

## Curriculum Vitae

- 1. Name:** Alaa El-Din Ali El-Shafei  
**2. Date of Birth:** 31.03.1961  
**3. Place of Birth:** El-Mansoura, Egypt  
**4. Sex:** Male  
**5. Marital Status:** Married  
**6. Nationality:** Egyptian  
**7. Languages:** (a) Mother Tongue: Arabic (b) Other Languages: (I) English (II) Germany  
**8. Degrees:**

Year	Degree	Grade	University	Country
1982	B.Sc. (Chemistry)	Very Good	El-Mansoura	Egypt
1986	M.Sc. (Physical Chemistry)		" " "	Egypt
1990	Ph.D. (Physical Chemistry)		" " "	Egypt

### 9. University Education:

Time	Degree	Main subjects	University	Country
September, 1982-March, 1986	B.Sc.	Chemistry	El-Mansoura	Egypt
May, 1982-March 1986	M.Sc.	Physical Chemistry	El-Mansoura	Egypt
March, 1986-July, 1990	Ph.D.	Physical Chemistry	Bonn & Mansoura	Germany & Egypt

### 10. Profession:

Time	Position	Location
May, 1982-March, 1986	Demonstrator	El-Mansoura University, Egypt
March, 1986-July, 1990	Assistant Lecturer	" " " " "
July, 1990-November, 1995	Lecturer	" " " " "
November, 1995-October, 2001	Associate Prof. of Physical Chem.	" " " " "
October, 2001-Until now	Prof. of Physical Chemistry	" " " " "

### 11. Ph.D. Channel System, Germany (Financed by Egyptian government)

Time	Type	Location
August, 1987-October, 1989	German language course	Goethe Institute, Germany
October, 1987-October, 1989	Channel system for Ph.D. study	Bonn University, Germany

### 12. Fellowships and Training Course

Time	Type	Location	Financed by
09. 1993-02., 1994	Training course in Catalytic Science	CRC, Hokkaido University, Japan	JICA, Japan
06. 1995-11.1995	Postdoctoral Grant	CNRS, Meudon, France	CNRS, France
05. 1998-07. 1998	Postdoctoral Grant	RAL-ILLINOIS University Urbana-Champaign, U.S.A.	ILLINOIS Univ. U.S.A.
06. 2000-03. 2001	JSPS fellowship	CRC, Hokkaido University, Japan	JSPS, Japan
04. 2001-06. 2001	Alexander Von Humboldt fellowship	Department of Chemistry, Ulm University, Ulm, Germany	Alexander Von Humboldt
07. 2002-06. 2003	Alexander Von Humboldt fellowship	Department of Chemistry, Ulm University, Ulm, Germany	Alexander Von Humboldt
15-17.01. 2005	Innovative Methods for	Sann'a University, Yemen	UNESCO

	Teaching Science at the University Level		
07.2005-09.2005	Alexander Von Humboldt fellowship	Department of Chemistry, Ulm University, Ulm, Germany	Alexander Von Humboldt
09. 2006-08. 2007	Fellowship Economic&Social	FHI der Max-Planck-Gesellschaft, D-14195 Berlin, Germany	Arab Fund for
08.2008-10.2008	Alexander Von Humboldt fellowship	Institut für Chemie, Technische Universität Chemnitz, Chemnitz, Germany	Development Alexander Von Humboldt

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### **13. Academic Awards:**

Prize of Distinction in chemistry, El-Mansoura University, 1998/1999.

### **14. Conferences:**

- a. 3<sup>rd</sup> International Conference on Chem. and its role in development, El-Mansoura, Egypt, April 1994.
- b. 4<sup>th</sup> International Conference on Chem. and its role in development, El-Mansoura, Egypt, April 1997.
- c. 2<sup>nd</sup> International Conference on electrochemistry and its application, Luxor, Egypt, February 1999.
- d. 5<sup>th</sup> International Conference on Chem. and its role in development, El-Mansoura, Egypt, April 1999.
- e. 18<sup>th</sup> Annual Conference on Corrosion Problems in Industry, Ismailia, Egypt, November 1999.
- f. Meeting of the Electrochemical Society of Japan, Tokyo, Japan, September 2000.
- g. Meeting of the Electrochemical Society of Japan (Hokkaido Branch), Sapporo, Japan, January 2001.
- h. Frontiers of Nano-scale Catalysis and Electrochemistry (CES21), Sapporo, Japan, March 2001.
- i. 52<sup>nd</sup> ISE Meeting in Duesseldorf, Germany, September 15-20, 2002
- j. 1<sup>st</sup> Spring ISE Meeting in Alicante, Spain, March 2-3, 2003.
- k. 4<sup>th</sup> International Conference on electrochemistry and its application, Aswan, Egypt, February 2004.
- l. 8<sup>th</sup> International Conference on Chem. and its role in development, Sharm El-Sheikh, Egypt, April 2005.
- m. 5<sup>th</sup> International Conference on electrochemistry and its application, Luxor, Egypt, February 2006.
- n. 9<sup>th</sup> International Conference on Chem. and its role in development, Sharm El-Sheikh, Egypt, April 2007.
- o. The Humbold Kolleg, Ismailia, Egypt, October 2007.
- p. The Humbold Kolleg On "The Advancement of Science and Technology In Africa", Assiut , March 2008.
- q. 4. Gerischer-Symposium: "Electrochemistry with spatial and temporal resolution" Berlin, June 2008.
- r. North African Conference on Computational Physics and Chemistry, Oran, Algeria, November 2008.
- s. 10<sup>th</sup> International Conference on Chem. and its role in development, Mansoura/Sharm El-Sheikh, Egypt, March 2009.

### **15. Affiliations:**

- a) The Egyptian Corrosion Society.
- b) The Egyptian Chemical Society.
- c) The Egyptian Society of Electrochemistry.

### **16. Research group:**

Mansoura University ( the year of granted Ph.D. or M.Sc. and current employer)

<b><u>Graduate Students</u></b>	<b><u>Grad</u></b>	<b><u>Year</u></b>	<b><u>Current Employment</u></b>
A.A. El-Far	Ph.D.	2000	Chemist at Nasr Fertilizer Company
M.A. Migahed	Ph.D.	2000	Researcher at Petroluem Research Center
A.M.A. Ouf	Ph.D.	2004	Lecturer, Mansoura University
M. Abd Elfattah	Ph.D.	2007	Lecturer, Suez Canal University
A.F.M. Abo El-Wafa	Ph.D.	2010	Fellow, Mansoura University
Amira Abd Elhafeez	Ph.D.		Fellow, Mansoura University
H.M. Shabanah	M.Sc.	1993	
M.A. Migahed	M.Sc.	1994	
A.A. El-Far	M.Sc.	1996	
A..A.Ouf	M.Sc.	1999	
H.S. Gadow	M.Sc.	2001	
A.F.M. Abo El-Wafa	M.Sc.	2002	
Amira Abd Elhafeez	M.Sc.	2008	Fellow, Egyptian Academy of science
Amar Awad	M.Sc.	2009	Demonstrator, Mansoura University
M. Abd El-menam	M.Sc.		

### **19. International Collaborations:**

<b><u>Name</u></b>	<b><u>Address</u></b>
Prof. D.M. Kolb	Department of Electrochemistry, Ulm University, Ulm, Germany
Prof. A. Wieckowski	RAL-Illinois University at Urbana-Champaign, U.S.A, North American Editor for <i>Electrochimica Acta</i>
Prof. R. Holze	Institut für Chemie, Technische Universität Chemnitz, Chemnitz, Germany
Prof. A.Aramata	CRC, Hokkaido university, Sapporo, Japan.
Prof. M.Eiswirth	FHI der Max-Planck-Gesellschaft, Faradayweg 4-6, D-14195 Berlin Germany.
Prof. M. Enyo	CRC, Hokkaido University, Sapporo, Japan
Prof. J. Clavilier	CNRS, Meudon, France

### **20. Research interests:**

**Fuel cells, heterogeneous electrocatalysis , corrosion and corrosion inhibition, Electrochemical surface science and Electroanalysis.**

### **21. Other recognition:**

**Associate Editor:** Global Journal of Physical Chemistry  
**Editorial board:** Global Journal of Analytical Chemistry

**Journal's reviewer:** Electrocmemistry Communications  
Surface Science  
Microporous and Mesoporous Materials  
Materials Chemistry and Physics  
J. Applied electrochemistry  
J. Solid state electrochemistry  
Portugaliae Electrochimica Acta

### **22. Mailing Address:**

#### ***(a) Permanent address:***

Department of Chemistry, Faculty of Science, El-Mansoura University,  
35516 El-Mansoura, Egypt.  
Tel:+20-50-2242388 Ext. 119  
: +20-50-2368230 (Home)  
: +20-0162511559 (Mobile)  
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Fax: +20-50-2246781 or 2246254  
E-mail: [ashafei@mans.edu.eg](mailto:ashafei@mans.edu.eg), [elshafeialaa@yahoo.com](mailto:elshafeialaa@yahoo.com)

(b) Present address:

College of Science  
King Faisal University  
P.O. Box 380, Al-Hufuf 31982  
Tel: +966 3 5800000  
Mobile: 0540222979  
Fax: +966 3 5886437  
E-mail: [aelsafei@kfu.edu.sa](mailto:aelsafei@kfu.edu.sa)

## 23. Publications

**M.Sc. Thesis;** Polarographic and spectrophotometric studies on some metal-ion organic ligand systems. El-Mansoura University (1986).

**Ph.D. Thesis;** Electrochemical studies on some metallic and organic compounds containing systems. El-Mansoura University (1990).

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### (A) Articles in Journals

1. El-Asmy, A.A., Morsi, M.A. and **El-Shafei, A.A.**  
Cobalt (II), Nickel (II), Copper (II), Zinc (II) and Uranyl (VI) complexes of Acetylacetone bis (4-phenylthiosemicarbazone).  
Transition Met. Chem., **11** (1986) 494-496.
2. El-Asmy, A.A., Morsi, M.A., and **El-Shafei, A.A.**  
Studies of bivalent metal complexes of P-chloro & P-methoxy-benzylidene-4-phenylthiosemicarbazone.  
Indian J. of Chemistry, **26A** (1987) 766-769.
3. El-Asmy, A.A., Moussa, M.N.H. and **El-Shafei, A.A.**  
Ligational behaviour of 1-(2-methoxy-4-hydroxy-benzylidene)-4-phenylthiosemicarbazone (H<sub>2</sub>V.P.T.S.) towards some dipositive metal ions.  
Bulletin De La Societe Chimique De France **No.2.** (1987) 247-249.
4. **El-Shafei, A.A.**, Abd El-Maksoud, S.A. and Moussa, M.N.H.  
Effect of some ad-atoms on the electrocatalytic oxidation of ethanol on a Pt electrode in alkaline medium.  
J. Electroanal. Chem., **336** (1992) 73-83.
5. **El-Shafei, A.A.**, Abd El-Maksoud, S.A. and Moussa, M.N.H.  
Electrocatalytic oxidation of the propanol isomers on Pt ad-atoms electrodes in alkaline medium.  
Z. Phys. Chem., **177** (1992) 211-223..
6. **El-Shafei, A.A.**, Shabanah, H.M. and Moussa, M.N.H.  
Electrocatalytic oxidation of formic acid on Pt-Binary, Ternary electrodes in

H<sub>3</sub>PO<sub>4</sub>.

J. Electroanal. Chem., **362** (1993) 159-165.

7. **El-Shafei, A.A.**, Shabanah, H.M. and Moussa, M.N.H.  
Catalytic influence of upd submonolayers of different metals on ethylene glycol oxidation on various noble metal electrodes in alkaline medium.  
J. Power Sources, **46** (1993) 17-27.
8. Helmy, A.M.A, **El-Shafei, A.A.**, Migahed, M.A. and Morsi, M.A.  
Azo-Hydrazo tautomerism: further evidence based on polarographic reduction and acidity function of some heterocyclic compounds containing oximino-group.  
Commun. Fac. Sci. Univ. Ank., **40 B** (1994) 59-72.
9. **El-Shafei, A.A.**, Ohmori, T. and Enyo, M.  
Observations on the electrochemically oriented Pt surfaces.  
J. Electroanal. Chem., **379** (1994) 247-252.
10. **El-Shafei, A.A.**  
Hydrogen adsorption and zinc UPD for surface structures Characterization of the electrochemically oriented Pt electrodes.  
J. Electroanal. Chem., **380** (1995) 269- 272.
11. Fouda, A.S., Madkour, L.H., **El-Shafei, A.A.** and Elasklany, A.H.  
Inhibitory effect of some carbazides on corrosion of aluminium in hydrochloric acid and sodium hydroxide solutions.  
Mat-Wiss u. Werkstofftech., **26** (1995) 342-346.
12. **El-Shafei, A.A.**  
Methanol oxidation at electrochemically oriented Pt electrodes in acidic medium.  
Z. Phys. Chem., **190** (1995) 231-239.
13. Fouda, A.S., Madkour, L.H., **El-Shafei, A.A.** and Abd El-Maksoud, S.A.  
Corrosion inhibitors for zinc in 2M HCl solution.  
The Korean Chemical Society, **16 (5)** (1995) 454-458.
14. Abd El-Maksoud, S.A., **El-Shafei, A.A.**, Mostafa, H.A. and Fouda, A.S.  
Inhibition of copper in 1M nitric acid with some benzoyl benzaldehyde derivatives.  
Materials and Corrosion, **40** (1995) 468-472.
15. **El-Shafei, A.A.**, Abd El-Maksoud, S.A. and Fouda, A.S.  
Noble metals / Glassy carbon modified electrodes for ethylene glycol oxidation

in alkaline medium.

J. Electroanal. Chem., **395** (1995) 181-187.

16. Clavilier, J., Klein, L.H., Vaskevich, A. and **El-Shafei, A.A.**  
Irreversibly adsorbed silver on Pt(111) and transformation of the  
electrosorption behaviour induced by thermal annealing.  
J.Chem. Soc. Faraday Trans., **92** (20) (1996) 3777-3789.
17. **El-Shafei, A.A.**, Moussa, M.N.H. and El-Far, A.A.  
Inhibitory effect of amino acids on the Al pitting corrosion in 0.1M NaCl.  
J.Appl.Electrochem. **27** (1997) 1075-1078.
18. Abd El-Maksoud, S.A., **El-Shafei, A.A.** and Fouda., A.S.  
Corrosion Inhibition of iron by 1-Benzylidene-4-Phenyl-Thiosemicarbazone  
Derivatives.  
Mat-Wiss u. Werkstofftech., **28** (1997) 439-443.
19. **El-Shafei, A.A.**  
Study of nickel UPD at polycrystalline Pt electrode and its influence on  
HCOOH oxidation in acidic and nearly neutral media.  
J.Electroanal. Chem., **447** (1998) 81-89.
20. **El-Shafei, A.A.**  
Electrocatalytic oxidation of methanol at a nickel hydroxide/glassy carbon  
modified electrode in alkaline medium.  
J. Electroanal. Chem., **471** (1999) 89-95.
21. Abd El-Maksoud, S.A., **El-Shafei, A.A.** and Fouda., A.S.  
Pitting corrosion of aluminium in halide solutions containing some anionic  
surfactants.  
Portugaliae Electrochimica Acta, **18** (1) (2000) 35.
22. **El-Shafei, A.A.**, Moussa, M.N.H. and El-Far, A.A.  
The corrosion inhibition character of thiosemicarbazide and its derivatives for  
C-Steel in hydrochloric acid solution.  
Mater. Chem. Phys., **70** (2001) 175.
23. Mohamed, A.K., **El-Shafei, A.A.**, Abo El-Wafa, A.F.M. and El-Ewady, Y.A.  
Inhibition of iron and aluminium corrosion in hydrochloric acid solutions.  
Bulletin of Electrochemistry, **17**(4) (2001) 145.
24. Fouda, A.S., **El-Shafei, A.A.** and Gadow, H.S.  
The use of chalcones as corrosion inhibitors for nickel corrosion in nitric acid  
solution.  
Portugaliae Electrochimica Acta, **20**(1) (2002) 13.

25. Migahed, M.A., **El-Shafei, A.A.**, Fouda, A.S. and Morsi, M.A.  
 "Corrosion inhibition of carbon steel in hydrochloric acid solution using barbituric acid and its substituted derivatives."  
 Egypt. J. Chem., **45(3)** (2002) 571.
  
26. **El-Shafei, A.A.**, Fouda, A.S. and Gadow, H.S.  
 The use of chalcones as corrosion inhibitors for nickel corrosion in HCl and H<sub>2</sub>SO<sub>4</sub> Solutions.  
 Korróziós Figyelő, 43(3) (2003) 95.
  
27. **El-Shafei, A.A.**, S.A. Abd El-Maksoud and Fouda, A.S.  
 The role of indole and its derivatives in the pitting corrosion of Al in neutral chloride solution.  
 Corrosion Science, **46** (2004) 579.
  
28. **El-Shafei, A.A.**, Hoyer, R., Kibler, L.A. and Kolb, D.M.  
 Methanol oxidation on Ru-modified preferentially-oriented Pt electrodes in acidic medium.  
 J. Electrochem. Soc., **151(6)** (2004) F141.
  
29. **El-Shafei, A.A.** and Aramata, A.  
 Borate adsorption at Pt(111) in acidic medium: I. Specific adsorption.  
 J. Solid Stat Electrochem., **11** (2007) 430.
  
30. Moussa, M.N.H., El-Far, A.A. and **El-Shafei, A.A.**  
 The use of water soluble hydrazones as inhibitors for the corrosion of c-steel in acidic medium.  
 Mater. Chem. Phys., **105** (2007) 105.
  
31. Ouf, A.M.A., Abd Elhafeez, A.M. and **El-Shafei, A.A.**  
 Ethanol oxidation at metal/zeolite modified electrodes in alkaline medium.  
 Part-1: Gold/zeolite modified graphite electrode.  
 J. Solid Stat Electrochem., **12** (2008) 601.
  
32. **El-Shafei, A.A.**, Taguchi, S. and Aramata, A.  
 Zinc underpotential deposition (Zn UPD) at Platinum under the influence of anions, boric acid and chloride.  
 Russian J of electrochemistry, **44 (6)** (2008) 745.
  
33. **El-Shafei, A.A.**, Abd Elhafeez, A.M. and Mostafa, H.A.  
 Ethanol oxidation at metal/zeolite modified electrodes in alkaline medium.  
 Part-2: Palladium/zeolite modified graphite electrode.  
 J. Solid Stat Electrochem., **14** (2010) 185.

34. **El-Shafei, A.A.**, and Markus, E.  
Electrochemical activity testing with Sn modified Pt single crystals for ethanol oxidation in acidic media.  
Surf. Sci., **604** (2010) 862.
  
35. **El-Shafei, A.A.**, Awad, A. and Ouf. A.M.A  
Influence of CeO<sub>2</sub> on the activity of Pt/GC electrode towards ethylene glycol oxidation in alkaline solution.  
J. Appl. Electrochem., Submitted.
  
36. A.M.A. Ouf, A.A. Ibrahim and **A.A. El-Shafei**  
The reactivity of Pt/WO<sub>3</sub>/GC electrode towards ethylene glycol oxidation in 0.1M H<sub>2</sub>SO<sub>4</sub>.  
J. Catalysis, Submitted.
  
37. **El-Shafei, A.A.** and Ouf, A.M.A  
Preparation of Pd-Au alloy incorporated in Zeolites modified graphite electrodes.  
Electrochem. Communication, submitted.
  
38. **El-Shafei, A.A.** and Ouf, A.M.A  
Influence of the sequence of the incorporation of Pd-Au particles into Zeolites matrix on ethanol electrooxidation in alkaline medium.  
J. Electrochem. Soc., submitted.
  
39. **El-Shafei, A.A.**, and Markus, E.  
Activity of Sn- modified preferentially-oriented Pt electrodes towards ethanol oxidation in 0.1M H<sub>2</sub>SO<sub>4</sub>.  
In preparation
  
40. **El-Shafei, A.A.**, Ouf. A.M.A and Holze, R.  
Electro-oxidation of methanol at Pt/Sepiolite/GC electrode in NaOH solution.  
In preparation
  
41. **El-Shafei, A.A.**, Mostafa, H.A. and Awad, A.  
Reactivity and stability of SnO<sub>2</sub>/Pt/GC electrode for ethylene glycol oxidation in 0.1M NaOH.  
In preparation

#### **(B) Contribution to academic conferences**

42. **El-Shafei, A.A.**, Migahed, M.A. and Helmy, A.M.A.  
Cyclic voltammetric studies on barbituric, 1,3-dimethyl barbituric and 5-phenylazobarbituric acid.



4<sup>th</sup> International Conference on Chem. and its role in development,  
El-Mansoura, Egypt, April 1994.

43. Mostafa, H.A., **El-Shafei, A.A.** and Fouda, A.S.  
Anodic dissolution of nickel in acid chloride solutions.  
4<sup>th</sup> International Conference on Chem. and its role in development,  
El-Mansoura, Egypt, April 1997.
44. Abd El-Maksoud, S.A., **El-Shafei, A.A.** and Fouda., A.S.  
3-Arylazo-pentane-2,4-dione derivatives as corrosion inhibitors for aluminium  
in HCl solution.  
4<sup>th</sup> International Conference on Chem. and its role in development,  
El-Mansoura, Egypt, April 1997.
45. Helmy, A.M.A., **El-Shafei, A.A.**, Ouf, A.F. and Morsi, M.A.  
Electrochemical reduction of some  $\beta$ -diketons at the DME and its acid  
dissociation constant.  
4<sup>th</sup> International Conference on Chem. and its role in development,  
El-Mansoura, Egypt, April 1997.
46. **El-Shafei, A.A.**  
Electrocatalytic oxidation of methanol at nickel hydroxide/glassy carbon  
modified electrode.  
2<sup>nd</sup> International Conference on electrochemistry and its application, Luxor,  
Egypt, February 1999.
47. **El-Shafei, A.A.**, Helmy, A.M.A., Ateya, M. and Fouda, A.S.  
Barbituric acid derivatives as corrosion inhibitors for aluminium dissolution  
in acid chloride solution.  
5<sup>th</sup> International Conference on Chem. and its role in development,  
El-Mansoura, Egypt, April 1999.
48. **El-Shafei, A.A.**, Gadow, H.M. and Fouda, A.S.  
Corrosion inhibition of nickel in acidic media.  
5<sup>th</sup> International Conference on Chem. and its role in development,  
El-Mansoura, Egypt, April 1999.
49. **El-Shafei, A.A.**, Helmy, A.M.A., Ouf, A.F. and Morsi, M.A.  
Polarographic and spectrophotbehaviour of 3-phenylazo-3-beethylpyrovate.  
5<sup>th</sup> International Conference on Chem. and its role in development,  
El-Mansoura, Egypt, April 1999.
50. **El-Shafei, A.A.**, Moussa, M.N.H. and El-Far, A.A.  
Inhibitory effect of amino acids on the Al pitting corrosin in 0.1M NaCl.

18<sup>th</sup> Annual Conference on Corrosion Problems in Industry, Ismailia, Egypt, November 1999.

**51. El-Shafei, A.A.**

Study of Nickel UPD at polycrystalline Pt electrode in acidic and nearly neutral media.

Meeting of the Electrochemical Society of Japan, Tokyo, Japan, September 2000.

**52. El-Shafei, A.A. and Aramata, A.**

Specific adsorption of borate at Pt(111) in acidic solution.

Meeting of the Electrochemical Society of Japan (Hokkaido Branch), Sapporo, Japan, January 2001.

**53. El-Shafei, A.A. and Aramata, A.**

Specific adsorption of borate at Pt(111) and the effect of borate adsorption on Zn and Ni upd in acidic medium.

Frontiers of Nano-scale Catalysis and Electrochemistry (CES21), Sapporo, Japan, March 2001.

**54. El-Shafei, A.A., Aramata, A and Taguchi, S.**

Specific adsorption of Borate and its effect on Zn UPD at Pt(111) in acidic media: In comparison with those of phosphate.

52<sup>nd</sup> ISE Meeting in Duesseldorf, Germany, September 2002.

**55. Aramata, A., Taguchi, S. and El-Shafei, A.A.**

Oxoacid adsorption induced on Zn underpotential deposition and specific adsorption of borate on Pt(111).

1<sup>st</sup> Spring ISE Meeting in Alicante, Spain, March 2003.

**56. El-Shafei, A.A.**

Methanol oxidation on Ru-modified preferentially oriented Pt surfaces in acidic medium.

4<sup>th</sup> International Conference on electrochemistry, Aswan, Egypt, February 2004.

**57. El-Shafei, A.A. and Fouda, A.S.**

The influence of some N-containing heterocyclic compounds on the Pitting Corrosion of Al in Neutral Chloride Solution.

8<sup>th</sup> International Conference on Chem. and its role in development, Sharm El- Sheikh, Egypt, April 2005.

**58. El-Shafei, A.A. and Aramata, A.**

Specific Adsorption of Borate and Its Effect on Zinc Underpotential Deposition at Pt(111) in Acidic Media.

5<sup>th</sup> International Conference on electrochemistry and its application, Luxor, Egypt, February 2006.

59. Morsi; M.A., **El-Shafei, A.A.**, Helmy, A.M.A. and Oauf, A.M.  
Differential pulse anodic stripping voltammetry determination of trace mercury using rotating gold disc electrode  
9<sup>th</sup> International Conference on Chem. and its role in development, Sharm El-Sheikh, Egypt, April 2007.
60. Morsi; M.A., **El-Shafei, A.A.**, Oauf, A.M. and El-Khawaga, O.M.  
Simultaneous Determination of Copper, Lead, Cadmium and Zinc Using Differential Pulse Anodic Stripping Voltammetry  
9<sup>th</sup> International Conference on Chem. and its role in development, Sharm El-Sheikh, Egypt, April 2007.
61. **El-Shafei, A.A.**, Ouf, A.M. and Abd Elhafeez, A.M.  
Ethanol oxidation at noble metal/zeolite modified electrodes in alkaline medium.  
North African Conference on Computational Physics and Chemistry (NAC-CPC'08), Oran, Algeria, November 2008.
62. El-Shafei, A.A.  
10<sup>th</sup> International Conference on Chem. and its role in development, Sharm El-Sheikh, Egypt, March 2009.