

## FIRAS AL BADRAN

### PERSONAL INFORMATION

---

Address: 14 Tamooz Street, Building No. 52, Basrah, Iraq  
Date of birth: 17<sup>th</sup> October 1976  
Nationality: Iraqi  
Marital state: Married  
Languages: English and Arabic  
Telephone: +964 782 6500 861  
Email: [albadran.f@bath.edu](mailto:albadran.f@bath.edu)

### EDUCATION

---

2007 – 2011 University of Bath, Chemical Engineering Department  
PhD degree in Chemical Engineering  
2000 – 2003 **University of Basra, Basra (IRAQ)**  
Master of Science Degree in Chemical Engineering, Basra University.  
1994 – 1999 **University of Basrah, Basrah (IRAQ)**  
BSc in Chemical Engineering, Basra University, 1998-1999  
1991- 1994 **Al-Mrkazea Secondary School, Basrah, (IRAQ)**  
Over all score (very Good)

### WORK EXPERIENCE (ACADEMIC)

November 2013 till now **Lecturer, University of Basra, College of Petroleum and Gas Engineering**

February 2012 to 2013 **Lecturer, University of Basra, College of Engineering**

October 2008 **University of Bath, Chemical Engineering department, UK.**  
Demonstrating in second year unit operation experiments laboratory

October 2008 **University of Bath, Chemical Engineering Department, UK.**  
Research project supervised by Prof Stan Kolaczowski.  
Research topic: COMPACT CATALYTIC REACTOR FOR NOVEL SUSTAINABLE CHEMICAL PATHWAYS.

October 2007 to September 2008 **University of Bath, Chemical Engineering Department, UK.**  
Research project supervised by Prof Stan Kolaczowski.  
Research topic: CATALYTIC REACTOR FOR CONVERTING NATURAL GAS TO LIQUID FUEL.

May 2008 **University of Bath, Chemical Engineering department, UK.**  
Development of equipment protocols and manuals for undergraduate laboratory

February 2008 **University of Bath, Chemical Engineering department, UK.**  
Demonstrating in computer laboratory (chemical engineering process simulation by Aspen+)

2003 to 2005 **University of Basra, Chemical Engineering Department, Iraq.**  
2006 to 2007  
Full time job.

- Taught three academic courses ( Heat Transfer, Basic Principle for Chemical Engineering, and Material and Energy Balance)
- Supervising more than 20 graduation projects for final year.

2004 – 2005 **Technical College, Department of Petrochemical and Department of Environmental & Pollution.**  
Part time job.

- Taught two academic courses ( Heat Transfer and Fluid Mechanics )
- Supervising for three graduation projects for final year.

## WORK EXPERIENCE (PRACTICAL)

Summer 2005	<b>FluorAMEC LLC,Iraq, Basra Khor-Al-Zubair</b> Built new Gas Turbine Power Plant. <ul style="list-style-type: none"> <li>• Project Control Specialist</li> <li>• Progress monitoring for Pipeline erection by developing new computer system.</li> <li>• Supervising water treatment construction works</li> </ul>
2002	<b>Basra University, College of Engineering</b> Designing and fabricating a continuous gas liquid reaction unit
1999	<b>Basra University, College of Engineering</b> Rehabilitation of the Unit Operation laboratory units. <ul style="list-style-type: none"> <li>• Complete maintenance and Rehabilitation for the spray Drier unit.</li> <li>• Rehabilitation of the Distillation pilot plant.</li> <li>• Rehabilitation and operate of the SHUMATZU Gas Chromatography unit.</li> </ul>
1999	<b>Basra Oil Refinery, Ministry of Oil</b> Rehabilitation of the main cooling towers Project <ul style="list-style-type: none"> <li>• Taking out the entire old wooden package.</li> <li>• Fixing the cracks in the concrete structure.</li> <li>• Coating the entire concrete structure with anti-corrosives epoxy paints.</li> <li>• Design and manufacturing of new plastic package.</li> <li>• Design and manufacturing of new distribution and spry system</li> </ul>

## TRAINING COURSES:

<i>Date</i>	<i>Course</i>	<i>Course Organizer</i>	<i>Country</i>
10 <sup>th</sup> to 14 <sup>th</sup> of November 2008	CPD course: Industrial Catalytic Processes	University of Bath, Chemical Engineering Department	UK
August 2008	Advanced Separation Technologies in Chemical Engineering	Technical University of Berlin (TU Berlin)	Germany
March 2008	Research in the Commercial Environment	University of Bath, Faculty of Engineering	UK
March 2008	Creative thinking and problem solving	University of Bath, Faculty of Engineering	UK
February 2008	Engineering Ethics and Professionalism	University of Bath, Faculty of Engineering	UK
December 2007	Copyright, Plagiarism and Referencing	University of Bath, Faculty of Engineering	UK
November 2007	Electron Microscopy and Introduction to Atomic Force Microscopy	Bath University, Department of Physics	UK
July 1998	Chemical Process Operation	Basra Oil Refinery & College of Engineering Basra University	IRAQ
February 1998	Computer Hardware & Maintains	College of Engineering, Basra University	IRAQ
February 1997	Computer Driving	College of Engineering, Basra University	IRAQ
November 2005	Teaching Methods	College of Education, Basra University	IRAQ

## ADMINISTRATIVE AND PROFESSIONAL SKILLS

- Dean Assistant for academic Affairs and Postgraduate Studies.
- Head of Department of Chemical engineering.
- Head of Petroleum Engineering Department (Deputy).
- Director of undergraduate studies in chemical engineering department, Basra University.
- Member to examination committee in chemical engineering Department Basra University.
- Member to maintenance committee in engineering college, Basra university.
- Member to Import committee in engineering college, Basra university.

## RESEARCHES AND CONFERENCES

---

- F.A. Al Badran , S. T. Kolaczkowski, S. Awdry, **Development of a continuous flow reactor for pharmaceuticals using catalytic monoliths: Pt/C selective oxidation of benzyl alcohol.** Catalysis Today, 216 (2013) pp. 229–239.
- G Lamb , F.A. Al Badran, J Williams, , S. T. Kolaczkowski. **Production of pharmaceuticals: Amines from alcohols in a continuous flow fixed bed catalytic reactor.** Chemical Engineering Research and Design. 88 ( 2010) pp. 1533–1540.
- G Lamb , F.A. Al Badran, J Williams, , S. T. Kolaczkowski. **Amines from alcohols: A new application for structured catalysts.** (conference poster) 3ed International Conference on STRUCTURED CATALYSTS AND REACTORS ICOSCAR-3 (September 2009).
- F.A. Al Badran , S. T. Kolaczkowski, P. Plucinski, S. Awdry, J Williams, G Lamb. **Compact Catalytic Reactors for Novel Sustainable Chemical Pathways.** IChemE Catalysis Conference, (conference poster) 12th November 2008, University of Bath, UK.
- Ibtisam K., F. A. Al Badran., Mahamod, A. A. **Chlorinated Resinous Wax from Industrial Wastes Production, Characterization, and Optimization**, 2nd International Conference on Chemistry and its Application, December 6-9, 2003 Doha-Qatar.