



[Georgius Abidal Adam, DOB 1949, Bersivey, Zakho, Iraq](#)

# BSc Chemistry, **first honour**, Baghdad University, 1971.

# PhD; Industrial Chemistry, Birmingham University, England 1975.

# Professor of Polymer Chemistry and Technology (1986), Basrah University Iraq. (1975- now )

# University of Western Sydney/**Faculty of Engineering, Infrastructure Research Centre (2016-now)**

Technology Manager (scientist)/**Parchem Co/Dulux group/Nippon (Japan) (2008-now)**

#### **Achievements in Iraq: ([www.gadam.com.au](http://www.gadam.com.au))**

+ Founder of PhD study/chemistry /Basra University (1990) and supervised **20 PhD and 48 MSc** theses.

+ **Founder of the Iraqi polymer research Centre.1992**, Iraqi polymer society and **Iraqi Polymer Journal.1992**

+ Patented **37** Iraqi patents and holds the highest number of patents in Iraq (honoured 1998), 50% implemented industrially during the economic sanction imposed on Iraq (1990-2003), used in rehabilitation after the war 1990.

<https://www.adamsinvention.com.au/PatentRegistered.aspx?v=IQ%20patents>

#### **During the economic sanction imposed on Iraq, We Developed and implemented 48 Industrial projects**

On pilot and semi-pilot plants **e.g. Production of thermal Insulators and Thermal Cement for the Iron Industry** cap. 2000 tons/year, **production of emergency casting crucible, crystalline wax for electrode coating /Chlorine production, PE alloy for industrial floor lamination, Basradite Adhesive, electrical Insulating resins and paper...**

# Established the know-how of >30 drug projects for local production, e.g. Sodium phenytoin, hydroxy urea, TNG, bone fixation, PP mesh for hernia, controlled release drugs, Silicon transparent bandage, loaded antibiotics ...

# Established production plant for five concrete additives in **UAE (Gulf sale engineering co) 2004-2007**.

#### **Achievements in Australia:( 2007-now)**

- **Published seven textbooks, 369 publications, and 4762 citations (Research Gate statistics).**
- Hold honour professor position at three Australian universities: **UTS, UNSW&UWS (2007 –Now).**
- Developed several new industrial products at Parchem. co; e.g. **Renderoc- G** (nominated to Georgius), EP65plus, EP120Plus, LA55 plus, STO6, HD&HDS...(www.parchem.com.au).

- Supervised five PhD theses at UTS and WSU based on Industrial projects related to Parchem Co.
- **28** US patents Granted,**46** Inventions (<https://patents.justia.com/inventor/georgius-abidal-adam>), filed and published, e.g. Antimicrobial polymers for medical applications, Carbon fibres from Coconut waste, new products for meat tendering for AML, natural food antioxidants, stabilisers, Smart paints,.....US patents No:9840480,9932319,9556134,9918466, ...
- Bloomberg, the largest American economic magazine, published an article about some of these inventions in meat and animal wealth.  
<https://www.bloomberg.com/news/articles/2017-02-08/this-company-rents-brains-to-pepsico-and-others-with-thorny-problems>
- Australian invention AU 170109, a New Gaseous phase aseptic system for the COVID-19 virus.
- Phase change material to control temperature for premature infants Bill Gates/UNICEF program.

#### **Awards Issued:**

- **Iraqi Scientist Medal.**
- **Platinum Inventor Medal (USA).**
- **Top national environment prizes (2001 and 2002)**
- **Honoured with a dedicated lecture theatre at the College of Science, Basrah University, Iraq.**

Iraqi Scientist Medal; Class –A



Platinum Inventor Medal, <https://www.intellectualventures.com/>



Main Lecture Theatre at College of Science Basra University, Iraq





