

## CV/Concise Resume

**Prof. Dr Sadek khalifa Shakshooki( Inorganic Chemistry).**

**Department of Chemistry , Faculty of Science, Tripoli University , POBox 13203, Tripoli ,Libya. E-mail: shakshooki2002@yahoo.com**

\*BSc.1962 Department of Chemistry, Libyan University, Tripoli ,Libya.

\*MSc.1967 R.I.T. ,Rochester, New York USA.

\*PhD 1971 Bristol School of Chemistry, Bristol University UK.

\*Head Department of Chemistry (1973-1975).

\*Dean College of Pharmacy(1975-1978) 1<sup>st</sup> Dean [ initiate the College].

\*Invited from Max Blank Institute, Frankfurt Germany, on (1977) to attend Scientific discussion on desalination and to give a lecture on “Transfer of Technology in R.O. Membranes”.

\*Invited to be a Member of New York Academy of Sciences USA (1994).

\*Vice Cancellor of the University (1978-1979).

\*Dean College of Pharmacy(1987-1988) 2<sup>nd</sup> time.

\*Member of(1)Editorial Board Materials Physics and Chemistry Journal. (2) Academic Publishing, USA.( J. Chemical Sciences ,& J.of materials) and others.

\*Member of Libyan Chemical Society ( & Head of the Scientific Committee).

### **Academic activities, since 1967:**

#### **Teaching graduate and undergraduate courses.**

**Research field and publication:** Publications in international journals , local and in international conferences more than 150 articles , in area of nanomaterials, metal complexes , desalination, inorganic ion-exchangers of tetravalent metal phosphates, their pellicular membranes, intercalation, inclusion of some heterocyclic compounds into layered and glassy materials , proton conductance, inorganic membrane-membrane composites, pillared materials. Established three novel methods for crystallization of glassy and amorphous tetravalent metal phosphates(TVMP) to their layered materials, Established novel methods for synthesis of nanosized materials their pellicular membranes and fibrous membranes of tetravalent metal phosphates. Nanocomposite membranes (TVMP)- Heterocyclic Conductive polymers membranes.

**Supervised** 15 graduate Thesis.

2 graduates Thesis Supervision (on going- from January ... 2015).

**Current interest:** On inorganic–organic polymers nanocomposite membranes, Preparation of new nanomaterials, Inorganic membrane-membrane composites of tetravalent metal phosphates, Pillared compounds, Ionic conductance , Intercalation, Preparation of novel inorganic ionexchangers of tetravalent metal phosphates (TVMP), Novel Polymerization methods for monomers Indole , Benzimidazole, Aniline (and others) using tetravalent metal phosphates fibrous nanomembranes. Novel methods for polymerization to obtain conducting organic polymers.

**Patents:** Three patents registered local and in Italy [ fourth patent , *Novel fibrous membranes* of(TVMP),to be registered as (registered mark) during 2015],

**BOOKS:** Participate in writing 4 books, one text book for the senior High Schools of Libya. Other three in general chemistry.

**Awards:** 1-National Award, (gold medal) year 1989.

2-Award, as outstanding staff member and researcher ,of Faculty of Science, from Tripoli University; *given for 1<sup>st</sup> time*, year 2000.

3- Two awards from College of Pharmacy, 2002, & 2005.

4-Award from , Tripoli University, year 2007.

5- Award from College of Pharmacy , Tripoli University,16 (April) 2014.

6- Award from National Authority for Scientific Research and Scientific Research Centre's 16 (December) 2014.

7- Award from Department of Chemistry,Faculty of Science ,Tripoli University 28(December) 2014.

8- Award from Department of Industrial Pharmacy, Tripoli University, 17 ( May) 2015.