

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)

- + 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

<u>During the economic sanction imposed on Iraq, We Developed and implemented 48 Industrial</u> 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





Emergency Crucible for metal casting Industry





Iraqi Patents issued to Georgius Adam Team; applied Industrially(1980-2004)



In situe forming transparent Injury dressing based on silicon transparent films



Electrical Insulating Materials for Electrical Industries





New Iraqi technology for production Gypsum and binder for bon fixation





Unique specification in the market ;two component grout :1day strength 10.5,34:115,74:175,28:175,28:00mPa 10.5,34:115,74:175,28:



Renderoc G
Renderoc G is a geopolymer repair mortar and lining system with high
chemical and acid resistance for use in highly corrosive environments such
as acid bunds or in sugar, dairy and wine processing industries and concrete
eroded from "soft water" degradation.



Fosroc® Renderoc® LA55 Plus

- High strength, shrinkage controlled, polymer modified, fluid microconcrete for structural repairs of all types conforming to the requirements of EN 1504-3 Class R4.
- Renderoc LASS Plus FC300744-20KG

