

CURRICULUM VITAE

Name : (Mme) Lyoussi

Surname: Badiaâ

Position: Professor, Director of Research, Head of Laboratory
Physiology- Pharmacology-Environmental Health

Date of birth : November 24th 1958, Sefrou, Morocco.

Marital status : Married, five children.

Address : Department of Biology, Experimental and clinical pharmacology
group. Laboratory of Physiology –pharmacology-environmental
health, UFR : Physiology-Pharmacology,University of Fez,
POBox 1796 Fez Atlas, Fez, Morocco

Tel : W: 00 212 535 64 23 89
D: 00 212 535 749996 : mobile : 00212661354246

Fax : 00 212 535 94 34 55

E. Mail : lyoussi@rocketmail.com or lyoussi@menara.ma
lyoussi@gmail.com

UNIVERSITY FORMATION

<i>Years</i>		<i>University / Institution</i>
1981	Licence in Biology - Geology	University Mohamed V, Fac Sci. Rabat Morocco
1982	DEA in Endocrinology and Development (AB)	U.S.T.L, Montpellier, France
1984	Doctorat in Neuroendocrinologie (TB) (Prof J.D. BAYLE)	U.S.T.L. Montpellier, France
1992	Doctorat (Scientific grade) very high distinction Pr Crabbé. J	Catholic University of louvain Belgium

ACADEMIC APPOINTMENTS

** EDUCATION*

- **1984 - 1987** : Professor Assistant l'Ecole Normale Supérieure of Fès
- **1987-1989** : Professor assistant , Faculty of Sciences Dhar-Mahraz
- **1989- 1992** : Stage of 3 years in Brussels, Belgium, obtention of Second Doctorat
- **1992 - 1997** : Professor of Physiology-Pharmacology , Faculty of Sciences Dhar-Mahraz, Responsable of courses of Endocrinology, Renal Physiology, Neurophysiology and cellular physiology and practical Workshops.

Participation in courses of DEA BIOLOGY AND HEALTH in Marrakech,
Responsable of high level courses « : MOLECULAR AND CELLULAR ENDOCRINOLOGY »

** RESEARCH EXPERIENCE*

Head of Unity of Formation and Research in Physiology-Pharmacology

- ◆ Doctorale Formation entitled : **Medicinal plants with therapeutic effects : Physiological and toxico-pharmacological studies**
- ◆ DESA Formation (Master) entitled : **Molecular and cellular physiopathology**

Supervision of superior studies and PhD. Students at the Faculty of Science, Faculty of Medicine, Nurses in Public Hospitals, Doctors, Ingeniors and Arabic researchers (Yemen, Jordan, Mauritany, Algeria, Comores, etc....

- Master projects : 13
- PhD : 40

Supervise staff working in the Laboratory Physiology-Pharmacology & Environmental Health in the areas of:

- (i). Research and development,
- (ii). Medicinal plants research, quality control
- (iii). Biomarkers of pollution and health impact .
- (iv). Organize training programs, symposium and international conferences

International link:

Maintaining good contacts or working closely with scientific group leaders in the European and American Universities, organizations, institutions and herbaceutical and pharmaceutical industries related to projects and programs in research and scientific knowledge in Advance Pharmacology, Alternative Medicine and Pharmaceutical Molecular pathologies (Diabete, obesity, hypertension, resistance to antibiotic...).

Scientific Presentation:

Presenting scientific papers in the national and international conferences and meetings related to the advance/complementary medicine and medicinal plants technologies in cardiovascular, metabolic pathologies, and the new biopharmaceuticals molecules, environmental health and impacts of pollutants

Research topics :

- Screening and collection of data concerning regional and national valorisation of medicinal plants and their use by population and establishing a formal application by contacting traditional herborists
 - Heavy metals, environment and health
 - Hormonal and metabolic control of kidney function: Effects of depurative medicinal plants
 - Physiopathology of diabete : Implications of medicinal plants
 - Intoxication by heavy metals : Models of renal failure
 - Acute and chronic toxicity of extracts of Moroccan medicinal plants
 - Genetic models of hypertension : Therapeutic effects of medicinal plants
 - Genetic models of obesity : Effects of natural remedies
 - Biological and genetic abnormalities of diabete, obesity, hypertension in susceptible population
 - Impact of heavy metals and environmental pollutants on biomarkers of kidney in children, teenagers, women

SCIENTIFIC PUBLICATIONS

1. **Lyoussi, B.**, Beaujean, V. & Crabbé, J. (1989). Influence of aldosterone on conductive chloride movement across amphibian skin. **Arch. Int. Physiol. Biochim** 98 : P67- P68
2. **Lyoussi, B.**, Granitzer, M., Nagel, W. & Crabbé, J. (1991). Effect of dexamethasone on regulation of Na transport in cultured renal distal cells. **Arch. Int. Physiol. Biochim** 99 (2) P18
3. Granitzer, M., **Lyoussi, B.**, Nagel, W. & Crabbé, J. (1991). Effect of dexamethasone on membrane properties in cultured renal distal cells (A6). **Cell Physiol. Biochem**, I :263- 272
4. Granitzer, M., **Lyoussi, B.**, Nagel, W. & Crabbé, J. (1991). Effect of oxytocin on electrophysiology of cultured renal distal epithelia. **Arch. Int. Physiol. Biochim** 99 (2) : P31
5. Granitzer, M., **Lyoussi, B.**, Nagel, W. & Crabbé, J. (1991). Apical Na⁺ entry in cultured renal distal epithelia (A6). International Symposium on aldosterone, 1991, France. Aldosterone Fundamental aspects Ed by J.P Bonvalet, N, Farman, M Lombès, ME Rafestin-Oblin. Vol 215 p 331
6. Granitzer, M., **Lyoussi, B.**, Nagel, W. & Crabbé, J. (1991). Effect of dexamethasone on membrane conductance and (Na⁺ + K⁺) / ATPase activity in cultured A6 cells. 70; Tagung der Deutschen Physiologischen Gesellschaft, Sawt 1991 in Freiburg, Germany, **Pflügers Archiv** 419 (Suppl N 1) : R97 (118)
7. **Lyoussi, B.** & Crabbé, J. (1991). Modulation of (Na⁺ + K⁺) / ATPase by apical Na⁺ entry in cultured renal distal epithelial cells. **Pflügers Arch** 419 : R8
8. **Lyoussi, B.** & Crabbé, J. (1991). Stimulation du transport de Na⁺ par la dexaméthasone dans une lignée épithéliale rénale en culture. **Arch. Int. Physiol. Biochim** 99 : A197

9. **Lyoussi, B.**, Beaujean, V. & Crabbé, J. (1991). Corrélation entre l'entrée apicale du Na^+ et l'activité de la ($\text{Na}^+ + \text{K}^+$)-ATPase dans une lignée épithéliale rénale en culture (A6). **Arch. Int. Physiol. Biochim** 99: A105.
10. **Lyoussi, B.** & Crabbé, J. (1992). Influence of osmolality on transepithelial Na^+ transport by A6 line (A6) derived from the distal renal tubule of *Xenopus laevis*. **Arch. Physiol. Biochim**, 100 (1) : P4
11. **Lyoussi, B.** & Crabbé, J. (1992). Relationship between Na^+ transport rate and ($\text{Na}^+ + \text{K}^+$)-ATPase in A6 cells : Effect of low ambient K^+ . **Arch. Int. Physiol. Biochim** 100 (2) P19
12. **Lyoussi, B.** & Crabbé, J. (1992). Influence of apical Na^+ entry on ($\text{Na}^+ + \text{K}^+$) -ATPase in amphibien distal nephron cells (A6). **J. Physiol (london)** : 456: pp 655 - 665.
13. **Lyoussi, B.** & Crabbé, J. (1995). Effect of steroid hormones and peptides on the regulation of ($\text{Na}^+ + \text{K}^+$)-ATPase in tight epithelia . **Pflügers Arch.** Vol 430 N° 4 , R29
14. **Lyoussi, B.** & J. Crabbé. (1996) Effects of corticosteroids on parameters related to Na^+ transport by amphibian renal distal cells (A6) in culture. **J. Steroid. Biochem. & Mol. Biol.** Vol 59, N° 3/4 pp: 323 -331 .
15. **Lyoussi, B.** & J. Crabbé. (1996) Effects of dexamethasone on ($\text{Na}^+ + \text{K}^+$)-ATPase and other parameters related to transepithelial Na^+ transport by amphibian renal distal cells (A6) in culture. **J. Steroid. Biochem. & Mol. Biol.** Volume 59, N° 3 / 4 pp: 333 -338.
16. **B. Lyoussi**, H. Rhiouani and A. Settaf. Diuretic effects of extracts of *Herniaria glabra* in rats. Autumn Meeting 16 November 1996, Gent, Belgium. **Pflügers Arch.** Eur. J. Physiol., 1997, 433: R5-R12.
17. **B. Lyoussi**, H. Rhiouani, A. Settaf, Y. Cherrah and M. Hassar. Diuretic and antihypertensive effects of saponins from *Herniaria glabra* in spontaneous hypertensive rats (SHR). XIIIth International Congress of Pharmacology 26-31 July 1998, Munchen, Germany. **Archives of Pharmacology**, supplement 1 to volume 358 N°1, 1998.
18. **B. Lyoussi**, Lotfi, A. , D. Chabardès. PGE2 and carbachol induces an inhibition of cAMP in the glucagon sensitive cells of the rat OMCD. International Congress of Pharmacology, Munchen, Allemagne , 26-31 juillet 1998 , **Arch of Pharmacology**, supplement 1 V358(2), 1998
19. F. Lamchouri, A. Settaf, Y. Cherrah, M. Zemzami, **B. Lyoussi**, A. Zaid, N. Atif, M. Hassar (1999). Antitumor principles from Peganum harmala seeds. **Thérapie**, 54 753-758
20. H. Rhiouani, A. Settaf, **B. Lyoussi**, Y. Cherrah et M. Hassar. Action diurétique des saponines de *Herniaria glabra* chez le rat spontanément hypertendu. **Espérance Médicale**, 1999, 47: 68-71.
21. H. Rhiouani, A. Settaf, **B. Lyoussi**, Y. Cherrah et M. Hassar (1999). Effects of saponins from *Herniaria glabra* on blood pressure and renal function in spontaneously hypertensive rats. **Thérapie** 54 (6) 735-9
22. M. Haloui, J.Baptiste Michel, **B. Lyoussi** (2000). Experimental diuretic effects of Rosmarinus officinalis and Centaurium erythrea . **J. Ethnopharmacology** 71 (3) 465-472
23. M. Haloui, J.F. Arnal, I. Pham, W. Gonzalez, **B. Lyoussi**, J.Baptiste Michel (2000). Functional Compartmentation of endocrine actions of cardiac natriuretic peptides. **Ann Endocrinol (Paris)** 61(1) 32-40
24. F. Lamchouri, A. Settaf, Y. Cherrah, M. Hassar, M. Zemzami, N. Atif, E.B. Nadori, A. Zaid, **B. Lyoussi** (2000). In vitro cell toxicity of Peganum harmala seedsalkaloids on cancerous cell-lines. **Fitoterapia**, 71 (1) 50-54
25. H. Jouad, M. Eddouks, MA Lacaille-Dubois, **B. Lyoussi** (2000). Hypoglycaemic effect of the water extract of *Spergularia purpurea* in normal and streptozotocin induced-diabetic rats. **Journal of Ethnopharmacology** 71 (1-2) 169-77

26. Emery, E, Rhrich-Haddout, F, Kassar-Duchossoy, L, **Lyoussi, B**, Tadie, M, Horvat, C. (2000). Motoneurons of the adult marmoset can grow axons and reform motor endplates through a peripheral nerve bridge joining the locally injured cervical spinal cord to the denervated biceps brachii muscle. *J. Neurosci. R* 62 (6) 821-9
27. H. Rhiouani, **B. Lyoussi**, A. Settaf, Y. Cherrah et M. Hassar (2001). Antihypertensive effect of *Herniaria glabra* saponins in the spontaneously hypertensive rat **Ann Pharm Fr**, 59(3) , 211-4
28. M. Benwahhoud, H. Jouad, M. Eddouks, **B. Lyoussi**.(2001) Hypoglycemic effect of *Suaeda fruticosa* in streptozotocin-induced diabetic rats.**J. Ethnopharmacology**, 76 (1) : 35-8
29. H. Jouad, MA Lacaille-Dubois, **B. Lyoussi**, M. Eddouks (2001). Effects of the flavonoids extracted from *spergularia purpurea* Pers. on arterial blood pressure and renal function in normal and hypertensive rats. **Journal of Ethnopharmacology** 76 (2) 159-63
30. S. El Bardai, **B. Lyoussi**, M. Wibo, N. Morel (2001) Pharmacological evidence of hypotensive effects of *marrubium vulgare* and *foeniculum vulgare* in spontaneously hypertensive rats. **Clinical and experimental hypertension**, vol 23 (4), 329-345
31. Rhrich-Haddout. F, Kansar –Duchossoy, L., Bauchet, L. D, Destombes, J., Thiesson, D., Butler-Browne, G, **Lyoussi, B**, Baillet-Derbin, C, Horvat, JC. (2001). Alpha –motoneurons of the injured cervical spinal cord of the adult rat can reinnervate the biceps brachii muscle by regenerating axons through peripheral nerve bridges : combined ultrastructural and retrograde axonal tracing study. *J. Neurosci. Res* , 64 (5) : 476-86
32. F. Lamchouri, A. Settaf, Y. Cherrah, M. El Hamidi, NS. Tligui, **B. Lyoussi**, M. Hassar. Experimental toxicity of *Peganum harmala* seeds, *Ann Pharm Fr*. 60 (2), 123-9, 2002
33. J. Hilali and **B. Lyoussi** (2002) Hypoglycaemic effect of the lyophilised aqueous extract of *Ajuga iva* in normal and streptozotocin diabetic rats . **J. Ethnopharmacology**, vol 80, 109-113
34. **B. Lyoussi**, M.A. Ragala, A. Chraibi, S. Mantovani, H. De Togni (2002) . Riduzione del sovrappeso attraverso l'assunzione di aminoform 1000, associato ad un regime calorico controllato e attivita fisica , 1-16 **Edition Akros, Italie**
35. El-Bardai S, Wibo M, Hamaide MC, **Lyoussi B**, Quetin-Leclercq J, Morel N. Characterisation of marrubenol, a diterpene extracted from *Marrubium vulgare*, as an L-type calcium channel blocker. *Br J Pharmacol*. 2003 Dec;140(7):1211-6. Epub 2003 Nov 3.
36. El-Hilaly J, Hmammouchi M, **Lyoussi B**. Ethnobotanical studies and economic evaluation of medicinal plants in Taounate province (Northern Morocco). *J Ethnopharmacol*. 2003 Jun;86(2-3):149-58.
- 37.El Bardai S, Morel N, Wibo M, Fabre N, Llabres G, **Lyoussi B**, Quetin-Leclercq J. The vasorelaxant activity of marrubenol and marrubiin from *Marrubium vulgare*. *Planta Med*. 2003 Jan;69(1):75-7.
- 38.El Bardai S, **Lyoussi B**, Wibo M, Morel N. Comparative study of the antihypertensive activity of *Marrubium vulgare* and of the dihydropyridine calcium antagonist amlodipine in spontaneously hypertensive rat. *Clin Exp Hypertens*. 2004 Aug;26(6):465-74.
- 39.El-Hilaly J, **Lyoussi B**, Wibo M, Morel N. Vasorelaxant effect of the aqueous extract of *Ajuga iva* in rat aorta. *J Ethnopharmacol*. 2004 Jul;93(1):69-74.
- 40.El Bardai S, Hamaide MC, **Lyoussi B**, Quetin-Leclercq J, Morel N, Wibo M. Marrubenol interacts with the phenylalkylamine binding site of the L-type calcium channel. *Eur J Pharmacol*. 2004 May 25;492(2-3):269-72.

41.El Hilaly J, Israili ZH, **Lyoussi B**.

Acute and chronic toxicological studies of *Ajuga iva* in experimental animals.
J Ethnopharmacol. **2004** Mar;91(1):43-50.

42. A.Touzani, M. candito, L. Chabraoui, A. Balafrej, B. Benhamou, **B. Lyoussi**, M. Lahrichi
(**2004**). L'homoicystéinémie et le phosphate de pyridoxal chez les enfants et les jeunes diabétiques de type 1,
Revue Française des Laboratoires, 363, 29 - 33

43. Lyoussi B, Ragala MA, Mguil M, Chraibi A, Israili ZH.

Gender-specific leptinemia and its relationship with some components of the metabolic syndrome in Moroccans.
Clin Exp Hypertens. **2005** May;27(4):377-94.

44. Haddad, P, Le and **B. Lyoussi**. Antidiabetic plants of North Africa and the Middle East.

(**2005**) Book Volume "Traditional Herbal Medicines for Modern Times" - Antidiabetic Plants Chapter 12, pp
221 – 241 **Taylor & Francis**

45. Lyoussi B, Ragala MA, Mguil M, Chraibi A, Israili ZH (**2005**) Gender-specific leptinemia and its
relationship with some components of the metabolic syndrome in Moroccans. *Clin Exp Hypertens.*
May;27(4):377-94.

46. El-Hilaly J, Tahraoui A, Israili ZH, **Lyoussi B** (**2006**)

Hypolipidemic effects of acute and sub-chronic administration of an aqueous extract of *Ajuga iva* L. whole plant
in normal and diabetic rats.
J Ethnopharmacol. 2006 May 24;105(3):441-8

47. Tahraoui A, El-Hilaly J, Israili ZH, **Lyoussi B** (**2006**)

Ethnopharmacological survey of plants used in the traditional treatment of hypertension and diabetes in south-
eastern Morocco (Errachidia province).
J Ethnopharmacol. 2006 Sep 23

9/ Zafar H. Israili, Lyoussi Badiâa; Velasco Manuel; 2006; 1(3): 8-232006; 1(3): 8-23

Metabolic syndrome : treatment of hypertensive patients with this syndrome
Revista Latinoamericana de Hipertensión. Vol. 1 N° 4, **2006**

48. El-Hilaly J, Tahraoui A, Israili ZH, **Lyoussi B**.

Acute hypoglycemic, hypocholesterolemic and hypotriglyceridemic effects of continuous intravenous infusion of
a lyophilised aqueous extract of *Ajuga iva* L. Schreber whole plant in streptozotocin-induced diabetic rats. *Pak J
Pharm Sci.* **2007** Oct;20(4):261-8.

49. Lahlou S, Tahraoui A, Israili Z, **Lyoussi B** (**2007**)

Diuretic activity of the aqueous extracts of *Carum carvi* and *Tanacetum vulgare* in normal rats. *J
Ethnopharmacol.* *Ethnopharmacol.* 2007 Apr 4;110(3):458-63

50.Israili ZH, **Lyoussi B**, Hernández-Hernández R, Velasco M.

Metabolic syndrome: treatment of hypertensive patients.
Am J Ther. **2007** Jul-Aug;14(4):386-402. Review.

51.El-Hilaly J, Tahraoui A, Israili ZH, **Lyoussi B**.

Acute hypoglycemic, hypocholesterolemic and hypotriglyceridemic effects of continuous intravenous infusion of
a lyophilised aqueous extract of *Ajuga iva* L. Schreber whole plant in streptozotocin-induced diabetic rats.
Pak J Pharm Sci. **2007** Oct;20(4):261-8.

52.Lahlou S, Tahraoui A, Israili Z, **Lyoussi B**.

Diuretic activity of the aqueous extracts of *Carum carvi* and *Tanacetum vulgare* in normal rats. *J Ethnopharmacol.* 2007 Apr 4;110(3):458-63. Epub 2006 Oct 19.

53. Tahraoui A, El-Hilaly J, Israili ZH, **Lyoussi B.**

Ethnopharmacological survey of plants used in the traditional treatment of hypertension and diabetes in south-eastern Morocco (Errachidia province).

J Ethnopharmacol. 2007 Mar 1;110(1):105-17. Epub 2006 Sep 23.

54. El AY, Berraho M, Benslimane A, Chrit M, El Hassani H, **Lyoussi B**, Nejjar C.

Diabetes and erectile dysfunction in Morocco: epidemiological study among outpatients]

East Mediterr Health J. 2008 Sep-Oct;14(5):1090-100. French.

55. El Achhab.Y, El Fakir S, Ouédraogo N, El Rhazi K, Berraho A, **Lyoussi B**, Nejjar C. Accidents d'Exposition au Sang (AES) et dispositif de prise en charge: résultats d'une enquête réalisée auprès des professionnels de santé Cahiers du Médecin (sous presse).

56. El Achhab Y, Meyre D, Bouatia-Naji N, Berraho M, Deweirder M, Vatin V, Delplanque J, Serhier Z, **Lyoussi B**, Nejjar C, Froguel P, Chikri M.(2008)

Association of the ENPP1 K121Q polymorphism with type 2 diabetes and obesity in the Moroccan population.

Diabetes Metab. 2008 Nov 27.

57. Lahlou S, Tangi KC, **Lyoussi B**, Morel N (2008)

Vascular effects of *Tanacetum vulgare* L. leaf extract: in vitro pharmacological study.

J Ethnopharmacol. 2008 Oct 30;120(1):98-102.

58. M'guil M, Ragala MA, El Guessabi L, Fellat S, Chraibi A, Chebraoui L, Israili ZH, **Lyoussi B** (2008)

Is Ramadan fasting safe in type 2 diabetic patients in view of the lack of significant effect of fasting on clinical and biochemical parameters, blood pressure, and glycemic control?

Clin Exp Hypertens. 2008 Jul;30(5):339-57.

59. Rhiouani H, El-Hilaly J, Israili ZH, **Lyoussi B.** (2008)

Acute and sub-chronic toxicity of an aqueous extract of the leaves of *Herniaria glabra* in rodents.

J Ethnopharmacol. 2008 Aug 13;118(3):378-86. Epub 2008 May 15.

60. Lahlou S, Israili ZH, **Lyoussi B** (2008)

Acute and chronic toxicity of a lyophilised aqueous extract of *Tanacetum vulgare* leaves in rodents.

J Ethnopharmacol. 2008 May 8;117(2):221-7.

61. El Achhab Y, Nejjar C, Chikri M, **Lyoussi B.**

Disease-specific health-related quality of life instruments among adults diabetic: A systematic review.

Diabetes Res Clin Pract. 2008 May;80(2):171-84.

62. Cherkaoui-Tangi K, Lachkar M, Wibo M, Morel N, Gilani AH, **Lyoussi B.**

Pharmacological studies on hypotensive, diuretic and vasodilator activities of chrysin glucoside from *Calycotome villosa* in rats.

Phytother Res. 2008 Mar;22(3):356-61.

63. Aissaoui A, El-Hilaly J, Israili ZH, **Lyoussi B.**

Acute diuretic effect of continuous intravenous infusion of an aqueous extract of *Coriandrum sativum* L. in anesthetized rats.

J Ethnopharmacol. 2008 Jan 4;115(1):89-95

64. El AY, Berraho M, Benslimane A, Chrit M, El Hassani H, **Lyoussi B**, Nejjar C.

[Diabetes and erectile dysfunction in Morocco: epidemiological study among outpatients]

East Mediterr Health J. 2008 Sep-Oct;14(5):1090-100. French.

- 65.** Israili ZH, **Lyoussi B**, Hernández-Hernández R, Velasco M. Tratamiento de pacientes hipertensos con síndrome metabólico. In: Hypertension Arterial Para el Clínico, Hernández-Hernández R, Velasco M, Armas-Padilla, Maria Jose, eds., Dinamic Signs c.a., Caracas, Venezuela **2008**, pp. 401-422.
- 66.** A.Touzani, M. candito, L. Chabraoui, **B. Lyoussi**. Metabolic syndrome in moroccan children and adolescents . **Obesity 2011** (in press)
- 67.** Jabeen Q, Bashir S, **Lyoussi B**, Gilani AH.
Coriander fruit exhibits gut modulatory, blood pressure lowering and diuretic activities.
J Ethnopharmacol. **2009** Feb 25;122(1):123-30. Epub 2008 Dec 25
- 68.** Israili ZH, **Lyoussi B**.
Ethnopharmacology of the plants of genus Ajuga.
Pak J Pharm Sci. **2009** Oct;22(4):425-62.
- 69.** Tahraoui A, Israili ZH, Lyoussi B.
Acute and sub-chronic toxicity of a lyophilised aqueous extract of *Centaurium erythraea* in rodents.
J Ethnopharmacol. **2010** Oct 28;132(1):48-55. Epub 2010 Aug 26.
- 70.** Gaamoussi F, Israili ZH, Lyoussi B.
Hypoglycemic and hypolipidemic effects of an aqueous extract of *Chamaerops humilis* leaves in obese, hyperglycemic and hyperlipidemic Meriones shawi rats.
Pak J Pharm Sci. **2010** Apr;23(2):212-9.
- 71.** Ali El Antri a, Nadya Lachkar a, Hanane El Hajjaji a, Farah Gaamoussi b, Badiaa Lyoussi b, Brahim El Bali c, Nicole Morel d, Hassan Allouchi e, Mohammed Lachkar a,*
Structure elucidation and vasodilator activity of methoxy flavonols from *Calycotome villosa* subsp. *intermedia*
Arabian Journal of Chemistry (**2010**) 3, 173–178
- 72.** Troudi A, Bouaziz H, Soudani N, Ben Amara I, Boudawara T, Touzani H, Lyoussi B, Zeghal N.
Neurotoxicity and oxidative stress induced by gibberellic acid in rats during late pregnancy and early postnatal periods: Biochemical and histological changes.
Exp Toxicol Pathol. **2011** Jan
- 73.** Mediha Sefi, Hamadi Fetoui, Nadya Lachkar, AdilTahraoui, Badiaa Lyoussi, Tahia Boudawara, Najiba Zeghal
Centaurium erythraea (Gentianaceae) leaf extract alleviates streptozotocin-induced oxidative stress and β -cell damage in rat pancreas, J Ethnopharmacology, 2011
- 74.** Aissaoui A, Zizi S, Israili ZH, **Lyoussi B**.
Hypoglycemic and hypolipidemic effects of *Coriandrum sativum* L. in Meriones shawi rats.
J Ethnopharmacol. 2011
- 75.** Smail Aazza^{1,2*}, Badiâ Lyoussi¹, Maria G. Miguel²
Antioxidant and anticholinesterase activities of some commercial essential oils and their major compounds
Molecules. 2011 Sep 7;16(9):7672-90.
- 76.** Mharti FZ, Lyoussi B, Abdellaoui A
Antibacterial activity of the essential oils of *Pistacia lentiscus* used in Moroccan folkloric medicine.
Nat Prod Commun. 2011 Oct;6(10):1505-6.
- 77.** Smail Aazza^{1,2*}, Badiâ Lyoussi¹, Maria G. Miguel²
Antioxidant activity of some Moroccan hydrosols
Journal of Medicinal Plants Research Vol. 5(30), pp. 6688-6696, 16 December, 2011

COMMUNICATIONS

1. **Lyoussi, B.**, Herbuté, S. & Baylé, J.D. (**1984**) : Le rôle de l'hypothalamus dans la réponse thyroïdienne au froid. Premier Congrès Scientifique International organisé conjointement par l'Association Marocaine de Neurosciences et l'Association de physiologistes de France, rabat, **Morocco**
2. **Lyoussi, B.**, Herbuté, S. & Baylé, J.D. (**1985**) : Régulation noradrénergique centrale de la réponse thyroïdienne au froid. 110 ème Congrès National des Sociétés Savantes, Montpellier, **France**
3. **Lyoussi, B.**, Herbuté, S. & Baylé, J.D. (**1988**) : Influence des catécholamines dans la réponse thyroïdienne au froid. 2ème Congrès Scientifique International organisé conjointement par l'Association Marocaine de Neurosciences et l'Association de physiologistes de France à Laayoune, **Morocco**
4. **Lyoussi, B.** & Crabbé, J. (**1993**). Effect of K^+ depletion on ($Na^+ + K^+$) -ATPase in tight epithelia. International Colloque in Renal Transport.Paris, **France**
5. **B. Lyoussi**, H. Rhiouani. & A. Settaf. (**1997**). Diuretic effects of extracts of *Herniaria glabra* in rats. Pflügers Archiv 433 : R10, **Belgium**
6. M. Benwahhoud, A. Touzani, M. Lahrichi, **B. Lyoussi**. (**1997**). Effet hypoglycémiant de *Suaeda fruticosa* chez le rat streptozotocine. Symposium International Nutrition et Diabète , Rabat, **Morocco** . 23-25 Octobre 1997. Sous le Haut Patronage de Sa Majesté le Roi Hassan II
7. Eddouks, M., Berteloot, A., **Lyoussi, B** (**1997**). Régulation du transport du glucose par l'insuline et le glucose dans les tubules proximaux rénaux de lapin. Symposium International Nutrition et Diabète , Rabat, **Morocco** . 23-25 Octobre 1997. Sous le Haut Patronage de Sa Majesté le Roi Hassan II
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27/ B. Lyoussi (2006). Standardisation , valorisation et validation des produits d'origine végétale , Semaine Nationale de la Science, Thématique : Biotechnologie et valorisation des plantes, 18 Avril 2006

28/ Modèles animaux expérimentaux, exploration des plantes médicinales et des polluants toxiques, Faculté de Médecine et de Pharmacie de Sfax, Tunis, Juin 2006

29/ The International Congress on ethnopharmacology, 22-26 august 2006, Nanning, China : ethnobotanical studies and ethnopharmacological properties of Moroccan medicinal plants

30/ International Conference on Environmental epidemiology & exposure, september 2-6, 2006

31/ The future role of natural products in health care (2006)

2ème symposium international sur les plantes aromatiques et médicinales, Marrakech, 14-16 Septembre 2006

32/ B. Lyoussi. Relations entre la leptinémie et les autres paramètres du syndrome métabolique

(2006). Première Journée d'Endocrinologie, Diabétologie IBN SINA, Fac Médecine et de Pharmacie de Rabat, 16 Septembre 2006

33/ Mechanism(s) of antihypertensive action of plants used in traditional medicine (2006)

B. Lyoussi & Zafar H. Israili, Laboratory Physiology-Pharmacology & Environmental Health, Faculté des Sciences, Dhar El Mehraz, Fez, Morocco, Department of Med, Emory University, Atlanta. USA .
International Symposium on cardiovascular risk factors , 23-25 November 2006, Fez, Morocco

34/ B.Lyoussi & Zafar H Israili (2006)

Management of patients with the metabolic syndrome

The 4th conference on Scientific Research Outlook & Technology Development in the Arab World , Dec 11-14, 2006 , Damascus, Syria

35/ Lyoussi, B, Ragala MA, Chraibi A, S. Mantovani

Nutritional Supplement and Hypocaloric Diet for Weight Loss : A Randomized , Double- Blind Trial

The 4th conference on Scientific Research Outlook & Technology Development in the Arab World , Dec 11-14, 2006 , Damascus, Syria

36/ ASTF technical activities network (2006)

B. Lyoussi

The 4th conference on Scientific Research Outlook & Technology Development in the Arab World , Dec 11-14, 2006 , Damascus, Syria

37/ B. Lyoussi (2006)

Evaluation of The Health Risks of Heavy Metals Polluting the Environment

The 4th conference on Scientific Research Outlook & Technology Development in the Arab World , Dec 11-14, 2006 , **Damascus, Syria**

38/ B. Lyoussi (2006)

Success of women in Science

The 4th conference on Scientific Research Outlook & Technology Development in the Arab World , Dec 11-14, 2006 , **Damascus, Syria**

39/ B. Lyoussi (2007)

Innovative Science, Technology, Engineering partnership

International Conference on Women leaders in Science, Technology and Engineering, 8-10 January 2007, **Kuwait**

40/ Pr Badiia Lyoussi (2007)

Medicinal plants as dietary supplements in cardiovascular pathologies

V^{èmes} CONGRES DE LA SAHA Algerian Society of Hypertension

SAHA 21. 22 .23 Février 2007 Hôtel SHERATON ORAN

41/ B.Lyoussi (2007)

Role of ethnopharmacology in modern medicine
Symposium International sur le médicament de Phytothérapie, Constantine, Algérie, 17-19 Mars 2007

42/ B. Lyoussi (2007)

Evaluation of the health risks of heavy metals biomarkers of the polluting environment **International Conference "Environment: Survival and Sustainability" 19 - 24 February 2007, Near East University, Nicosia, Cyprus**

43. B.Lyoussi

Role of ethnopharmacology in the development of natural products
11th Scientific Meeting of the Egyptian Hypertension Society, Cairo, **Egypt, April 18-20, 2007**

44. B.Lyoussi

Herbal therapy of hypertension
11th Scientific Meeting of the Egyptian Hypertension Society, Cairo, **Egypt, April 18-20, 2007**

45. B.Lyoussi

Evidence-based therapeutic values of plants : From traditional aspects to scientific approaches International Traditional /complementary Medicine conference, Kuala Lumpur, Malaysia 17-20 July 2007

46. B.Lyoussi

Medicinal plants as therapeutic sources
Department of Pharmacology, **Jeddah, May 2007**

47. B.Lyoussi

Role of ethnopharmacology in modern medicine
THE FIRST REGIONAL SCIENTIFIC CONFERENCE ON TRADITIONAL ARABIC AND ISLAMIC MEDICINE AMMAN, August 8-10, 2007

48. Participation Conférence internationale : Women in engineering and technology research, 26-27 Octobre 2007, Palais de Luxembourg, Paris, France

49. B.Lyoussi(2007)

Strategy for research of new pharmacologically active molecules from plants for the treatment of pathologies.
International workshop on research for development, sustainable use and adding value of aromatic and medicinal plants, Chefchaouen, 7-9 November 2007

50. B.Lyoussi (2007)

Health risks of heavy metals polluting the environment : Biomarkers of metal toxicity in population studies. 5^{eme} international conference of Egyptian Society of Biotechnology and environmental Sciences, Fez, 19-21 November 2007

51. Badiia LYOUSSI (2008)

Impact of environmental pollutants on human health : new insight from biomarkers
Under the patronage of HRH Princess Sumaya Bint Al Hassan: Research, Development and innovation : Biotechnology in the Arab World Forum
The RDI: Biotechnology Scientific Committee. Jordan-Amman 3rd – 5th of March 2008.

52. B.LYOUSSI (2008)

Métaux lourds et stress oxydatif
2^{ème} journées internationales de toxicologie, 3-4 Décembre **2008**, BéniMessous, Alger

- 53. Badiaa Lyoussi**, Laboratory Physiology-Pharmacology-Environmental health,
University of Fez, Morocco.
Evidence – Based Therapeutic Values of Plants: From Traditional Aspects to Scientific Approaches.SRO5 , Fez,
Morocco 2008
- 54.** The 2nd Jordanian- Egyptian Biotechnology Conference . Biotechnology and Society : Prospects and
Challenges
November 11- 13, **2008**
- 55. B. Lyoussi (2009)**
Ethnopharmacological relevance of plants mentioned in the Holy Quran and Hadith
The First International Forum on the Quranic Garden, March 2-4 **2009**, Doha, Qatar
- 56. B.LYOUSSE (2009)**
Adipocytokines and some cardiometabolic factors associated with obesity in Moroccan population
The 13 Annual Scientific Meeting of Egyptian Hypertension Society, Cairo, 8-10 April **2009**
- 57.** The First Conference on Arab Women in Science and Technology: “ Empowerment for the Development of
the Arab world “ 28-30 September 2009, Dubai, United Arab Emirates
Initiative on empowerment of Arab S & T women for socio-economic Development in the Arab World
- 58.** The First Conference on Arab Women in Science and Technology: “ Empowerment for the Development of
the Arab world “ 28-30 September 2009, Dubai, United Arab Emirates
Panel discussion(s) and working group on supporting and empowerment of Arab S & T women
- 59.** Second International PROMETEA Conference
The scientific and technological careers of women and men
Private temporalities, professional temporalities; public and corporate policies
November 26-27, 2009, Maison de l'UNESCO
- 60.** PHIME meetings (Pillar II and III meetings and the informal Pillar I meeting)
Crete, 22-23 October 2007
- 61.** The Second Annual meeting Phime Project
Prague on 26-28 February 2008.
- 62.** Third Annual meeting Europeen Phime Project, 17-20 March 2009
Lund University Hospital Seminar rooms Getingevägen 4, Lund, Sweeden
- 63.** Meeting of Experts of European Project phime WP: III.1 (2009)
Worclaw , **Poland**, 9-10 November 2009
- 64.** Fifth Annual meeting 1-3 February **2011**, Brussels, Belgium
B.Lyoussi : WP: Ochratoxine A, renal biomarkers
- 65. Ethnopharmacological relevance of plants used in Moroccan population : from traditional knowledge
to scientific evidence**
International symposium on medicinal and aromatic plants, AROMED, Lucknow , India , **21-24 February 2010**
- 66.** Impact of Environmental pollutants on health
International conference on pollution, environmental health and sustainable development , Fez, Morocco,
November **8-12, 2010 Morocco**

- 67.** Therapeutic values of Moroccan plants : from traditional knowledge to scientific approaches
16th World Congress of Basic and Clinical Pharmacology, Copenhagen, Denmark , 17-23 July **2010**
- 68.** Lamchouri.F, B. Lyoussi
Medicinal plants and cancer. International conference on pollution, environmental health and sustainable development , Fez, Morocco, November **8-12, 2010 Morocco**
- 69.** B.Lyoussi
3ème Congrès International : La toxicologie **2010** au delà de la dimension médicale
Impact des perturbateurs endocriniens environnementaux sur la santé
11-1 » Novembre 2010
- 70.** B.Lyoussi
Arab Women Scientists networking : Diagnostics and perspectives
la REFSCIME 2010 (RENCONTRE DES FEMMES SCIENTIFIQUES MEDITERRANNEENNES) , 06 et 07
Décembre 2010, Skikda, Algeria
- 71.** B.Lyoussi
" Syndrome métabolique chez l'homme et chez l'animal : Effets antioxydants des plantes alimentaires et médicinales" Conférence dans le cadre du master « Mouvement, sport, santé » **13 Décembre 2010** à l'Université de Rennes 2, France
- 72.** B.Lyoussi
Bahrain 2011 Pan Arab and European HTN Conference, 11-13February **2011**
Adipocytokines and some cardiometabolic factors associated with obesity in Moroccan population
- 73.** B.Lyoussi
Bahrain 2011 Pan Arab and European HTN Conference, 11-13February **2011**
Oxydative stress and antioxydants in hypertension
- 74.** B. Lyoussi,
Famous Traditional Doctors from Maghreb
Denizli, Turkey, Mars 2011
- 75.** B.Lyoussi
'Linking ethnopharmacology with the Moroccan public'
22nd PACIFIC SCIENCE CONGRESS 2011, 14-17 June 2011, Kuala Lumpur, Malaysia
- 76.** B.Lyoussi
The utilization of crude plants extracts to investigate pharmacological effects:Potential and pitfalls
4 th International Chemistry conference , Nov 19-21, 2011, Riyadh, Saudi arabia
- 77.** B.Lyoussi
Indicators of Science & Technology and innovation in the Arab world
International Workshop on PIE approach for S & technology , Republic of Corea, 27 November – 3 December
2011

ORGANIZATION OF INTERNATIONAL CONGRESS

First International Congress on Physiopathology of Kidney , June **1994**

First International Conference on Physiopathology of Diabetes , Fez, 19 - 20 December **1997**

Second international symposium on kidney failure in relation with hypertension, Hôtel Zalagh, Fez , 17 – 18 April **1998**

First International Congress on Hypertension : From Physiopathology to Treatment 28-31 October 1999, Under the high Patronage of His Majesty Sidi Mohammed, Palais des Congrès , Fès

International Conference on cardiovascular diseases , Hôtel Tghat, Fez, 23 June **2000**

Second International Pan Arab Congress of Pharmacology, Palais des Congrès , 5-8 September **2002**

Second International Conference on Metals and the brain : from neurochemistry to neurodegeneration, Jnane Palace, 25-28 September **2002**

Journée d'étude sur la dégradation des ressources naturelles et désertification : Impacts écologiques et socio-économiques ; stratégies et moyens de lutte, 4 Avril **2003**

Symposium international sur la Phytothérapie : Approche biotechnologique Avril **2004**

Symposium Semaine de la Science Mars **2004** Avec 10 Posters de vulgarisation

International symposium on environment protection and biotechnology 15 – 17 December **2004**

- Symposium international sur la phytothérapie : Approche thérapeutique **2004** Mars 2004 à la Faculté des Sciences Dhar- Mahraz
- Symposium international sur les Substances naturelles : Valorisation et approche thérapeutique, Avril **2004** à la Faculté des Sciences Dhar- Mahraz
- Symposium international sur la Phytothérapie : Approche biotechnologique Avril **2004**
- Symposium Semaine de la Science Mars **2004** Avec 10 Posters de vulgarisation
- International symposium sur la protection de l'environnement au service du développement durable, 15 – 17 Décembre **2004**
- International symposium on Health and Sustainable development : 25-28 January, **2006**
- **Journée d'étude sur l'Agroécologie organisée avec l'AESV et l'ESIG , Juin 2006**
- **Table Ronde sous le thème : Marketing et commercialisation des phytomédicaments, November 2006**
- Second International Symposium : " Cardiovascular risk factors : *Physiopathological aspects and phytopharmacological approaches* " Fez, Novembre 23 – 25, **2006**

- **Semaine Nationale de la Science : Thématique Biotechnologie et valorisation des plantes, Avril 2006 avec 10 posters de vulgarisation**
- International symposium on Health and Sustainable Development , January 25 - 28, **2006**
- Forum of Science : 18 -23 April **2006** : Conference on natural products and ethnopharmacology with 10 posters
- International conference on biotechnology and sustainable development, Fez, November, **2007**
- Scientific research outlook international conference , SRO5 conference, October 25 – 31, 2008, Fez, Morocco
- International conference on pollution, environment and sustainable development, 10-14 November, 2011, Fez, Morocco

Participation in national and international Congress

1^{er} CONGRESS OF NEUROSCIENCE SOCIETY , **RABAT, 1984**

CONGRES DES JOURNEES SAVANTES , **Montpellier , 1985**

2^{ème} CONGRES DE LA SOCIETE DE NEUROSCIENCES, LAAYOUNE (**1988**)

Congress of Belgium society of physiology and fondamental and clinical physiology and pharmacology, June **1989, GENT, Belgium**

59 annual meeting of society of physiology, Faculty of medicine, University of **NANCY I** , 23-25 September **1991**

Congress of society of nephrology, Hôpital Necker, **Paris, 1991**

JOINT Meeting Dutch Physiological Society and Belgium society of fundamental and clinical physiology and pharmacology, **ROTTERDAM, 1991**

Meeting de la société Belge de Physiologie et de pharmacologie fondamentales et cliniques, November **1992, Liège, Belgique**

COLLOQUE INTERNATIONAL : Mécanisme et régulation des transports dans les cellules épithéliales , 12-15 Octobre **1993, PARIS, FRANCE**

FIRST FEPS (Federation of European physiological societies) CONGRESS, September 9-12, **1995, MAASTRICHT, THE NETHERLANDS**

CONGRESS of belgium society of experimental and clinical physiology and pharmacology , November **1996, GENT, BELGIUM**

CONGRESS of Society of Physiolog., **PRAGUE, September 1997**

INTERNATIONAL SYMPOSIUM ON NATURAL REMEDIES, APRIL, **1997, Meknès, Morocco**

MEDITERRANEAN SYMPOSIUM NUTRITION AND DIABETES, **Rabat**, October 23 - 25, **1997**

XIII th INTERNATIONAL CONGRESS OF PHARMACOLOGY, **MUNICHEN**. Allemagne
26-31 juillet **1998**

V CONGRES DE LA SOCIETE MEDITERRANEENNE DE PHARMACOLOGIE CLINIQUE, Marrakech du
28 au 30 octobre **1998**

ORGANIZER of the First International Congress of Hypertension : From Physiopathology to Treatment, 28-30
October **1999**, Fez, Morocco

CONGRES PAN ARAB of PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS, Cairo, **EGYPT**, 3
– 6 December, **1999**

The Third Conference of the Pan Arab Hypertension Society, Abu Dhabi, February, 5-9, **2000**

International Conference Women in Science organized by Raset and ISESCO, 22, 24 Mars **2000**

6^{ème} Congrès de la Société Méditerranéenne de Pharmacologie Clinique, Tunis Carthage, 8, 9, 10 Novembre **2000**

CONGRESS of Belgium society of experimental and clinical physiology and pharmacology, November **2001**, **leuven**,
Belgium

INTERNATIONAL CONGRESS, Experimental Biology, **FASEB, Orlando, USA**, March 31, April 4 (**2001**)

INTERNATIONAL CONGRESS OF EUROPEAN FEDERATION OF PHARMACOLOGY, **EPHAR 6-9 July**
(**2001**), Lyon, France

XXXème Medical Maghrebin Congress , **7, 8, 9 Juin 2001**

FIRST MEDITERRANEAN FORUM OF KIDNEY DISEASES 30-31 January – 1st February **2003** sous le Haut
Patronage de Sa Majesté le Roi Mohammed VI

Third national Congress of nephrology, 21-23 March, **2003**, Jnane Palace, Fès

3^{ème} Congrès National de La Société Algérienne d'Hypertension Artérielle, (**2003**), Alger, El Aurassi, 1 Mars

Congrès de La Société Marocaine d'Hypertension Artérielle Mai (**2003**), Maroc

2nd International Congress on traditional medicine & Materia Medica , tehran, iran, 4 – 7 October (**2004**) .

Premier Symposium International sur la phytothérapie (**2004**): approche thérapeutique, 23 Mars 2004 , Faculté
des Sciences DHM, Fès. Phytothérapie entre tradition et science

4^{ème} Congrès National de La Société Algérienne d'Hypertension Artérielle, (**2005**). Alger, El Aurassi, 26 –
29 Février

Congress of environment , Center of Toxicology, Alger, June **2005**

Conference on toxic risks of chemical products 16 November 2005, Minister of Health , National centre of toxicology, OMS, Alger

European Conference on GMOs , Tunis, September 21-25, 2005

Conference of Lybian Sosity of Biotechnology, 12-14 July 2005

Maghrebin Conference on diabetes, nutrition and metabolism, 21-24 March, 2006, Fez, Morocco

Conference Pan Arab of diabetologia, 3-7 May , Rabat, Morocco 2006

Conferences in Jordan, Syria, China, Pakistan, Koweit, France, Tunisia, Lybia, Algeria (2007)

Conference in Malaisia, KSA, Corea.... (2008 – 2011)

Research projects

International

Entitled of the project	Organisms
Standardisation, valorisation et validation des substances naturelles pour les remèdes des pathologies	Projet de Coopération Wallonie-Bruxelles
Heavy metals and neurodegenerative pathologies	Minister of Health, Padova, Italy
Impact of heavy metals in susceptible population	European Project PHIME FP6
Mélatonine , facteurs environnementaux chez la truite	Projet de Coopération CNR – CNRS
Medicinal plants as therapeutic sources	Projet financé par TWAS, trieste Italy

Intitulé du Projet
Etude épidémiologique des anomalies biologiques et génétiques de l'obésité, diabète sucré, hypertension artérielle et dyslipémie dans la région de Fès – Boulemane

Membership in Professional Societies

- French Society of Physiology
- Belgium Society of Physiology and fundamental and clinical pharmacology
- International society of Brain research organisation
- United Nations Educational, Scientific and Cultural organization, ICTP, Trieste, ITALY
- French society of Pharmacology

- Member of interdisciplinary group of aluminum toxicitydu , Padova, Italy
- Membre de l'Arabian Plant Specialist Group (APSG), Riayd, KSA
- Member of Arab Science & Technology Foundation (UAE)
- Member of Arab Tech, London, UK
- Elected president of the Arab women Scientific foundation for North Africa
- President Deputy of Arab Union of Pharmacology
- Member of executive committee of the International Union of Pharmacology (IUPHAR)
- President NGO : «Association Espace Sciences Et Vie »
- Member of International Society of Hypertension
- Member of ArabScientists Organization , Syria, Lattakia.
- Member delegate of pole of competence Medicinal plants research
- Member of Advisory Board of SOMAPAM
- Vice president of regional society of dialysis
- Member of REPAM
- Member Advisory Board of ASTF, Sharjae, UAE

Review Articles (Refereed) in several journals

- Nutrition research
- British Journal of Nutrition
- Journal of Pharmacy and Pharmacology
- Pakistan Journal of Pharmaceutical Sciences
- Egyptian Pharmaceutical J
- Phytotherapy research
- Pakistan Journal of Pharmaceutical Sciences
- Egyptian Pharmaceutical J
- Food and Chemical Toxicology
- Toxicological & Environmental Chemistry
- Pesticide Biochemistry and Physiology
- Clinical and experimental hypertenson

Expertise of international society for affiliation to IUPHAR

British Pharmaceutical society, Spanish, Cuba.....

National and International Collaborators

Pr M. Wibo, Department of Cardiovascular Pharmacology, **Brussels, Belgium**

Pr H. Zafar, Cardiovascular and Hypertension unit, Atlanta, **U.S.A.**

Pr R. Fagard, Division of cardiovascular diseases, Leuven, **Belgium**

Pr R. Singer, London Hypertension Society, London, **U.K**

Pr J.L. Reid, Glasgow, Scotland, **U.K.**

Pr Silvano Mantovani, Homeostasis, Bioterapie medicale, Verona, **Italy**

Pr M . Lokhandwala , Dean college of pharmacy, Houston, **Texas**

Pr Sabah Jassim, Zayed Complex of Traditional Medicine , **Abou Dhabi, UAE**

Pr Froment Védrine, Directrice générale de l'AFSSE, Paris, **France**

Pr Alfred Bernard, Institut de Toxicologie, UCL, Bruxelles, **Belgique**

Pr El Jaziri .M, Laboratoire de Biotechnologie, ULB, Bruxelles, **Belgique**

Pr A. Gilani, Karachi, **Pakistan**

Pr H. ElKadi, Sanae, **Yemen**

Pr F . Naghibi, Teheran, **Iran**

Pr S. Benkhadda, Alger, **Algeria**

Pr W. Laroussy, Egyptian Society of hypertension, **Cairo, Egypt**

International Project :

◆ Project of Cooperation Wallonie-Brussels / Morocco

Programme de travail : 2000/2001/2002

« Effets antihypertenseurs des extraits de marrubium vulgare et de foeniculum vulgare : caractérisation des alcaloïdes responsables

Responsable Marocain : Pr Badiaa Lyoussi Responsable Belge : Pr Maurice Wibo

◆ Collaboration entre le Ministère Régional de la Santé, Padova, Italie et UFR : Physiologie-Pharmacologie:

Financement du travail : Pollution par l'Aluminium : Impacts cliniques : le cas du Centre d'Hémodialyse de l'Hôpital Ghassani : Durée : 3 ans

◆ Project Protars : 2002-2004

Intitulé : Etude épidémiologique des anomalies biologiques et génétiques de l'obésité, diabète sucré, hypertension artérielle et dyslipémie (syndrome X) dans la région de Fès - Boulemane

◆ Project de Coopération Wallonie-Bruxelles / Maroc :

Programme de travail **2003-2005**

« Validation et valorisation de compositions d'origine végétale et de plantes utilisées en médecine traditionnelle pour le traitement des pathologies cardiovasculaires et du diabète »

Responsable Marocain : Pr Badiaa Lyoussi

Responsable Belge : Pr Maurice Wibo

◆ **Project de Coopération CNR – CNRS (France)**

« Régulation de la synthèse de la mélatonine par la rétine des poissons »
2003 – 2005

◆ **Projet de Collaboration entre le laboratoire de toxicologie environnementale UCL, Belgique et le laboratoire de physiologie-pharmacologie & santé environnementale :**

« Biomarqueurs et impacts environnementaux

Responsable Marocain : Pr Badiaa Lyoussi

Responsable Belge : Pr Alfred Bernard

◆ **Projet Européen PHIME sur les métaux lourds, toxines et pathologies associées , 2006 - 2011**

« Biomarqueurs et impacts environnementaux

Responsable Marocain : Pr Badiaa Lyoussi

Responsable Belge : Pr Alfred Bernard

Inteuniversitary and industrial conventions

◆ Université de Mons-Hainault, Mons Belgique since **1996**

◆ Université René DesCartes, Paris , since **1994**

◆ Université Catholique de Louvain, Belgique **2001**

◆ Institut Pasteur de Lille, France **2006**

◆ Industrial society of phytomedicaments, Homeos, Verona, Italy **2002**

◆ Society **Trading** » immatriculé au RCS Clermont sous le numéro 490 250 396 et domicilié au 89, Rue des Planchettes à Clermont–Ferrand, France **2007**

◆ **Université Paris - Diderot**

