**CURRICULUM VITE**

***I. Personal Information:***

**Name : Mohamed Mahmoud Mohamed Abd El-Wahab.**

**Date of Birth : 22 - 5 - 1960.**

**Place of Birth : Assiut, Egypt.**

**Nationality : Egyptian.**

**Marital Status : Married.**

**Profession : Professor of Physical Chemistry.**

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***II. Educational background and degree obtained:***

**a- B. Sc. (Chemistry), Assiut University, (1981).**

**b- M. Sc. (Physical Chemistry), Assiut University, (1986).**

**c- Ph. D. (Physical Chemistry), Assiut University, (1989).**

***III. Position held and experience:***

**a- Demonstrator (1981 – 1986), Chemistry Dept., Assiut University.**

**b- Lecturer Assistant (1986 – 1989), Chemistry Dept., Assiut University.**

**c- Lecturer (1989 – 1995), Chemistry Dept., Assiut University.**

**d- Assistant Prof. (1995 - 2011), Chemistry Dept., Assiut University.**

**c- Professor (2011 till Now), Chemistry Dept., Assiut University.**

**F- Head of Chemistry Section, Sugar Technology Research Institute, Assiut University.**

***IV. Present research and activity:***

**a- Heterogeneous Catalysis.**

**b- Surface Chemistry.**

**c- Solid State.**

***V. Post-Doctor fellowships:***

**International Seminar financed by the German Academic Exchange Agency (DAAD) at the "Institute für Chemische Verfahrenstechnik "Karlsruhe University, Karlsruhe, Germany, May2000 – August2001.**

**LIST OF PUBLICATIONs**

*Presented* ***By***

**Prof. Dr. Mohamed Mahmoud Mohamed Abd El-Wahab**

1. **Electrical conductivity studies on zinc – iron oxide catalysts.**

**K.M.Abd El-Salam, E.A. Hassan, A.A. Said and M.M. Mohamed, Bul. Fac. Sci., Assiut Univ. 16 (1), 11 (1986).**

1. **Nitrogen adsorption studies on ZnO-Fe2O3 oxide catalysts.**

**K.M.Abd El-Salam, E.A.Hassan, A.A.Said and M.M.Mohamed, Bul. Fac. Sci., Assiut Univ. 17 (1)2911 (1988).**

1. **Influence of iron ion addition on the thermal decomposition of basic zinc carbonate.**

**A.A. Said, K.M. Abd El-Salam, E.A. Hassan, and M.M. Mohamed,**

**J.Thermal Analysis, 36,1331 (1990).**

1. **Catalytic decomposition of iso-propyl alcohol over ZnO-Fe2O3 systems.**

**A.A. Said, K.M. Abd El-Salam, E.A. Hassan, and M.M. Mohamed,**

**J. Serb. Chem. Soc., 57(2), 113(1992).**

1. **Arylidene polymers-xxii. Thermogravimetric and kinetic analyses of non-isothermal decomposition of organometallic arylidene polyester.**

**Mohamed M.M. Abd El-Wahab and Mohamed A. Abd-Alla,**

**High Perf. Poly., 4(4), 215 (1992).**

1. **A study on the thermal decomposition of iron-cobalt mixed hydroxides.**

**A.A. Said, K.M. Abd El-Salam, E.A. Hassan, A.M. El-Awad and M.M. Mohamed.**

**J. Thermal Anal., 30, 309 (1993).**

1. **Arylidene polymers-xv. Synthesis and thermal behaviour of organometallic arylidene polyesters containing ferrocene derivatives in the main chain.**

**Mohamed M. Abd-Alla, Maher F. El-Zohry, Kamal I. Ali and Mohamed M.M. Abd El-Wahab.**

**J. Appl. Polym. Sci., 47 (2), 323 (1993).**

1. **Kinetic analysis of the thermal decomposition of γ–irradiated nickel oxalate.**

**R.M. Mahfouz and M.M.M. Abd El-Wahab.**

**Radiation Phys. and Chem., 43, 299 (1993).**

1. **Arylidene polymers xxi. Thermal decomposition parameters of new diarylidencycloalkanones organophosphorus polymers.**

**Mohamed M. Abd-Alla and Mohamed M.M. Abd El-Wahab.**

**Thermochimic. Acta, 222, 255 (1993).**

1. **Thermal and electrical studies on some metal alginate compounds.**

**A.A. Said, M.M.M. Abd El-Wahab and R.M. Hassan**

**Thermochimic. Acta, 233. 13 (1993).**

1. **Effects of various atmospheres and some metal oxide additives on the thermal decomposition of ammonium chromate.**

**A.A. Said and M.M.M. Abd El-Wahab.**

**J. Thermal Anal., 42, 1265 (1994).**

1. **Structural changes and surface properties of CoxFe3-xO4 spinels.**

**A.A. Said, E.A. Hassan, A.M. El-Awad, K.M. Abd El-Salam and M.M.M. Abd El-Wahab.**

**Chem. Technol. Biotechnol., 60, 161 (1994).**

1. **Structure and electronic effects of cobalt ferrites, CoxFe3-xO.**

**K.M. Abd El-Salam, A.A. Said, E.A. Hassan, A.M. El-Awad, and M.M.M. Abd El-Wahab.**

**Colledt. Czech. Chem. Commun., 59, 1939 (1994).**

1. **Influence of the formation of aluminium spinel, AlVO4, on the catalytic activity of V2O5 supported on γ –alumina.**

**M.M.M. Abd El-Wahab and A.A. Said and.**

**Colledt. Czech. Chem. Commun., 59, 1983 (1994).**

1. **Structures accompanying solid-solid interactions in the V2O5-MgO system.**

**A.A. Said and M.M.M. Abd El-Wahab.**

**Thermochimic. Acta, 249, 313 (1995).**

1. **Thermal decomposition kinetics of new unsaturated polyesters.**

**M.M.M. Abd El-Wahab.**

**Thermochimic. Acta, 256, 271 (1995).**

1. **Oxidative dehydrogenation of ethanol over vanadium pentaoxide supported on magnesia.**

**A.A. Said and M.M.M. Abd El-Wahab.**

**Chem. Technol. And Biotechnol., 63, 78 (1995).**

1. **Gamma irradiation effects on the electrical conductivity behaviour and thermal decomposition induction period in nickel oxalate.**

**M.M.M. Abd El-Wahab and R.M. Mahfouz.**

**Thermochimic. Acta, 274, 281 (1996).**

1. **Esterification of acetic acid by ethyl alcohol on supported ammomium molybdate catalysts.**

**A.A. Said, M.M.M. Abd El-Wahab, S. Shwell and M. Yasein.**

**First International Symposium on Sugar & Integrated Industries Present & Future, December 17 – 19, 1996, Luxor, Egypt.**

1. **Effects of cobalt oxide – iron oxide ratios on the catalytic activity of**

**cobalt ferrite spinel catalysts.**

**A.A.Said, K.M.Abd El-Salam, E.A.Hassan, A.M. El-Awad and M.M.M. Abd El-Wahab.**

**7th International Conference on Ferrite, September 3 – 6, 1996, Bordeaux, France. J. De Physique, 7(1997).**

1. **Study on the alkali metal-promoted V2O5 supported on silica used as a catalyst for the esterification of acetic acid with ethyl alcohol.**

**A.A. Said, M.M.M. Abd El-Wahab and G.A. El-Shobaky,**

**Oxid. Commun., 72: 402-412 (2004).**

1. **Structural and catalytic activity of V2O5–supported on AlPO4 catalysts.**

**M.M.M. Abd El-Wahab, A.A. Said and Sh.S. El-Shihry,**

**Montashefte fur Chemie 135: 357-370 (2004).**

1. **Phosphomolybdic acid supported on silica gel and promoted with alkali metal ions as catalysts for the esterefication of acetic acid by ethanol.**

**M.M.M. Abd El-Wahab and A.A. Said**

 **J. Mol. Catal. 240: 109-118 (2005).**

1. **Effect of Support and Acidity of the Catalyst on the Gas-Phase Esterification of Acetic Acid with Ethanol.**

**A.A.Said, M.M.M. Abd El-Wahab and A.M.Alian**

**7th International Symposium on Catalysis Applied to Fine Chemicals, October 23-27,2005,Bingen/Mainz,Germany.**

1. **Preparation, Characterization and Activity of Molybdena Supported on Aluming Catalysts**

**A.A.Said, M.M.M. Abd El-Wahab and S.A. Mssauod,**

**7th International Symposium on Catalysis Applied to Fine Chemicals, Oct. 23-27,2005, Bingen/Mainz, Germany.**

1. **Texture Characterization of Phosphotungestic Acid Supported on Silica.**

**M.M.M. Abd El-Wahab, A.A. Said and A.M. Alian.**

**7th International Symposium on Catalysis Applied to Fine Chemicals, Oct. 23-27,2005, Bingen/Mainz, Germany.**

1. **The Effects of Aluminas Supported Vanadia on Surface Sites for Dehychation-Dehydrogenation of Ethyl Alcohol.**

**M.M.M. Abd El-Wahab, A.A. Said and M. Hassam**

**7th International Symposium on Catalysis Applied to Fine Chemicals, Oct. 23-27,2005, Bingen/Mainz, Germany.**

1. **Surface properties and catalytic behavior of MoO3/SiO2 in esterification of acetic acid with ethanol.**

**A.A. Said and M.M.M. Abd El-Wahab**

**J. Chem. Technol. Biotechnol. 81: 329-335 (2006).**

1. **Catalytic esterification of acetic acid with ethyl alcohol over molybdenum oxide supported on alumina.**

**M.M.Abd El-Wahab and A.A.Said**

**International conference on : "“World Perspectives for Sugar Beet and Cane as a Food and Energy Crop” , 4-7 March 2007, Sharm El Sheikh, Egypt .**

1. **Catalytic Performance of BrØnsted Acid Sites During Esterification of Acetic Acid With Ethyl Alcohol on Phosphotungestic Acid Supported on Silica.**

**A.A. Said, M.M.M. Abd El-Wahaband Alian Mohamed Alian**

**J. Chem. Technol. Biotechnol. 82: 513-523 (2007).**

1. **Effect of Brønsted Acid Sites Added by Supporting V2O5 on Alumina on the Dehydrogenation of Ethyl Alcohol**

 **M. M. M. Abd El-Wahab and A. A. Said**

**VIII International Symposium on Catalysis Applied to Fine Chemicals,**

**Pallanza – Verbania (Italy) – 16 -20/9/2007.**

1. **New Approach on the Catalytic Activity and Selectivity of Egyptian Natural Red Clay**

 **Abd El-Aziz A. Said, Mohamed M. M. Abd-Wahab and Hassan A.soliman**

**VIII International Symposium on Catalysis Applied to Fine Chemicals, Pallanza – Verbania (Italy) – 16 -20/9/2007.**

1. **A pronounced catalytic activity and selectivity of acidic sites of phosphotungestic acid supported on silica gel catalysts.**

**A.A.Said, M.M.M.Abel El Wahab and A.M.Alian**

**Taibah international chemistry conference-2009 March 23-25,2009 ,Taibah University Al-Madinah Al-Munawarah, Saudi Arabia.**

1. **The V4+/V5+ Balance as a Main Role for Dehydration- Dehydrogenation of Isopropyl Alcohol in the ZnO-V2O5 Catalysts.**

**Mohamed Mahmoud Mohamed Abd El-Wahab**

**Assiut Univ., j. of Chemistry 40: 15-27 (2011).**

1. **Development Kraft pulping of bagasse by using soda-quinones derivatives.**

**Abd El-Aziz A. Said, Soud A.M. Metwally, Mohamed M. Abd El-**

**Wahab and Yahya G.E. Faris.**

**Egyptian Sugar Journal, Sugar Technology Research Institute (STRI), Assiut University, Vol. 4, june 2011.**

1. **Potential Application of Propionic Acid Modified Sugarcane Bagasse for Removing of Basic and Acid Dyes from Industrial Wastewater.**

**Abdel El-Aziz A. Said\*, Aref A. M. Aly1, Mohamed M. Abd El-Wahab1, Soliman A. Soliman1, Aly A.Abd El-Hafez1, V.Helmey2, Mohamed N.Goda1**

**2010 International conference on environmental engineering and applications (ICEEA 2010) September 10-12, 2010, Singapore, proceedings (2010) 154- 156.**

**Resources and Environment 2012, 2(3): 93-99.**

1. **Application of modified bagasse as a biosorbent for reactive dyes removal from industrial wastewater**

 **A.A. Said, Aref A.M.Aly, Mohamed M. Abd El-Wahab, Soliman A. Soliman, Aly .A.Abd El-Hafez, V.Helmeyand Mohamed N. Goda**

**International conference on new role for the world sugar economy in a changed political and economic environmental 5-8 March 2011, Aswan, Egypt (2011).**

1. **Potential application of propionic acid modified sugarcane bagasse for removal of basic and acid dyes from industrial wastewater**

**A. A. Said, A. A. M. Aly, M. M. M. Abd El-Wahab, S. A. Soliman, A. A. Abd El-Hafez, V. Helmey, M. N. Goda**

 **Resources and Environment 2(3) (2012) 93-99.**

1. **Application of Propionic Acid Grafted Sugar Cane Bagasse for Removal of Reactive Dyes from Industrial Wastewater.**

**Abdel-Aziz A. Said, Mohamed M. Abd El-Wahab and Aref A.M. Aly.**

**25th National Chemistry Congress with International Participation, 27.06l/02.07.2011, Erzurum, Turkey.**

1. **Application of modified bagasse as a biosorbent for reactive dyes removal from industrial wastewater.**

**Abd El-Aziz A.Said, Aref A.M.Aly, Mohamed M. Abd El-Wahab, Soliman A. Soliman, Aly. A. Abd El-Hafez, V.Helmey and M. N. Goda**

**Journal of Water Resource and Protection 5 (2013) 10-17 .**

1. **An efficient biosorption of direct dyes from industrial wastewaters using pretreated sugarcane bagasse.**

**Abd El-Aziz A.Said, Aref A.M.Aly, Mohamed M. Abd El-Wahab, Soliman A. Soliman, Aly. A. Abd El-Hafez, V.Helmey and M. N. Goda**

**Energy and Environmental Engineering 1(1) (2013) 10-16.**

1. **Synthesis and structural characterization of nano CuO-NiO mixed oxides.**

**Abd El-Aziz A.Said, Mohamed M. Abd El-Wahab, Soliman A. Soliman and M. N. Goda**

**Nanoscience and Nanoengineering 2 (1) (2014) 17-28.**

1. **A new approach on the catalytic synthesis of n-butyl acetate over Egyptian natural clay**

**Abd El-Aziz A.Said, Aref A.M.Aly, Mohamed M. Abd El-Wahab, Aly. A. Abd El-Hafez and M. N. Goda**

**The Seventh Tokyo Conference on Advanced Catalytic Science and Technology (*TOCAT7*), 1-6, June 2014, short communication.**

1. **The catalytic performance of sulfated zirconia in the dehydration of methanol to dimethyl ether**

**A.A. Said, M.M. Abd El-Wahab, M. Abd El-Aal**

 **J. Mol. Catal. A: Chem. 394 (2014) 40-47.**