC Cairo – Egypt</i>
<b>2003</b>	<b>Effective Leadership</b> <i>IMC Cairo – Egypt</i>
<b>2003</b>	<b>Strategic Management</b> <i>IMC Cairo – Egypt</i>

#### *CDM consultant activities*

<b>2004 – 2007</b>	<b>Member of TIMS team for implemented CD4CDM Project</b>
<b>2006 – 2007</b>	<b>Lecturer 5 CDM capacity building workshop participation</b>
<b>2006 - 2008</b>	<b>Egyptian CDM Projects portfolio development team member</b>
<b>2008 - 2009</b>	<b>Developed PDD document for the following projects :</b> <ul style="list-style-type: none"> <li>- <b>Blend cement in national cement company (developer Mitsubishi cooperation)</b></li> <li>- <b>Abu Zabal landfill gas capture and flaring (developer carbon venture Ltd of Dubai)</b></li> <li>- <b>Fuel switching in national cement company (developer Mitsubishi cooperation)</b></li> </ul>
<b>2006</b>	<b><i>5 CDM capacity building workshop participation, lecturer</i></b>
<b>2006</b>	<b><i>Developed project idea note and project design document for 7 CDM projects in Egyptian companies</i></b>