



## **Dr.ABDUL RAZAK MOHAMED SIKKANDER**

**Designation:** Assistant Professor-III & Head

**Address Office:** Department of Chemistry, Velammal Engineering College, Chennai-600 066

**Phone No:** +914426590579, +914426591860

**Residence:** 227/A ,Rani Illam, V.G.P Nagar, Mugappair West-600 037

**Mobile:** +919655219999

**Email** [ams240868@gmail.com](mailto:ams240868@gmail.com) [dr.mohamedsikkander@velammal.edu.in](mailto:dr.mohamedsikkander@velammal.edu.in)

### Educational Qualifications:

From (MM/YY)	To (MM/YY)	Universities/Institutions Attended	Country	QUALIFICATIONS ATTAINED (for PhD and Masters degree, state field of study)
11/2005 05/2003	02/2012 05/2005	PERIYAR UNIVERSITY,SALEM BHARATHIDASAN UNIVERSITY,TRICHY	INDIA INDIA	Ph.D., IN CHEMISTRY M.Phil ., IN CHEMISTRY
06/1991	04/1993	ANNAMALAI UNIVERSITY.CHIDAMBARAM	INDIA	B.Ed IN PHYSICAL SCIENCE
06/1989	04/1991	JAMAL MOHAMED COLLEGE,TRICHY	INDIA	M.Sc IN CHEMISTRY
06/1985	10/1988	JAMAL MOHAMED COLLEGE,TRICHY	INDIA	B.Sc IN CHEMISTRY

## **Experience:**

### **7. ASSISTANT PROFESSOR-III & HEAD**

**VELAMMAL ENGINEERING COLLEGE** June 2011 – Present ( 7 years 1 month)

I am **Dr. A.MOHAMED SIKKANDER** is working as a Assistant Professor in chemistry, Department of chemistry, Velammal Engineering College, Chennai, INDIA. I am passionate, innovative, enthusiastic and curious to teach Inorganic chemistry, Organic chemistry Electro chemistry, Analytical chemistry, and polymer chemistry. At present in my college, I am teaching Engineering Chemistry-I, Engineering Chemistry-II, Environmental Science and Engineering and its practical's for my Students and produced best results in my career. I believe the

most important thing I can do to help my students learn is to come to every class with enough creative preparation and organization so that I may present an engaging, coherent and intuitive lecture.

#### **6.ACADEMIC COORDINATOR**

##### **VELAMMAL MATRIC SCHOOL**

October 2009 – June 2011 (1 year 9 months)

#### **5.SENIOR PRINCIPAL LEADERS MATRIC SCHOOL**

April 2007 – October 2009 (2 years 7 months)Karaikkudi , India

In my academic permanent status when i was served as a Senior Principal in a upcoming school of The leaders Matriculation Higher Secondary school which is positioned at karaikudi i stamped centum results .

#### **Principal**

#### **4.Vidhyaa Vikas Boys Higher Secondary School**

June 2002 – April 2007 (4 years 11 months)Thiruchengode

Apart from my research and academics when i was worked as a Principal in a renowned school of vidhyaa vikas which is located at Thiruchengode i produced remarkable results in my educational history.

#### **3.PGT in Chemistry**

##### **Saraswathi Vidhyaa Nikethan Higher Secondary School**

June 2001 – May 2002 (1 year)Kongampalayam-Erode

#### **PGT in Chemistry**

##### **St.Johns International Residential(C.B.S.E) School**

May 2000 – May 2001 (1 year 1 month)Pazhansur Chennai Area, India

#### **2.PGT in Chemistry**

##### **Bhavans Gandhi Vidhyasram(C.B.S.E) School**

October 1998 – April 2000 (1 year 7 months)Kodaikkanal

#### **1. PGT in Chemistry**

##### **Seshasayee Paper Board Higher Secondary School**

July 1994 – September 1998 (4 years 3 months)S.P.B.Colony Erode India

Here only I started to recognize and seeded my innovative and Inspired Chemistry Teaching !

## **Publications:**

### **Journals:**

**1. Electrochemical Determination of Calcium Channel Blocker Drugs using Multiwall Carbon Nano tubes modified glassy carbon electrode ABDUL RAZAK MOHAMED SIKKANDER, CHINNAPPIYAN VEDHI and PARAMASIVAM MANISANKAR**

**SPRINGER-OPEN IJIC** November 5, 2012

Multiwall carbon nanotubes (MWCNT) are believed to be favorable for the reduction and oxidation of electroactive species towards cathodic and anodic direction with the simultaneous enhancement of the peak current. The prepared electrode showed an excellent electrocatalytic activity towards the oxidation of antihypertensive drugs leading to a remarked improvement in sensitivity.

**2. Cyclic Voltammetric determination of 1, 4-Dihydro pyridine drugs using MWCNTs modified glassy carbon electrode**

**Der Chemica Sinica Volume 3: Issue 2: 2012** March 19, 2012

MWCNTs are believed to be favorable for the oxidation of electroactive species towards cathodic direction with the simultaneous enhancement of the peak current. The prepared electrode showed an excellent electrocatalytic activity towards the oxidation of antihypertensive drugs leading to a marked improvement in sensitivity. The MWCNTs modified GCE exhibited a sharp anodic peak around 0.6 V peak. ....

**3. Nanotechnology- Impacting in Life science and Technology**

**International Journal of Scientific & Engineering Research, Volume 4, Issue 4, April-2013 ISSN 2229-5518** April 24, 2013

One of the most pressing issues facing nanoscientists and technologists today is that of communicating with the non-scientific community. As a result of decades of speculation, a number of myths have grown up around the field, making it difficult for the general public, or indeed the business and financial communities, to understand what is a fundamental shift in the way we look at our...

**4. Electrochemical biosensors-A Review(Link) Annalen der Chemischen Forschung Vol-2: No-1: 36-40: 2014** April 30, 2014

Electrochemical biosensors-A Review

Mohamed Sikkander A

Department of Chemistry, Velammal Engineering College, Chennai-600018, Tamil Nadu, India

Abstract

A biosensor typically consists of a bio-recognition component, biotransducer component, and electronic system which include a signal amplifier, processor, and display. Over the past decades several sensing concepts and related devices..

## **5. Electrochemical Stripping Studies of Amlodipine Using Mwcnt Modified Glassy Carbon Electrode(Link)**

Chemistry and Materials Research [www.iiste.org](http://www.iiste.org) ISSN 2224- 3224 (Print) ISSN 2225- 0956 (Online) Vol 1,

No.1, 2011 April 24, 2011

The voltammetric behaviour of amlodipine was studied on multiwall carbon nanotubes (MWCNT) modified glassy carbon electrode. The oxidation of amlodipine is irreversible and exhibits a diffusion controlled process which is pH dependent. The oxidation mechanism was proposed in this work. The dependence of the current on pH, the concentration and nature of buffer, and scan rate were investigated.....

## **6. Review on Inorganic Nano crystals unique benchmark of Nanotechnology**

**Moroccan Journal of Chemistry** December 29, 2013

Review on Inorganic Nano crystals unique benchmark of Nanotechnology

A. Mohamed Sikkander 1, N. Shawl Nasri2

1 Department of Chemistry, Velammal Engineering College, Chennai, Tamil Nadu, India

2 Director, UTM-MPRC Institute for Oil and Gas, Energy Research Alliance, Research

University, Universiti Teknologi Malaysia, 81310 UTM Johor Bahru, Johor

MALAYSIA. Received 15 Dec 2014, Revised 29 Dec.....

**7. Utilization of sodium montmorillonite clay for enhanced electrochemical sensing of amlodipine** A Mohamed Sikkander<sup>a</sup>, C Vedhi<sup>b</sup> & P Manisankar<sup>c</sup>, \* Indian Journal of Chemistry Vol. 55A, May 2016, pp. 571-575

## **Books:**

**1. Computational chemistry by Dr .A.Mohamed Sikkander &Dr. Nuha Binti Loling Othman, (M/s Jain Brothers ,16/873, East Park Road, Karol Bagh, Near Dr. N.C. Joshi Hospital, New Delhi-110 005) ISBN 9788183602198**

**2. Organic Reactions and their Mechanisms by Dr .A.Mohamed Sikkander & Dr.Noor Shawal Nasri(Malaysia)( VIVA Books Pvt. Ltd.(Publishers & Distributors), 4737/23, Ansari Road, Dariyaganj, New Delhi 110002. ISBN 9788130934013**

**3. Basic concepts in Medicinal Chemistry by Dr .A.Mohamed Sikkander (Noor Publications, Bahnhofstraße 2866111 Saarbrücken , Germany). ISBN-13: 978-3330853768**

**4. Petroleum Chemistry by Dr .A.Mohamed Sikkander (Noor Publications, Bahnhofstraße 2866111 Saarbrücken , Germany). ISBN-13: 978-6202340571 .**

**5. Medicinal Chemistry and Pharmaceutical Chemistry by Dr .A.Mohamed Sikkander (Noor Publications, Bahnhofstraße 2866111 Saarbrücken , Germany). ISBN-13: 978-6202342568;**