

IRAQ ACTION 2009-2015

FACTS

- Total Area 438.317 km²
- Population 37 millions

UNIVERSITIES

- 5 (Baghdad region)
- ▶ 15 (rest of Iraq)
- 18 (Kurdistan)
 - ▶ 9 (Erbil)
 - ▶ 7 (Sulaimania)
 - ▶ 2 (Dohuk)
- 24 (private Institutions)

RECENT HISTORY

- Republic (1958-1969)
- Ba'athist Iraq (1968-2003)
 - ▶ Iran War (9/80 – 8/88)
 - ▶ First Gulf War (8/90-2/91)
- Republic (2003-)
 - ▶ Invasion (20/3/03)
 - ▶ Elections (2005)
 - ▶ ISIS crisis (June 2014)



Francesco PAPPALARDI
(Università Roma TRE)

IRAQ UNIVERSITIES

- Baghdad University



Established in 1957
(80,000 students)
5 Campuses
25 Colleges

- University of Basrah



Established in 1964
(100,000 students)
4 Campuses
15 Colleges

- Salahaddin University
Erbil (Kurdistan)



Established in 1968
(27,000 students)
Academic (Full Time) 1750
Academic (Contract) 120

- University of Mosul



Established in 1967
(30,000 students)
19 Colleges

under ISIS control

Early Actions in Iraq (before 2003)



- 2000 Adil Naoum (**Iraqi Science Academy**) requests support
- 2000 **First mission to Iraq**
(Michel Jambu, D. Robert, G. Oppenheim, Michel Waldschmidt)
- 2001 **Second mission** (MJ, MW)



- 2001 & 2002, **Workshops on the use of computers in teaching mathematics** at the University, Baghdad supported by CIMPA
- 2002 **Third mission** (MJ,MW) funds for travel of Iraqi students

Consequences of the 2000 mission

the work of Michel Jambu

- 10.000€ grant to CIMPA in support Iraqi mathematics
- 2003 visit to CIMPA of Prof. Dr. **Abid Ali H. Al Taai**, later counselor of the Ministry of Higher Education and Scientific Research in Iraq
- 2008 visit of Prof. Dr. **Hana M. Ali** to Nice to work with MJ
- 2009 visit of Prof. Dr. **Raad S. Mahdi** to Nice to work with MJ



Abid Ali H. Al Taai

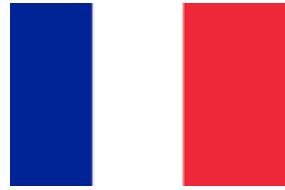


Hana M. Ali



Raad S. Mahdi

Actions in Iraq (after 2003)



- 2008 **Mission Iraqi Kurdistan** (Mohammad Eftekhari, MW)
- 2009 (November 14 – 18)
The First Iraqi-French Mathematics Conference
Salahaddin University-Erbil
- 2010- The French Embassy in Bagdad support starts



Actions in Iraq



- ✓ December 14 - 16, 2010, (MJ & MW)
International Conference on Revitalizing Research in Kurdistan.



- ✓ October 23 - 24, 2013, (MJ, MW, JJ, FP)
Second International Conference of Mathematics and its Applications, Basrah



- ✓ May 5-14 2014,
CIMPA-KURDISTAN-IRAQ Inverse problems: Theory and applications



October 23 - 24, 2013



Organizers:

- Raad S. Mahdi
- Abdulsattar J. Ali
- Hana M. Ali
- ...

Among the Participants:

- Michel Jambu
- Michel Waldschmidt
- Jorge Jimenez Urroz
- FP



Kurdistan Workshops Project



- **2010** (25/11–9/12) *Algebraic Geometry* - Caucher Birkar (Sal)
- **2011** (3–11/1) *A Mini Course on Commutative Algebra*-Reza Sazeedeh (Sal)
- **2011** (10-16–16/2) *Some Topics in Topology* - Michel Jambu (D)
- **2011** (4-11/4) *Number Theory* - Alain Faisant (Sal)
- **2011** (5/9 – 11/9) *Topics of Numerical Methods for Partial Differential Equations*
Abdeljalil Nachaoui (Sal)
- **2011** (17-21/12) *Commutative Algebra* - Kamran Divaani
- **2012** (8-14 /5) *Free Boundary problem : theory and practice*
Abdeljalil Nachaoui (Sal+Sul)
- **2013** (14-30/4) *Statistics with Application – Badih Ghattas* (Sal+Sul)
- **2013** (30/3 - 8/4) *Geometry and Computational Topology* - Michel Jambu
- **2013** (20-29/8) *Application of Matlab in Mathematics* - Adnane Azzouzi
- **2013** (25-31/10) *Inverse Problems* - Abdeljalil Nachaoui (Sal+Sul)
- **2014** (1/12 – 9/12) *Number Theory and Cryptography – FP* (Sal)




Fatima Aboud



Herish Omar

Some PhD's from Iraq



Mathematics Genealogy Project

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Display results in [alphabetical order](#).

Jamil-Zeana, Zaki	University of Baghdad	
Bahar, Hamad	University of Baghdad	
Wasan, Khalid	University of Baghdad	
Ban, Jafar	University of Baghdad	
Zainab, Abdul	University of Baghdad	
Nuha, Hamada	University of Baghdad	
Iftichar, Talib	University of Baghdad	
Nuhad, Al-Mothefar	University of Baghdad	
Sahira, Mahmood	University of Baghdad	
Eman, Hasan	University of Baghdad	
Eman, Ali	University of Baghdad	
Inam, Hadi	University of Baghdad	
Kaddoura, Issam	University of Baghdad	2000
Al-Saphory, Raheem	Tikrit University	2001
Buthainah, Al-Tai	University of Baghdad	2005
Khalaf, Alias	University of Duhok	2006
Abdulla, Layla	University of Sulaimani	2009
Darwesh, Halgwrđ	University of Sulaimani	2010
Hasan, Haji	University of Duhok	2010
Shareef, Hardi	University of Sulaimani	2012
Ahmed, Nehmat	University of Salahaddin	2013
Jamil, Jamil	University of Baghdad	2015

Most of them are scientifically related to Naoum Adil G. (College of Sciences, University of Baghdad)



March 29 - April 1, 2014

College of Science for Women

University of Baghdad



MISSION'S TASKS

- 1) Number Theory Seminars
- 2) Presentation on Mathematics Programs in Italian University
- 3) Reviewing local programs in Mathematics
- 4) Meeting with possible future Iraqi Doctoral Students in Italy



Radhi Ibrahim Mohammed Ali, Saad Naji Al-Azzawiy, FP, Na'mh Abdulla Abid, Saad Abbod Badday



Iden Hasan Al-Kinany, Na'mh Abdulla Abid, Hussain Ali Mohamad

Future Actions

- Security Issues
- Iraqi Government Doctoral Fellowships (ME,MJ,MW)
- Kurdish Government Doctoral Fellowships (ME,MJ,MW)
- Update the accredited Universities list of the Ministry of Higher Education
- Short Travel Grants for Iraqi Mathematicians
- Continuing CIMPA-Kurdistan Workshops Projects
- Future CIMPA school in Erbil or elsewhere

Webography of Iraq Mathematics

- <http://www.uobaghdad.edu.iq/> (Baghdad University)
- <http://www.uobasrah.edu.iq/> (Basrah University)
- <http://su.edu.iq/> (Salahaddin University)
- <http://www.iraqacademy.iq/> (Iraq Academy of Siences)
- <http://www.uomosul.edu.iq/> (University of Mosul)
- <http://www.basconmath.org/> (2nd Conf. Int. Math. & Appl.)
- <http://univsul.edu.iq/> (University of Sulaimani)
- <http://www.mhe-krq.org/> (Ministry of Higher Educ.
Erbil)
- <http://ww1.moheiraq.org/> (Ministry of Higher Educ.
Baghdad)

Reportography of Iraq Missions

- 2000 CIMPA Mission Iraq (MJ)
- 2002 Mission Iraq (MJ, MW)
- 2008 Mission au Kurdistan Iraqien
- 2009 First Iraqi-French Mathematics Conference (MW)
- 2012 Topics in Cryptography (JJU)
- 2013 2nd ICMA International Conference of Mathematics and its Applications
University of Basrah (MJ&MW), (FP)
- 2014 Academic visit at College of Science of Women, University of Baghdad (FP)
- 2014 CIMPA School: Inverse problems: Theory and Applications
(JJU), (Abdeljalil Nachaoui & Fatima Aboud)
- 2014 University of Baghdad (FP)