

Curriculum Vitae



ZUBAIR MACHERI ABDULLA

Permanent Address

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Date of birth 11-04- 1960 **Sex** Male

Marital Status Married

Educational qualifications

Degree	year	University	Subjects	Class
Ph.D (Tech)	1991	Institute of Chemical Technology Mumbai	Tech. of Pharmaceuticals & fine chemicals	
M Sc (Tech)	1985	do	do	First
B Sc (Tech)	1983	do	do	do
B Sc	1980	University of Calicut	Chemistry	do

Experience

Position held	Institution	From	To	Nature of job
Asso. Professor	Regionl College	Jun 2016	present	UG Teaching
Asst Professor	ASharquiyya	Feb 2014	June 2014	UG Teaching
Visiting Faculty	University, Oman			
Asso. Professor	PSMO College	Jan 2013	May 2016	UG & PG Teaching
Principal	PSMO College	Sept. 2012	Jan 2013	Administrative & PG teaching
Asso. Professor	PSMO College	Sept. 2008	Aug 2012	-do-

Asst. Professor	PSMO College	Sept. 1996	Aug 2008	UG & PG Teaching
R&D Scientist	Plama Laboratories	Mar 1995	Aug 1996	Industrial Research
R&D Chemist	Malabar Organics Ltd	Nov 1991	Sept 1993	Industrial Research
R&D Chemist	Sekhsaria Chemicals Mumbai	Oct 1985	Mar 1986	Industrial Research

Courses developed

B Sc Industrial Chemistry course was developed for the University of Calicut based on the UGC guidelines and the course was conducted in our college with financial support from UGC for five years. The course was designed, amalgamating the fundamental components of chemical engineering and chemistry. Students were given thorough laboratory training in synthetic and analytical chemistry and consequently they were absorbed in industries and pursued higher studies in highly reputed institutions in India and abroad.

Projects undertaken

1. Synthesis of ibuprofen, an anti inflammatory drug, as a part of the B Sc (Tech)
2. Synthesis of naproxen, anti inflammatory drug, as a part of the M Sc (Tech)
3. Studies in the Synthesis of drugs- Design & synthesis of tetrafunctional alkylating agents as potential anticancer agents, as part of Ph D programme
4. Synthesis of atenolol(antihypertensive)- process development to suit industrial viability
5. Synthesis of omiperazole intermediate-industrial research
6. Norfloxacin manufacture- industrial research
7. Two Minor research projects by University Grants Commission
8. Cyclohexanone- formaldehyde resin — a novel synthetic method

Research achievements [*Most of the work was carried out as part of industrial research and hence was not published*]

1. Regio-selectivity of a Friedel-Crafts reaction to the order of 99:1 for the substitution in the naphthalene ring was achieved. The reaction is industrially important in the manufacture of Naproxen
2. Process development of intermediates of norfloxacin-improvement in yield and purity.
3. Development of a novel technique for the crystallization of norfloxacin without dissolution.

4. Synthesis of atenolol —Development of a catalyst for the amino-condensation.
5. Development of industrial process for the manufacture of cyclohexanone - formaldehyde resin directly as beads, as per the market demand.
6. Development of a high yielding process for the conversion of a tetra ester exclusively to a tetra alcohol
7. Development of a water analysis kit suitable to be used in the field

No of research publications:

Three papers were published in international journals.

1. Studies on the sorption capacity for Pb(II) and Hg(II) of citralidene chitosan P. Alikutty V. M. Abdul Mujeeb **M. A. Zubair** K. Muraleedharan P. Mujeeb Rahman Polym. Bull. (2014) 71:1919-1932
2. Synthesis of Bis-Pyrrole Tetra Esters and Alcohols as Novel Mimetics of the Anticancer Mitomycin **Zubair M. Abdulla**,* Radhakrishnan P. Iyer, Krishnamachari G. Akamanchi, Mariam S. Degani, and Evans C. Coutinho J. Heterocyclic Chem., 48, 38 (2011).

Positions held in academic bodies

- (a) Chairman, Board of studies for pharmaceuticals-University of Calicut-2002 -'05
- (b) Chairman, Board of examinations for B Sc industrial chemistry, University of Calicut-1999-2000
- (c) Chairman, board of question paper setters for B Sc industrial Chemistry, Kannur University, during 2001-2003
- (d) Member, Board of studies for pharmaceuticals, University of Calicut during 1998-2001
- (e) Member, Board of examinations for B. Sc (Costume and Fashion Design)
- (f) Member, Board of examinations for B. Sc (Printing Technology)
- (g) Member Faculty of Science, University of Calicut. 2002 -'05
- (h) Chief Examiner, P G Board of Examinations in Chemistry. University of Calicut