

Djamil AÏSSANI
(*Biographical note*)

Director of LaMOS (Research Unit)

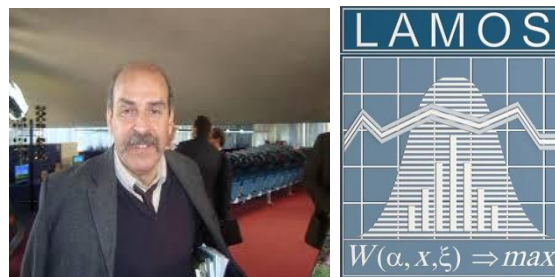
(<http://www.lamos.org>)

President of Gehimab (Learned society)

(<http://www.gehimab.org>)

Research Director, C.N.R.P.A.H. Algiers

(<http://www.cnrpah.org>)



Djamil Aïssani, Mathematician and Algerian Man of Culture. Born on July 24th, 1956 in Biarritz (Basque Country, France). Son of Mustapha Aïssani, Director of the Schools of Outdoor, and Mrs. Aïssani, born Aïnouche Drifa. Married, four children.

Plan

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Studies : School of Périgueux (The Dordogne), Sidi Aïch Junior High School, High school of Bejaia, University of Constantine (1975 – 1979), State University of Azerbaijan (Bakou, 1979 – 1980) and State University of Kiev (Ukraine, 1980 – 1984). **Diplomas**: Algerian Baccalaureat (specialization : Mathematics) and French Baccalaureate C (specialization: Mathematics and Physical sciences) with Third Class Standing (1975), D.E.S. (Diploma of Higher Learning) in Mathematics, option Probabilities – Statistics (valedictorian 1979), Ph.D in Probabilities (November 1983 - equivalence of the D.Sc - Doctorate of State in Mathematical Sciences, 1984).

Career : Started to teach in 1978 at the University of Constantine. He has been working at the University of Bejaia since its opening in 1983 /1984. Djamil Aïssani is the first teacher of this establishment to have risen to the rank of **Professor** (March 1988), to the rank of **Research Director** (1993) and to the functions of **Dean-Senior** of the Faculty of Science and Engineering (with its creation in 1999 - ministerial decree n° 57 of the 6/20/99). He has also provided courses and supervised theses, dissertations and projects in a dozen other establishments in Algeria (U.S.T.H.B. Algiers, University of Annaba, University of Tizi Ouzou, I.N.H. Boumerdes, University of Setif, University of Blida, ENITA Bordj-el-Bahri, I.N.P.S. Ben Aknoun, Polytechnic National School El Harrach,...) and abroad [University of Rouen (1992-1993), University of Montpellier (1995), University to Business Technology Transfer (Washington D.C., University of Myriland, Virginia Tech, Georgia Tech - Atlanta,

2003), University of Burgundy (2005), University of Marne la Vallée (2007),...]. In 2009, he was elected Visiting Professor by the teachers – researchers of the E.H.E.S.S. Paris, with the rank of Director of Studies 1st class. In 2014, he is Professor of the Universities 1st Class with the CNAM Paris (Conservatoire National des Arts et Métiers - National Conservatory of Arts and Crafts).

Organizational Tasks: Named in 1991 by Djilali Liabes as Scientific Adviser at the Ministry of Universities (cf ministerial decree n° 714), he will be successively named at the C.N.E.P.R.U. (National Commission of Evaluation and Programming of Research) then at the C.N.E. (National Commission of Equivalence – 1993), at the Scientific Council of the University Academy of Algiers (cf ministerial decree n° 102 of the 7/22/96) and at the C.U.N. (National University Commission – 2001, cf ministerial decree n° 148). President of the Mathematics Subcommittee of the C.N.E.P.R.U during one decade (1995 – 2005, cf ministerial decree n° 25 of 12/20/94), he was President of the Exact Sciences Subcommittee of the Commission of Accreditation of the Post-Graduations (1998 - 2002). After the adoption of the law on research, he was named at the First Permanent Sectoral Committee for the Scientific Research and Technological Development (with its creation in 1999 – cf ministerial decree n° 685). Member of the Ad hoc Committee on Innovation of the Directorate-General – D.R.S.D.T (M.E.S.R.S. Algiers) at its creation in 2008. He also belonged to several committees of experts (recasting of the C.U.N. in 1996, development of National Programs of Research, Reorganization of the Post-Graduation, Jury of the *President of the Republic Prize for Science and Technology*,...). Member of the C.P.N. (National Teaching Committee) of Mathematics in 1988, he is, the same year, founding member of the A.M.A. (Algerian Society of Mathematics). He is, in addition, member of many learned societies [member of the Directory of the M.C.D.M. – based in Georgia, member of the A.M.S – American Mathematical Society, founding member of the Rapid Modeling Society [based in Neuchâtel], member of Gnedenko E-Forum of the I.G.O.R. (International Group One Reliability),...].

Within these frameworks, Djamil Aïssani was associated to operations of organization of science in Algeria and abroad (creation of structures and networks, orientation of research, synthesis of works, project evaluation, assessment works, launching of streams and options, creation of specialized magazines, organization of events, documentation, relations with the industrial, socio-economic and cultural sectors, conventions,...). The latter:

- Advisory Editor of the International Journal *QMSM (Queueing Models and Service Management)*, 2016.
- Guest Editor of the International Journal *IJCCBS (International Journal of Critical Computer-Based Systems)*, Inderscience Publisher, 2017.
- C/Editor of a special issue of the review *SABIX (Polytechnical School Paris)*, 2018.

The LaMOS Research unit: Founded in 1985, The, *LaMOS (Laboratory of Modeling and Optimization of Systems)* is one of the oldest structures of research in activity in Algeria. Including a hundred and thirty six high level researchers today, it has just risen to the status of *UR* (Multidisciplinary Research Unit). *LaMOS* thus became in 2013 the first *UR* (Research Unit) of the Country in the fields of Mathematics – Computer Science and Technologie. It opened to the applications of mathematics:

- to Engineering Science, in 1988 (at the beginning of the economic crisis in Algeria). The work carried out in the socio-economic organizations and the industrial companies was presented in 2003 in several American universities (Washington D.C., University of

Myriland, Virginia Tech, Georgia Tech – Atlanta) within the framework of a University to Business Technology Transfer.

- To Humanities and Social Sciences (Bibliography and Methods of Analysis, History of Mathematics) in 1991 (at the beginning of the political and identity crisis in Algeria). In 2003, he was appointed by the Ministry of Culture to create a focus of research on the History of Sciences with the C.N.R.P.A.H. Algiers.

LaMOS: a 32 years action. This action allowed particularly:

- to take part in the creation of several departments, institutes and faculties (Mathematics, Exact Sciences, Economy, Computer Science, Sciences, Engineering Sciences,...) ;
- to label the Department of Operational Research of the University of Bejaia as a pole of excellence with nationwide recruitment capacity (2010);
- to take part in 2003 in the creation of the Doctoral School of ResyD Computer Science. LaMOS ensured the official coordination and the scientific responsibility since its creation until 2011);
- to develop in Algeria the field “*evaluation of performance and Service Quality*” (UER Mathematics – Computer Science, ENITA – 1986, Institute of Computer Science, University of Annaba – 1987, Institute of Computer Science, USTHB Algiers – 1988,...).
- to host the “Assises Nationales des Mathématiques” in Bejaia in September 2010;

The GEHIMAB Learned Society: Djamil Aissani is president of the Learned Society **GEHIMAB** [*Group of Studies on the History of Mathematics in Bejaia* - see *Historia Mathematica* 20 (1993), 204]. Founded in December 1991, **GEHIMAB** is today recognized a public-interest organization (cf.<http://www.gehimab.org>). It is mainly the scientific works carried out on the history of sciences (the Maghreb and the Mediterranean), on the methods of analysis (Anthropological History, intellectual and through books of the Maghreb) and its relationship with the artistic world (Theater, Iconography, Music) which made it known by the general public (cf <http://www.gehimab.org>). Its commitment for the preservation of the material and immaterial heritage of Algeria (at the time of the black decade), and particularly of Kabylie, was the object of scientific analyses. A doctorate, entitled: *The Group of Studies on the History of Mathematics in Bejaia (GEHIMAB): an independent association in search of the heritage of a city and its province in today's Algeria*, directed by Fanny Colonna, was presented in 2006 at the E.H.E.S.S. Paris (cf M.A. Hadibi, *Insaniyat* magazine). We would also quote the articles of anthropologists and high profile journalists (Judith Scheele, Atilio Gaudio, Tassadit Yacine, Ghania Mouffok, Chawki Amari,...). On July 10th, 2013, an article of the philosopher Fadela Hebbadj under the title « *History and Direction in the Maghreb* », made the front page of the Newspaper Médiapart (Paris).

Cultural field: Appointed by the Governor of Algiers member of the Committee of the Millenium of Algiers Beni Mezghena (1999), then by the Minister of Culture in the year 2000 at the Council of Orientation of the the Cultural Center (and in 2009 with the Artistic Council of the Regional Theater of Bejaia, then in 2010 at the Technical Committee of Coordination of the Library of Public Reading), he prepared in 2001 the dossier of creation of the Advisory Council of Culture of the Province of Bejaia (decree n° 424/2001 of April 14th, 2001). Member of the Ministry of Religious Affairs and Awqaf Scientific Council of the Directorate of Islamic Culture, he was appointed by the Minister (in 2009) with constituting the program of the National Conference “Amazighity and Islam” (June 2009). Member of various

technical commissions [of the Cultural Property (decree n° 22054/08), Historical Technique PDAU (decree n° 1668/08),...] and of various juries [Competition of architecture of the OPGI (decree n° 36 of the 1/24/2012 of the Minister of Habitat and Urban Planning,...),...], he had been appointed in 1999 as expert at the *CPVHM (Standing Conference of the Historical Cities of the Mediterranean* – based in Alghero - Sardinia). By decree of the Ministry of Agriculture and Rural Development of April 29th, 2014, he was appointed at the Scientific Council of the National Park of Gouraya. Elected president for a 03 years term, he serves at the Council of Orientation. In 2017, member of the National Committee for manuscripts of the Hight Islamic Council (*Maalma Makhtutat al-Djaza'ir*).

Sport field: Djamil Aïssani is Sport Educator 3rd degree of Hand Ball (the three diplomas – 1976, 1977 and 1978 - were obtained under the direction of the Romanian specialists of the CREPS of Constantine).

Biographical Data Forms: The biography of Djamil Aïssani is published in several reference books: *Mathematical Sciences: Who's Who* of the International Academic Forum 2000, *People of the 20th Century* of Cambridge 2000, *IFORS* 2000, *I.A.B, IBC*,...;

Scientific works: Author of 880 scientific works [260 international publications, 115 articles of Proceedings with ISBN, 313 communications with published acts, 35 works and monographs, 135 plenary Conferences and presentations at specialized seminars, 25 editions of Proceedings] (published in a dozen languages).

Framings: 265 framings of dissertations and theses are added (35 Doctorates of State and in Sciences, 49 Magisters from former system, 106 theses of engineering, 74 theses of Master 2)

Scientific contribution:

Supervision of 20 projects and programs,... The latter concern:

1. Mathematics and Computer Science:

Probabilities – Statistics and Operational Research. Development of the method of the operators of the theory of stability for the analysis of uniform ergodicity and the strong stability of the unspecified Markov chains. A complete search cycle was carried out by his students to prove the applicability of this new method to the stochastic models of Operational Research (Markov Chains, Queues, Reliability, Inventory Control, Risks). Application of these methods to the Computer Systems and the Telecommunication Networks Performance Evaluation.

2. Mathematics Applied to Engineering Science:

- Proposal scientific methodology of evaluation of the reliability of the electrical networks, under specific conditions (absence of data,...).

- Proposal an approaches for the Evaluation of Performances and the Quality of Service of the Computer Systems and the Telecommunication Networks (Djamil Aïssani is Coordinator and Scientific Director of the Doctoral School in *ReSyD* Computer Science since its foundation in 2003 – reappointed for 2010/2011 - cf ministerial decree n° 225 of July 22nd, 2009).

- Application of mathematical methods for modeling and evaluation of performance of the various disciplines of engineering science (Mechanics in 1987, Chemical Engineering in 1988, Electrotechnology in 1989, Hydraulics in 1991, Electronics in 2007,...).

3. *Industrial Mathematics* :

Solving problems presented by various industrial companies (Algerian Oil Company **Sonatrach**, Company of Electricity **Sonelgaz**, National company of Industrial Vehicles **S.N.V.I.** Rouiba, National Company of Textile **Ecotex**, National Company Water **Edemia**, Bejaia Port Authority, **Naftec** Skikda, Air Force base of Boufarik – Ministry of National Defence, Food industry company **Cevital**, Fatty products **E.N.C.G.** Bejaia, **Eriad** Sidi Aïch, **Transbois**, **S.N.T.R.**, **Naftal** Bejaia, **Embag** Bordj Bou Arreridj, **Algérienne des Eaux** Sétif, **Algérie Télécoms**, Food industry company **Djurdjura – Danone**, **Amimeur Energy**, Food industry company **IFRI**, **Candia**, **MAC Soummam**, **COGB La Belle**, ...), National Company of Textile **ETIT** (ex :**Icotal** Béjaia), National Company **ENMTP** Constantine, ... and of the socio-economic organizations (**D.P.A.T.** Planning – Wilaya of Bejaia, **A.P.C - City** of Bejaia, Hospital of Bejaïa, **B.N.A.** Bank, Direction of National Education, Insurance company **S.A.A.**, Company of Electricity of Niger **Nigelec**, Joint Venture **B.M.T**, Social Security Fund **C.N.A.S.**, **B.A.D.R.** Bank, **CNEP** Bank, , Algerian Customs, **ANB** (*Nationale Agency of Barrages*) – Béni Haroun, Direction of the Wilaya Fields, Direction of Wilaya Transport, Public Work Management Wilaya,...) in particular within the framework of final dissertations and specific protocols.

4. *History of Mathematics* :

Maghrebian Mathematics of the time of Leonardo Fibonacci, Raymond Lulle, Ibn Khaldun, Ibn al-Banna, al-Qurashi,... - the latter having made their studies (or having stayed and worked) in Bougie (Bejaïa) during the Middle Ages. Analysis of the mathematical tradition of the Maghreb. The same applies for the 19th century: knowledge available in the local scholars (Ash Shellati, Lmuhub Ulahbib,...) and activities in Algeria of eminent Western mathematicians (François Arago, Eugène Dewulf, Albert Ribaucour, André-Louis Cholesky, Henri Broccard ...).

5. *Bibliography and Methods of analysis*:

Discovery of an *erudite library of manuscripts of the 19th century*. Reconstitution of an *old specialized institute of the 18th century*. On these bases: proposal for a mathematical method of analysis of the social facts. This approach was applied to carry out a total analysis of the scientific manuscripts of the Maghreb.

6. *Berber field and Material and Immaterial Heritage*:

- Scientific importance of the Berber language and use of the writing in Kabylie (discovery and analyses of Lybico-Berber steles and manuscripts of Berber language);
- Reconstitution of the soufie heritage of Kabylie (11th – 20th centuries)

7. *Social studies* :

Djamil Aïssani coordinated specific studies of reference, required by the civil authorities (Ministries, National Ombudsman, Wilaya, Municipalities, Universities,...) and

military (Direction of the Scientific Research of the *M.D.N.*, School of the Senior Officers of National Marine of Tamenfoust, *ENITA* in Bordj el Bahri,...), sociocultural and religious associations, international agencies,... He has lately been appointed in the Technical Commission of Historical Cores *PDAU* Inter-municipalities (decree n° 1668/08 of the 9/22/2008), in the Commission of Ranking of the Cultural Goods (stopped n° 2205), in the Commission of Wilaya of Rehabilitation of the Places of Worship, in the Technical Committee of Coordination of the Library of Public Reading (ministerial decree, 2010) and in 2014 in the Committee of validation of the *PATWB* (- Plane of Regional Planning of Wilaya de Bejaia - *DPAT*).

APPENDIX: Publications and Realisations
(see <http://www.lamos.org> and <http://www.gehimab.org>)

For each one of the four fields (Mathematics and Computer Science, Mathematics applied to engineering science, History of Mathematics, Methods of Analysis) we separately present the articles of magazines and the articles of books.

I – Mathematics and Computer Science

- R. Journal *Matematika*, *VINITI* N° 4119 – 82, IB 83, 1982.
- *Account Acad. of Sciences Journal U.S.S.R*, ser. A, Math-Phys-Tech, N° 11, 1983
- International Journal. *Theory of Probability and Mathematical Statistics*, American Mathematical Society, 1984 (also see: 2003, 2005, 2006, 2008).
- *Mathematics Accounts*, 1987 (also see : 1988).
- *Mathematics Seminar of Rouen*, Ed. C.N.R.S., 1990.
- International *Journal of Mathematical Sciences*, Springer Verlag – Kluwer, N.Y., 2005 (voir également: 2012).
- *Bulletin of the International Statistical Institute*, Berlin, 2003.
- International Journal *Theory of Stochastic Process*, 2004.
- International Journal *MMOR (Mathematical Method of Operations Research)*, Springer Ed., 2006.
- International Journal *Pliska Studia Mathematica Bulgarica*, 2005 (also see: 2007).
- *F.E. Journal of Mathematical Sciences*, 2007
- International Journal *SAA Stochastic Analysis and Applications*, Taylors and Francis Ed., 2008 (also 2010).
- International Journal *LAA (Linear Algebra and its Applications)*, Elsevier Ed., 2008 (also 2010).
- International Journal *ORL (Operation Research Letters)*, Elsevier Ed., 2008.
- International Journal *SM (Stochastic Models)*, Francis and Taylor Ed., 2008, (also see 2010).
- International Journal of *Risk and Reliability*: Institution of Mechanical Engineers I.Mech.E (part O) Ed., 2009.
- International Journal *C.S.I (Computer, Standard and Interface)*, Elsevier Ed., 2009.
- International Journal *MCM (Mathematical and Computer Modelling)*, Elsevier Ed., 2009 (also 2012).
- “International Review on Computers and Software (I.RE.CO.S), 2009.
- International Journal *S.A.J. (Scandinavian Actuarial Journal)*, Francis and Taylor Ed., April 2010.

- International Journal **QTQM** (*Quality Technology and Quantitative Management*), NCTU Publication Press, 2010.
- International Journal **RESS** (*Reliability Engineering and System Safety*), Elsevier Ed., 2010,
- International Journal **AMM** (*Applied Mathematical Modelling*), Elsevier Ed., 2010.
- International Journal **Afrika Statistika**, African Society of Statistics Ed., Dakar, 2010. ISSN 0825 0305 (see too Vol. 10, Issue 1, 2015 et Vol. 11, Issue 2, 2016).
- International Journal **PCS** (*Procedia Computer Science*), Elsevier Ed., May 2010.
- International Journal **CMAWA** (*Computer and Mathematics with Applications*), Elsevier Ed., March 2011 (also May 2011) .
- International Journal **JNCA** (*Journal of Network and Computer Applications*), Elsevier Ed., May 2011 (also in 2012 and in 2014).
- International Journal **MCAP** (*Methodology and Computing in Applied Probability*), Springer Ed., Vol. 13, 2011 (see too 2017).
- International **Journal of Communication and Computer**, n° 8, David Publishing, 2011
- **Informatica** (International **Journal of Computing and Informatics**) , Slov. Soc. Informatika Ed., 2011. ISSN: 6350 – 5596.
- International Journal **IJCSI** (*Computer Sciences Issues*), Volume 9, Issue 1, January 2012.
- International Journal **IJCS** (*International Journal of Communication Systems*), Vol. 25 n° 4, Wiley Ed., U.S.A., 2012.
- International Journal **WPC** (*Wireless Personal Communications*), Springer Ed., 2012 (also see 2014 and 2014 and 2015 and 2016 and 2017).
- International Journal **DEDS** (*Discrete Event Dynamic Systems*), Springer Ed., 2012.
- International Journal **IJCA** (*Computer Applications*). July 2012
- International **TSJ** (*Telecommunication System Journal*), Springer Ed., 2013.
- International Journal “*Bull. Iranian Math. Soc.*”, Vol. 40, 2014.
- International Journal **WN** (*Wireless Networks*), Springer Ed., 2014 (see too 2016).
- *Image of Mathematics*, C.N.R.S. Ed., Paris, 2014 (see too May 2016).
- **IEEE Communications Letters**, IEEE Ed., 2014.
- **IJCM** (International Journal of **Computer Mathematics**), Taylors and Francis Ed., 2015.
- International **Journal of Statistical Computation and Simulation**, Francis and Taylor Ed., 2015
- International Journal **FAOC** (*Formal Aspects of Computing*), Springer Ed., 2015.
- **CRAS** (*C. R. Acad. Sci. Paris, Ser. I*), Elsevier Ed., 2015.
- European Journal of Pures and Applied Mathematics, 2015 [http://www. Ejpm.com](http://www.Ejpm.com)
- **ANOR** (Annals of Operations Research), Elsevier Ed., 2016. Doi: 10.1007/s10479-015-1883-8.
- **PJMS** (*Jangjeon Mathematical Society*) Vol: 19, n° 2, 2016
- **IJMOR** (International Journal of Mathematics in Operation Research), Vol. 10, n°2, Inderscience Publisher, 2017
- International Journal **AMIS** (*Appl. Math. Inf. Sci.*), Vol. 11, n° 1, 2017,
- **IJCCBS** (*International Journal of Critical Computer-Based Systems*), Inderscience Publisher, 2017 (see to the editorial of the guest editor 2017).
- International Journal **Afrika Matematika**, Springer Ed., 2017. DOI: 10.1007/s 13370 – 017 – 0492 – x. <http://link.springer.com/journal/13370/onlineFirst/page/1>.
- **IME** (Insurance Mathematics and Economics), Elsevier Ed., Vol. 74, 2017, pp. 78 - 83. <http://dx.doi.org/10.1016/j.insmatheco.2017.02.007>
- International Journal **CS** (*Computer and Security*), Elsevier Ed., 2017. <http://dx.doi.org/10.1016/j.cose.2017.05.008>
- International Journal **COR** (*Computers and Operations Research*), Elseiver Ed., 2017.

- <https://doi.org/10.1016/j.cor.2017.05.017>

II – Applied Mathematics

Articles of magazines

- *Journal of Technology*, 1987, **ISSN: 1111-357X** (also see 1997)
- *Maintenance Magazine*, Ministry of Heavy Industry, Alger, 1991.
- *Maghrebian Annals of the Engineer*, 1991. ISSN: 0330 – 8243 (also see 1992).
- *Advanced Technologies Avancées* 1992. ISSN: 1111-0902 (also see 1992).
- *International Journal of Production Economic*, Elsevier Ed., 2005
- *Accounts of I.N.R.E.* magazine, 2002. ISSN: 1112-3516.
- *eWIC Review*, British Computer Society Ed., 2007. ISSN: 1477 – 9358 (also see 2009 and 2011).
- IEEE Multidisciplinary Engineering Education Magazine, 2008.
- International Journal **C.C.E.** (*Computer and Chemical Engineering*), Elsevier Ed., 2009
- International Journal **IJSS** (*of Systems Sciences*), Francis and Taylor Ed., 2010.
- International Journal **Microelectronic Reliability**, Elsevier Ed., 2010.
- International Journal **JESA** (*European Journal of Automated Systems*), Lavoisier Ed., 2011 (also see Vol. 47, n° 3, 2013).
- International Journal of Science, Engineering and Technology, **WASET** (*World Academy of Science, Engineering and Technology*) Ed., 2011
- International Journal “*Mathematical Problems in Engineering*”, Vol. 2012, Hindawi Ed., 2012 (also see 2013).
- International Journal **IJPR** (*of Production Research*), Taylors and Francis Ed., 2012.
- International Journal **IJEPES** (*of Electrical Power and Energy Systems*), Elsevier Ed., 2013.
- International Journal **IJPE** (*of Performability Engineering*), Rams Consultants Ed., Vol. 9 n° 5, 2013. <http://www.ijpe-online.com> (also see Vol. 10, n°1, 2014). .
- International Journal of Networking Technology, D.I.R.F. Ed., Vol. 4, Issue 2, 2013, pp. 75 – 85.. ISSN: 0976 – 898X.
- International Journal **Computer and Electrical Engineering**, Elsevier Ed., 2014.
- Lecture Notes on Information Theory, Engineering and Technology Publishing, Vol. 2 n° 4, December 2014.
- International Journal of Mathematics and Mathematical Sciences, Hindawi Ed., 2014.
- International Journal **Multimedia Tools and Applications**, Springer Ed., 2015. DOI: 10.1007/s11042-014-2131-y.
- International Journal of Electrical Energy (IJOEE), Vol. 2, n° 4, 2014. doi: 10.12720/ijoe.2.4.295-299.
- Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, Online, April 2015. doi: 10.1177/174806X15578572.
- Journal of Physics: Conferences Series, IOP Publishing Ltd., Vol. 738, n° 1, Article 012131, 2016
- **IJCSIA** (*International Journal of Advances in Computer Science and its Applications*), Seek Digital Library, Vol. 6, n° 3.. 2016.
- **IJMCS** (*International Journal of Mathematical and Computational Sciences*), Waset Ed., Vol. 4 n° 2, 2017.
- **IJAHUC** (*International Journal of Ad Hoc and Ubiquitous Computing*), Inderscience Publishers, 2017.

Articles of Books

- In the Book *Integrating Technology and Human Decisions* : Global Bridges into the 21st Century, Athens, Greece, July 1999.
- In the Book *Mathematical Methods on Reliability*, Helge Langseth and Bo Lindqvist Editeurs, N.T.N.U. Ed., Trondheim (Norway), June 2002.
- In the Book “*Organization and Conduct of Activities in Industry and* ”, Yves Dallery, Jean-Claude Hennet and Pierre Lopez Publishers, SCS – European Publishing House (ISBN 3 – 936150 – 24 – 9), Toulouse, 2003, pp. 415 – 419.
- In the Book *Computing, Communications and Control Technologies*, Hsing-Wei Chu, Michael Savoie and Belkis Sanchez Editors, Austin (U.S.A.), 2004, ISBN: 980-6560-17-5.
- In the Book *The National System of Economic Information S.N.I.E.: Situation and Outlook*, Cerist Ed., Alger, 2006, ISBN : 9961 809 025.
- In the Book “*Performance Evaluation, Methodologies and Tools*”, ICST and ACM Ed., Nantes, 2007. ISBN: 978-963-9799-00-4.
- In the Book “*Modelling, Computation and Optimization in Information Systems and Management Sciences*”, H.A. Le Thi, P. Bouvry and T. Pham Dinh (Eds), series CCIS 14 (Communications in Computer and Information Sciences), Springer-Verlag, Berlin Heidelberg 2008.
- In the Book “*Rapid Modelling for Increasing Competitiveness: Tools and Mindset*, Springer Verlag Ed. (Germany), 2009
- In the Book “*Computer and Industrial Engineering*”, IEEE Society Ed., 2009, pp. 1220 – 1225, doi: 10.1109/ICCIE.2009.5223738.
- In the Book “*Melecon*” 15th IEEE Mediterranean Electrotechnical Ed., April 2010, pp. 1606 – 1611. Doi. 10.1109/melcon.2010.5476307. ISBN: 978 – 1 – 4244 – 5793 – 9.
- In the Book “*Rapid Modelling and Quick Response: Intersection of Theory and Practice*, Springer Verlag Ed. (Germany), 2010. ISBN: 978-1-84996-524-8.
- In the Book “*Strategic Advantage of Computing Information Systems in Enterprise Management*”, M. Sarrafzadeh and Panagiotis Petratos Eds, AIER, Athens (Greece), 2012, pp. 273 - 286. ISBN: 978 – 960 – 6672 – 93 – 4.
- In the Book “*Modeling Approaches and Algorithms for Advanced Computer Applications*”, A. Amine, O. Ait Mohamed and L. Bellatreche (Eds), series SCI (Studies in Computational Intelligence), Vol. 488, Springer Ed., 2013, pp. 135 – 144. ISBN: 978 – 3 – 319 – 00559 – 1. Doi 10.1007/978 – 3 – 319 – 00560 – 7-18.
- In the Book “*BPM (Business Process Management): Process-Aware Logistics Systems*”, LNBIS (Lecture Note in Business Information Processing), Vol. 171, Springer Ed. (Germany), 2014, pp. 355 – 364. DOI: 10.1007/978-3-319-06257-0_28.
- In the Book “*Mathematical Methods in Engineering and Economics*”, European Society for Applied Science and Development Ed., Prague, April 2014, pp. 101 - 106. ISBN: 978-1-61804-230-9.
- In the Book “*Mathematical Methods in Engineering and Economics*”, European Society for Applied Science and Development Ed., Prague, April 2014, pp. 100 - 106. ISBN: 978-1-61804-230-9.
- In the Book “*Discrete Event Systems*”, Vol. 12, IFAC Ed., 2014, pp. 498 – 503. ISBN: 978-3-902823-61-8. DOI: 10.3182/20140514-3-FR-4046-00049.
- In the Book “*Modeling, Simulation and Optimization of Transportation Networks*”, AIP Ed. (U.S.A.), 2014:
- In the Book “*Computer and Information Technologie*” (GSCIT), IEEE Ed, 2014, pp. 1-6. DOI:10.1109/GSCIT.2014.6970100 ISBN:978-1-4799-5626-5.

- In the Book “*Recent Advances in Energy, Environment and Financial Planning*”, Mathematics and Computers in Science and Engineering Series, Vol. 35, Wseas Ed. (World Scientific and Engineering Academy and Society), Florence (Italy), November 2014, pp. 295 – 304. ISBN: 978-960-474-400-8.
- AIP Conference Proceedings Ed. (U.S.A.), Vol. 1648, 530012, 2015, doi: 10.1063/1.4912745.<http://scitation.aip.org/content/aip/proceeding/aipcp/1648?page=23>
- In the Book “*Advanced Computational Methods for Knowledge Engineering*”, Series: “*Advances in Intelligent Systems and Computing*”, Vol. 358, Springer – Verlag Ed., 2015, pp. 119 - 128.
- In the Book “*Advances In Mathematics and Statistical Sciences*”, Series: Mathematics and Computer in Sciences and Engineering, Vol. 40, Waseat Press Ed., 2015.
- In the Book “*Functional Statistics and Applications*”, Series: “Contributions to Statistics”, Part II, Springer Ed., 2015 (deux articles).
- In the Book “*Applications and Theory of Analytic Hierarchy Process*”, In Tech Ed., 2016.
- In the Book “*System Reliability*”, Gershman I. Ed., In Tech Publisher, 2017 (to appear)

III – History of Mathematics

Magazine articles

- *Algerian Magazine of Education*, M.E.N. Alger, 1995.
- *International Journal Historia Mathematica*, Academic Press Ed. (U.S.A.), 1996,
- *International Journal Bollettino di Storia delle Scienze Matematiche*, Roma, 2003.
- *International Magazine Astronomy*, Vol. 24, S.A.F. Ed., Paris, Février 2010, pp. 27 – 31.
- *International Magazine Astronomy*, Vol. 39 , S.A.F. Ed., Paris, Mai 2011, pp. 34 – 39.
- *Image of Mathematics*, C.N.R.S. Ed., Paris, 2014.
- *Educational Magazine*, n° 7, Inre Ed., Alger, 2014.
- *International Magazine TSUHAYL*, Vol. 13, University of Barcelona Ed., Barcelona 2014
- *Image of Mathematics*, C.N.R.S. Ed., Paris, May 2016.

Articles of Books

- In the book «*History and Epistemology in Mathematics Education*», IREM Ed., Montpellier, 1993.
- In the book «*Leonardo Fibonacci : il tempo, le opera, l’eredità scientifica*», Pacini Editore (IBM Italia), Pisa, 1994.
- *Math Forum of Web server* (<http://www.gauthier-villars.fr>), Ed. Gauthier-Villars, Paris, 1997.
- In the Book “*Pisa e il Mediterraneo*”, a cura di Tangheroni M., Skira Ed., ISBN : 88-8491-520-1, Pisa, 2003
- In the Book «*The Hand-written Treasures of the Mediterranean*», Fatou Ed., Paris, 2005, ISBN : 2-87844-074-9.
- In the book «*Il Mediterraneo nel 300 : Raimondo Lullo e Frederico IV, Re di Sicilia*», Brepols Ed., Brussels, 2007. ISBN: 978-2-503-52511-2.
- In the Book «*Ibn Jaldun, Between al-Andalus and Argelia*», Fundacion El Legado Andalusi Ed., Grenada (Spain), 2007. ISBN 978–84–96395–35-0 (also see the Arabic edition).

- In the Book « *Las Artes y Las Ciencias en El Occidente Musulman : Sabios Mursies en Las Cortes Mediterraneas*», Ayamendo Murcia Ed., Murcia (Spain), 2007. ISBN : 978-84-96760-15-8.
- *The Scientific Manuscripts of the Islamic World*. In the Book ***Treasures of the Aga Khan Museum: Art of the Books and Calligraphy***”, AKCP and Sabanci Univ. and Sakip Sab. Museum Ed., Istanbul/Geneve, 2010, pp. 200 - 205. ISBN: 978 – 605 – 4348 – 08 – 4.
- In the book « *Il lulismo in italia : itinerario storico-critico* », Officina di Studi Medievali, Palermo, 2015.
- In the Book « *Ramon Llull and the Mediterranean Dialogues*, Iemed Ed., Barcelona, 2016,

IV – Methods of Analysis

Articles of magazines

- International magazine *E.D.B (Berber Studies and Documents)*, 1998, Edisud, Paris (see too 2016).
- International magazine *Annali del ION*, - Sezione Orientale, Napoli, 1999.
- *Biographical Dictionary of Kabylie*, Edisud Ed. , Paris, 2001, 2007.
- International Journal *Africana* (Vittorio Salvadorini and Giovanni Armallotti Eds.), Pisa, 2002.
- *Awal* magazine, Paris, 2005.
- *Magazine of Islamic Studies*, Islamic High Council Ed., Algiers, 2006. ISSN : 1112 – 4075.
- International magazine ***REMMM*** (*Review of Studies on the Muslim World and the Mediterranean*), n° 121 - 122, Aix-en-Provence, 2008.
- *Magazine of Berber Studies*, Inalco Ed., Paris, 2010.
- *Studi Africanistici : Serie Studi Berberi e Libico-berberi* magazine, N° 1, L’Orientale Ed., Napoli, 2012,
- *Berber Encyclopedia*, Fasc. XXXV, Peeters Publisher, Leuven (The Nederland), 2013. ISBN : 978-90-429-2640-0. (also see Fasc. XXXVII - XXXIX, 2015).
- International magazine *E.D.B (Berber Studies and Documents)*, Vol. 35-36, Edisud Ed., Paris, 2015, pp. 43 – 62.
- *Berber Encyclopedia*, Fasc. XXXVII and XXXIX, Peeters Publisher, Leuven (The Nederland), 2015.
- Revue « *Spéléologie Magazine* », n° 93, Paris, March, 2016

Articles of Books

- In the Book « *Two Scholars Fond of Maghreb* », Institute of the Arab World and Unesco Ed., 2001.
- In the Book « *Berber Manuscripts in the Maghreb and in the European Collections: Localization, Identification, Conservation and Dissemination*», Perrousseaux Ed., Paris, 2007, ISBN 10 : 2-91-122018-8.
- In the Book *Local Actors and Immaterial Patrimony: the role of the historical cities of the Mediterranean*, ISPROM (Rome)/PUBLISUD (Paris) Editions, Paris, 2004. ISBN 2-86600-987-8, pp. 25 - 58.
- In the Book « *Paths and Voices* », CNRPAH Ed., 2006, pp. 75 – 89. ISBN : 9961-716-18-3.

- In the Book « *Raimundus, Christianus Arabicus* », Iemed Ed., Barcelona, 2007, ISBN : EAN13-9788439374169.
- In the Book « *Quel mar che la terra inghirlanda. Studi mediterranei in ricordo di Marco Tangheroni* », a cura di Franco Cardini e Maria Luisa Ceccarelli, Pacini Ed., Pisa, 2007, ISBN – 10 :88-7781-863-8.
- In the Book "*Els Amazics Auvi, la Cultura Berber*", Pagès Ed., Barcelona 2009, pp. 167 – 174. ISBN: 978-84-9779-804-4.
- In the Book "**Manuel Teixeira Gomès: Ofício de viver**", Maria Da Graça A. Mateus Ventura Ed., Tinta da China Ed., Lisboa (Portugal), 2010, pp. 231 – 247.
- In the Book "*Synoptikus : Blends Offered to Dominique Urvoy*", University of Toulouse Ed., 2011, ISBN : 978 – 2 – 7466 – 4095 – 5.
- In the Book « *Berber Paths : New Blends : 90 years of the Galands* », edited by Amina Mettouchi, "Berber Studies" Series, Vol. 33, Rüdiger Köppe Verlag Ed., 2011, pp. 119 - 126. ISBN: ISBN: 978-3-89645-933-6.
- In the Book « The City vis-a-vis the Challenges of its Change: Urbanisation, Settlement and Health « *The City vis-a-vis the Challenges of its Change: Urbanisation, Settlement and Health* », Mondes Méditerranéens Ed., Paris, 2015.
- In the Book « *Ramon Llull i Els Diàlegs Mediterranis* », Iemed Ed., Barcelona, 2016, pp. 40 – 51, ISBN : 978 84 393 9396 2
- In the Book « *Argelia – Espana. Puentes en la Histoire* », Fundacion El Legado Andalusi Ed., Grenada (Spain), 2017
- In the Book « *Algérie – Espagne. Un Pont à travers l’Histoire* », Fundacion El Legado Andalusi Ed., Grenada (Spain), 2017.

V – Book’s Editor

- *Models of Reliability and Engineerings I*, Lamos Ed., Bejaia, 1988, 163 pages [cf. Maintenance Magazine N° 1, 1988, pp. 27 - 28].
- *Mathematics Applied to Textile Industry*, Lamos Ed., Bejaia, 1991, 142 pages [cf. *Textile on software*, In « le Pays » N° 21, September 1991, pp. 18].
- *Methods and Tools of Decision-making Aid I*, Bejaia, 1992, 2 Volumes 737 pages [cf. **Matapli** Magazine (French Society of Applied and Industrial Mathematics), N° 35, July 1993, pp. 71 – 72].
- *Bejaia and its Region through the Ages :History, Society, Science, Culture*, Proceedings of the International Conference, November 1997, 600 pages (to be published by Publisud – Paris – cf. **Pagine Dante** magazine, Anno LXXII – series 3 – n° 2, Roma, Aprile – Giugno 1998, pp. 53 – 54 and **Tiziri** Bulletin N° 11, Bruxelles, March 1998, pp. 06 – 12) .
- *Models of Reliability and II*, E.M.P Ed., Bordj-el-Bahri, 1998, 158 pages [cf. **MATAPLI** Magazine (French Society of Applied and Industrial Mathematics), N° 54, Paris, April 1998, pp. 65 – 66].
- *Data Bases and Statistical Processings*, Lamos Ed., Bejaia, 2003, 52 pages [cf. *Campus* magazine of Tizi Ouzou University, n° 01, January 2006, pp. 21 – 27].
- *Mathematics Seminar of Bejaia*, Account of the sessions 2002 – 2003, Lamos Ed., December 2003, 46 pages ISSN: 1112 – 9433 (also see issues of 2003/2004, 2004/2005 and 2005/2006), (in collaboration with Ouiza Lekadir).
- *Stochastic and Statistical Modeling*, Alger, U.S.T.H.B. Ed., 2004, 300 pages ISBN: (in collaboration with Kamel Boukhetala).
- *Methods and Tools of Decision-making Aid II*, Lamos Ed., Bejaia, 2007, 854 pages. ISBN: 978-9947-1958-0. [cf. A.P.S. dispatches of 19 and 21 November 2007].
- *The Actuary profession and Financial Mathematics*, Accounts of the National Workshop,

Bejaia, May 2009, 22 pages.

- *Transport. Stakes and Outlook*, Accounts of the International Specialized Seminar, Bejaia, April 2009. 37 pages. (M.S. Radjef et Aïssani D. editors)

- *Mohamed Chérif Sahli (1906 – 1989)*, Gehimab Ed., 2014, 90 pages. ISBN : 978-9931-9140-1-3.

- *Pre-theater and forms of representation of the show in the old cultures: Asia and North Africa*, Accounts of the Scientific Symposium of the International Festival of Theater of Bejaia, Ministry of Culture Ed., Algiers/Bejaia, 2013.

- *Théâtre et Architecture : Interrogation sur les espaces de représentation*, Actes du Colloque Scientifique du Festival International du Théâtre de Béjaia, Ministère de la Culture Ed., Alger/Béjaia, 2014.

- *Le Rite et le Sacré dans le Théâtre Contemporain*, Actes du Colloque Scientifique du Festival International du Théâtre de Béjaia, Ministère de la Culture Ed., Alger/Béjaia, 2015.

- *Théâtre et Mythologie ven Méditerranée*, Actes du Colloque Scientifique du Festival International du Théâtre de Béjaia, Ministère de la Culture Ed., Béjaia, 2016.

VI – Books

- *Bougie in the Middle Ages: mathematics in the intellectual movement*, Ed. IREM de Rouen, ISBN : 2-86239-049-6, 1993, 112 pages.

- *A Scholarly Library of Manuscripts in the Depths of the Kabylie*, Publisud, Paris (in collaboration with D.E. Mechehed).

- *Ibn al-Banna's Mathematics (1256 – 1321) Marakech*, Ed. IREM of Rouen, 1995, 133 pages (in collaboration with Elisabeth Hébert and al.). ISBN: 2-86239-063-1.

- *Electrical Reliability*, Lamos Ed., Bejaia, 2003, 121 pages.

- *Monograph of Sidi Aïch by Auguste Veller (1888)*, Ibis Press Edition, Paris, 2004 . ISBN : 2 – 910728 - 45 - 5. (in collaboration with Judith Scheele – Oxford).

- *Analysis, Optimization and Stochastic Models*, LAMOS Ed., Bejaia, April 2004, 200 pages.

- *Local Actors and Immaterial Heritage : the Role of the Historical Cities of the Mediterranean*, ISPROR (Rome)/PUBLISUD (Paris) Editions, Paris, 2004. ISBN 2-86600-987-8 (in collaboration with Giovanni Lobrano and A. Sid Ahmed).

- *Bejaia, Knowledge Transmission Center*, C.N.R.P.A.H. Alger Ed., 200 pages, ISBN : 978 – 9961 – 716 – 23 - 6 (legal deposit: 2279-2008), Algiers 2008 (in collaboration with Slimane Hachi).

- *Manuscripts of Kabylie: Catalogue of the Ulahbib Collection*, C.N.R.P.A.H. Alger Ed., 2010, 231 pages (in collaboration with D.E. Mechehed).

- *Convenient Maintenance of Multi-Components Systems: Modeling, Optimization, Uncertainties and Industrial Applications*, Editions Universitaires Européennes, Sarrebruck (Germany), April 2011, 148 pages. ISBN: 978 – 613 – 1- 57164 – 0 (co-authors: Laggoune R. and Chateau-neuf A.).

- *Comparative study of the Methods of Stability of the Stochastic Models: Quantitative and qualitative methods*, European University Editions, Sarrebruck (Germany), April 2011, 100 pages. ISBN: 978 – 613 – 1 – 56841 – 1 (co-author Dris D.).

- *Performance Evaluation of the Computer Systems: Approach of Strong Stability*, European University Editions, Sarrebruck (Germany), June 2011, 142 pages. ISBN: 978-613-1-58270-7 (co-author Bouallouche-Medjkoune L.).

- *NonParametric Estimation and Performance Evaluation: case of the reliable, unreliable systems and Communication networks*, European University Editions, Sarrebruck (Germany), May 2011, 140 pages. ISBN: 978 – 613 – 1- 57872 – 4 (co-authors, Cheurfi-Lagha K. and Adjabi S.).

- *The Intellectual Exchanges Bejaia – Tlemcen*, Department of Exhibitions Ed., Ministry of Culture, Tlemcen/Algiers, September 2011, 60 pages. ISBN: 978-9961-9981-9-9 (M. Djehiche and other collaborators).
- *Complex Web Services: Discovery, Composition, Selection and Orchestration*, European University Editions, Sarrebruck (Germany), August 2011, 224 pages. ISBN: 978-613-1-59246-1 (co-authors: Talantikite – Nacer H. and Boudjlida N.).
- *History and Direction*, C.N.R.P.A.H. Alger Ed., 2011, 401 pages (in collaboration with Ahmed Ben Naoum).
- *The Intellectual Exchanges Bejaia – Tlemcen*, Ministry of Culture Ed., December 2011, 172 pages. ISBN: 978 – 9961 – 9981 – 8 – 2 (legal deposit: 4176 – 2011).
- *Scientific Manuscripts of the Maghreb*, Department of Exhibitions Ed., Ministry Culture, Tlemcen/Algiers, June 2012, 88 pages. ISBN: 978-9931-361-04-6 (M. Djehiche and other collaborators).
- *Bejaia – Tlemcen Relationships and the Scientific Tradition of the Maghreb*, Aglaë Ed., Algiers, 2012, 160 pages. ISBN: 978 – 9961 – 9869 – 9 – 8. (legal deposit: 15 – 2012).
- *Scientific Manuscripts of the Maghreb*, Department of Exhibitions Ed., Ministry Culture, Tlemcen/Algiers, June 2012, 165 pages. ISBN: 978-9931-361-06-0.
- *The Intellectual Exchanges Bejaia – Tlemcen*, Art Book, Department of Exhibitions Ed., Ministry Culture, Tlemcen/Algiers, January 2013, 150 pages. ISBN: 978-9961- 9981-9-9. (in Arabic) ;
- *Scientific Manuscripts of the Maghreb*, Department of Exhibitions Ed., Ministry Culture, Tlemcen/Algiers, February 2013, 165 pages. ISBN : 978-.9931-361-06-0. (in Arabic)
- *Performance Evaluation and Quality of Service*, Lamos Editions, Bejaia, May 2013, 300 pages. ISBN: 978-9931-9140-0-6.
- Strong Stability in the Networks of Queues: case of the two stations in tandem networks, French-speaking Academic Presses, Ed., September 2013, 200 pages. ISBN : 978-3-8416-2200-6.
- Stochastic Decomposition in the Waiting Systems with Recalls, French-speaking Academic Presses, Presses Académiques Francophones Ed., Juin 2014, 124 pages. ISBN : 978-3-8416-2200-6. <https://www.presses-academiques.com>
- *Verification and Evaluation of Computer and Communication Systems*, Lamos Ed., Bejaia, September 2014, 172 pages. ISBN : 978 – 9931 – 9140 – 3 – 7. <http://ceur-ws.org/> Vol-1156.
- *Analyse des Systèmes d'Attente avec Rappels et Arrivées Négatives : Stabilité Forte, Approche des Martingales, Analyse de la Période d'activité*, Editions Universitaires Européennes, Sarrebruck (Germany), Juillet 2016.
- *Estimation non Paramétrique pour la Stabilité des Systèmes d'Attente*, Presses Académiques Francophones Ed., Août 2016, 144 pages. ISBN : 978-3-8416-4149-6.

VII – Exhibitions

Curator of twenty specialized. Among which :

- “The *Intellectual Relationships between Bejaia and Pisa*” (Leonardo Fibonacci, Raymond eLulle,...), Exhibition, Regional Theater of Bejaia, December 1993 (in collaboration with the Italian Cultural Institute);
- “*Bejaia (Bugia) and the Abaci Liber*”, Exhibition on the occasion of the world *celebration of the 800th anniversary of the publication of the Liber Abaci* (principal work of the Italian mathematician Léonardo Fibonacci), 1st of November Plaza, Bejaia, June 2002-January 2003;

- ***Bejaia, Knowledge Transmitting Center***, C.N.R.P.A.H. Algiers, March 2007. Presented at the Cultural Center of Kouba Algiers (March-April), then in Bejaia (Bordj Moussa Museum, May 2007-October 2008).
- ***Qal'at n'Ath Abbas: an Independent Sultanate in the Bibans in the 16th Century***, Exhibition on the occasion of the 500th anniversary of the foundation. C.N.R.P.A.H. Algiers ED., May 2010. Presented in Bejaia (May), Algiers (El Mouggar Auditorium, October 2010) and in Biskra (Cultural Center, December 2010, within the framework of the International symposium on the Amazigh Kingdoms of the Muslim era, H.C.A. ED.).
- Exhibition, ***“Manuscripts of Astronomy of the Maghreb”***, Exhibition within the framework of the International symposium on the History of Sciences, U.S.T.H.B. Bab Ezzouar, Algiers, June 2011.
- ***The Bejaia – Tlemcen Intellectual Exchanges***, Ministry of Culture ED., Cultural Center of Tlemcen, October-September 2011 (see Jawhara Magazine n° 1.2011).
- ***Scientific Manuscripts of the Maghreb***, Ministry of Culture ED., National Center of Research on the Andalusian Studies, Tlemcen, June 2012.
- ***The Intellectual Exchanges Bejaia – Tlemcen***, Ministry of Culture ED., Bordj Moussa Museum, Bejaia, May 2012.
- ***The Golden Age of Sciences in the Land of Islam***, Ministry of Culture ED., National Center of Research on the Andalusian Studies, Tlemcen, June 2012.
- ***Ludwig Salvatore von Habsburg – Toskana in Bougie: Engravings and Testimonies***, International exhibition produced within the framework of the project Nixe III (Palma de Majorque, Vienna, Prague, Bejaia), T.R.B., November 2012 (see on the website: <http://www.nixe3.com>).

VIII – Museums

Gehimab Association, in collaboration with various institutions founded the following museums:

- ***Museum of the Math-Forum part*** of the Web server (<http://www.Gauthier-villars.fr>) of the Publisher Gauthier-Villars (Paris-France), in 1996;
- ***Afniq Ccix Lmuhub*** (erudite Library of manuscripts of Cheikh Lmuhub), Tala Uzrar, Municipality of Aïn el Gradj (Wilaya de Sétif). In collaboration with the Ulahbib family, the Municipality of Aïn el Gradj (funds of the Canadian Government), 2002.
- ***Reference Library on the Local History*** (in collaboration with the Sub-prefecture of Béni Ourtilane and the Municipality of Aïn al-Gradj – Wilaya of Sétif), within the framework of a financing of Wilaya of Sétif, 2000).
- ***Iconographie ancienne de Béjaia (Peinture, estampes, tableaux,...): Identification et localisation, 2001.***

- *Galerie de Peinture et des Arts Graphiques Emile Aubry Béjaia* (Reconstitution et Réhabilitation dans le cadre d'une convention avec l'Agence Algérienne d'Archéologie – Ministère de la Culture – Alger, 2000).
- *Mediterranean Southern center of Local Know How* (within the framework of CPVHM, 2003)
- *Museum of Geology*, Sidi Ouali (Bejaia). In collaboration with Prof. Yves Bodeur and the National park of Gouraya, 2009.
- *Museum of Water*, L'Had Ouakli, Toudja. In collaboration with the Municipality of Toudja, the Hydraulic Authorities,... and within the framework of a European financing NGO II and the Province Council of Bejaia.
- *Road of Water*, Path of the Mills and Festival of Water (within the framework of a project NGO II of the European Union), 2010.
- *Museum of Ath Waghlis* in 2012 (cf. <http://www.ath-waghlis.com>)
- *National Research Center on the Andalusian Studies* - Tlemcen in 2012.

IX – Theater Plays

The Regional Theater of Bejaia, in collaboration with 'Association Gehimab produced the following shows:

- “*Léonardo Fibonacci in Bugia*”, Director: Lucca Radaëlli (Milan). The premiere took place in June 2007 at the T.N.A. Algiers within the framework of the event “*Algiers, capital of the Arab Culture 2007*”. This show was presented in several International specialized Conferences: 1st International Seminar on the History of Sciences (USTHB Algiers, October 2008), International symposium on “the Catalan philosopher Raymond Lulle and the Scientists of Bejaia” (Bejaia, November 2007), International symposium “Islam and Rational Sciences” (Aurassi Hotel - T.N.A April 2009),...
- “*Mashdaly Zwawi fi Tilimsan*”, Director: Omar Fetmouche (Bejaia). The premiere took place on September 29th, 2011 at the Cultural Center of Tlemcen within the framework of the event “Tlemcen, capital of the Islamic Culture 2011”. This show was presented at the University of Tizi Ouzou (Operational Research Symposium) in November 2011 and programmed in Algiers in March 2012 for the 38th anniversary of the USTHB. The show was invited by Wilaya of Bouira for the celebration of the fiftieth anniversary of the independence of Algeria (July 4th at Mehdallah and July 5th at the Cultural Center of Bouira).
- « *al-Rihla al-Feggouniyya* ». Metteur en scène Omar Fetmouche (Théâtre Régional Béjaia). Texte : Djamil Aïssani, Omar Fetmouche,... (dans le cadre de la manifestation : Constantine, capitale de la culture 2015) ; <http://gehimab.org/>

X – Distinctions (of the LAMOS and GEHIMAB)

- Medal of the University of Pisa in 1994 (works on the reports of the Italian Mathematician Léonardo Fibonacci with the City of Bejaia);

- Medal of the town of Lisbon in 1997 (works on the reports of former Portuguese President Manuel Teixeira Gomès with the City of Bejaia);
- **Mouloud Mammeri** Award of recognition 1997 (for the discovery, the restoration and valorization [development of the catalogue, production of an exhibition,...] of the Khizana (erudite library) of manuscripts of Lmuhub Ulahbib;
- Distinction of the United States Department of Commerce (Washington D.C.), for the animation of University to Business Technology Transfer Consultative Tour (Washington D.C., University of Myriland, Virginia Tech, Atlanta), October 2003.
- Honorary Award of the ANDRU 2008 (Gehimab) for the structuring portfolio of the international celebration of the 700th anniversary of the *Raymond Lulle* « disputes » - Ulemas of Bejaia (Algiers – Barcelona – Palma de Mallorca – Frankfurt – Palermo – Bejaia – Perpignan).
- Medal of the City of Portimao in 2010 (contribution to the celebration of the 150th anniversary of the birth of former Portuguese President Manuel Teixeira Gomès);
- Award of the Best poster/publication at the International Workshop of Astrophysics, University of Constantine, 2010 (see the publication of the AIP – American Institute of Physics – ISBN: 978-0-7354-0852-4.).
- Medal - Distinction of the exhibition « *Tlemcen, capital of the Islamic culture 2011* », for the production (as curator) of the Giant Exhibition « *Intellectual exchanges Bejaia – Tlemcen* ». ;
- « Manuel Teixeira Gomès » Medal, awarded by the Municipality of Portimao (Portugal), October 2012.
- Distinction of the authorities and the Friends of Arxiduc” (Palma de Mallorca) for the contribution to the project Nixe III, November 2012.
- Distinction of the Regional Theater of Bejaia for the contribution to the production of the shows « *Leonardo Fibonacci in Bugia* » and « *Mashdaly Zwawi fi Tilimsan* », December 2012.
- Young Searcher Award for our PhD Student **Lamri Sayad** for the paper : L. Sayad, D. Aïssani, « *A novel nature – inspired routing protocol for MANET* », Proceedings of the Conférence C2i’2014 (Conférence sur l’Ingénierie Informatique), Bordj el Bahri, Ministry of the National Defence, December 2014.
- Distinction of the Ministry of the Culture for the contribution to the *Months of the Heritage*, May 2014.