

SUMMARY OF CURRICULUM VITAE

NAME : Dr. Aadika Swaroopa Rani (A.S.Rani)

HIGHEST QUALIFICATION : Ph.D (Awarded in 1998 from OU)

SUBJECT: Chemistry

SPECIALIZATION : Organic

AREA OF RESEARCH : Worked in the field of Enzyme Technology, specifically on enzyme amyloglucosidase, which is used for enzymatic production of glucose from starch. Glucose is having lot of demand in food and medicinal industries.

RESEARCH PUBLICATIONS : Seven research papers were published in various national and international journals. Another four research papers are communicated.

COURSES CAPABLE OF TEACHING : General chemistry, Organic chemistry, Engineering chemistry, Bio-chemistry and Medicinal chemistry at under graduate and graduate levels

TOTAL YEARS OF EXPERIENCE : 20 years (7 years at school level, 9 years as Assistant professor and 4 years as online tutor for 10+2 and college level students).

CURRENT DESIGNATION : Working as Assistant Professor of chemistry at OSMANIA UNIVERSITY which is one of the top government universities in India.

(From 07 Sept, 2013 onwards)

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AGE : 49 years

SEX : Female

CURRICULUM VITAE

AADIKA SWAROOPA RANI

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A Ph.D degree in Chemistry (Enzyme technology). Worked as a Research Scholar in the Dept. of Chemistry, Osmania University, Hyderabad, India. Worked as **Higher Secondary School teacher for 2 years in Eritrea**(North-East Africa) and for **5 years in Republic of Maldives**. Recently worked as **assistant professor for 3 years (From 2006 to 2009) in Eritrea Institute of Technology(EIT), Eritrea**, North East Africa. Due to unavoidable reasons (Maternity issues) worked from home as **online tutor for 4 years** and taught to students from different countries at 10+2 level and also at college level. Presently (From 07 Sep, 2013) working as **Assistant Professor of chemistry at Osmania University**. Well experienced and capable in teaching general chemistry, engineering chemistry, organic chemistry, bio-chemistry, analytical chemistry and medicinal chemistry courses.

EXPERIENCE

Research Experience

1992-97 : Worked as a Research Scholar (Junior Research Fellow – 1992-94 and Senior Research Fellow – 1994-97) in the Department of chemistry, Nizam College, Osmania University, Hyderabad, India. (Submitted Ph.D. thesis in August 1997).

Overseas Experience

2006-2009 : From Feb 2006 to Feb 2009: worked as **Assistant Professor** in the Dept. of Chemistry, Eritrea Institute of Technology(EIT), Eritrea, North East Africa.

2000-2005 : From May 2000 to June 2005: worked as a higher secondary teacher at Center for Higher Secondary Education, Male, Republic of Maldives, was teaching London University **EDEXCEL** 'A' Level Chemistry.

1997-99 : From August 1997 to August 1999: worked as a Senior Secondary School (10+2) teacher in Eritrea, N.E. Africa, under **UNDP** Program.

College/University Teaching Experience

Present : **Presently** (From 07 Sep, 2013) working as **Assistant Professor** of chemistry at **Osmania University** which is one of the prestigious government universities in India.

2006-2009 : Worked as **Assistant Professor** for engineering and science graduate students at Eritrea Institute of Technology(EIT), **Eritrea**.

1994-1997 : Worked as part time **Lecturer** for graduate and post graduate students at Nizam College, Osmania University, Hyderabad.

Online Teaching Experience

2009-2013 : Due to maternity issues, worked as **Online Tutor** from home and taught Chemistry to students from various countries at 10+2 and college level.

RESPONSIBILITIES

As a Research Scholar well experienced in many laboratory techniques specifically in the field of Biotechnology. As a part-time lecturer, taught several Organic, Bio-organic, Physical and Analytical Chemistry courses to Senior Secondary (10+2), Undergraduate and graduate students. Capable of laboratory management, purchase of chemicals and guidance to undergraduate and graduate students.

As a SeniorSecondary School teacher in Eritrea: Performed duties as teacher for higher secondary students (up to grade 11).

As a teacher at Centre for Higher Secondary Education in Maldives: Taught **EDEXCEL** 'A' Level Chemistry (equivalent to Grades 11 and 12) of LondonUniversity. During this time actively involved in teaching, smooth running of the entire department, conducted practical classes for students and also involved in conducting **GCE** 'A' Level practical exams.

As assistant professor at Eritrea Institute of Technology and at Osmania University, responsible for developing curricula, teaching & evaluation and setting & conducting labs for various chemistry courses like: basic and engineering chemistry (for engineering students), organic chemistry and bio-chemistry (for graduate students).

EDUCATIONAL BACKGROUND

Ph.D in Chemistry (Enzyme technology). OsmaniaUniversity, Hyderabad, India.

Graduation date : July 1998. (Thesis submitted : August 1997).

Thesis title :Studies on efficient enzymatic production of glucose from starch using amyloglucosidase immobilized on various carriers.

Advisors :Late Dr. N.Y. Giri and Dr. S. Satyanarayana (Present Vice-chancellor of Osmania University).

M.Sc. Organic Chemistry (Medicinal), OsmaniaUniversity, Hyderabad, India. First Division. Graduation date : April 1990.

Related graduate courses: Bio-organic, Medicinal Chemistry, Spectroscopy, Chromatography, Inorganic and Organic reaction mechanisms, Organic Chemistry, Photo Chemistry, Stereo-Chemistry and Physical Chemistry.

B.Sc. Chemistry and Biological Sciences, KakatiyaUniversity, Warangal, A.P., India. First Class with Distinction. Graduation Date : April 1988.

AWARDS AND ACTIVITIES

Merit Scholarship in Senior Secondary School (A.P. State Govt. India).

University fifth rank scholarship in B.Sc. (KakatiyaUniversity, Warangal, A.P., India).

Senior Research Fellow (CSIR, New Delhi, India).

As a Research Scholar attended National Conferences and Symposia.

RESEARCH PUBLICATIONS

Seven research papers were published in National and International Journals (Two during Ph.D work and 5 after Ph.D work). Two research papers were presented in conferences.

COMPUTER SKILLS

Working knowledge with MS-Office of Windows XP. Familiar with Chemistry Software packages : Chem Draw and Chem Window etc. Very well experienced in online teaching tools.