

## GENERAL PROGRAM

Tuesday, May 5, 2015

<b>Time</b>	<b>Activity</b>
8:30 – 11:00	Registration
11:00 – 11:50	Opening Ceremony
11:50 – 12:30	Coffee-Break
12:30 – 14:00	Plenary Session <b>(1)</b>
14:00 – 15:00	Lunch Break
15:00 – 16:45	Parallel Oral Sessions <b>(1, 2, 3, 4)</b>
16:45 – 17:45	Poster Session <b>(A)</b>
17:45 – 18:45	ISE Board members Meeting

Wednesday, May 06, 2015

<b>Time</b>	<b>Activity</b>
9:30 – 11:30	Plenary Session <b>(2)</b>
11:30 – 12:00	Coffee-Break
12:00 – 14:00	Parallel Oral Sessions <b>(5, 6, 7,8)</b>
14:00 – 15:00	Lunch
15:00 – 17:00	Plenary Session <b>(3)</b>
17:00 – 19:00	Scientific Writing Workshop <b>(Prof. Michel Henrich)</b>

Thursday, May 07, 2015

<b>Time</b>	<b>Activity</b>
9:00 - 11:00	Plenary Session <b>(4)</b>
11:00 - 12:00	Poster Session <b>(B)</b>
12:00 – 12:30	Coffee-Break
12:30 – 14:00	Parallel Oral Sessions <b>(9, 10, 11,12)</b>
14:00 – 15:00	Lunch
15:00 – 17:00	Kew-led Workshop <b>(Dr. Dauncey, Elizabeth)</b>
17:00 - 18:00	ISE Members Meeting
18:30	Closing Ceremony

❖ **Friday, May 08, 2015: Trip to DANA (Optional) at 9.00 AM.**

# The 15<sup>th</sup> International Congress of the International Society for Ethno-Pharmacology

## Plenary Session (1):

Tuesday, May 05, 2015 Main Hall (MH)

Chairman: Prof. RIDA SHIBLI (President of Muta University, Jordan).

12:30 –13:00	<b>Maybeck, Alain:</b> AM Phyto-Conseil. 20ter rue de Bezons, 92400 Courbevoie- France). <b>"Natural Products in Cosmetology"</b> .
13:00-13:25	<b>Jäger, AK,</b> (Department of Drug Design and Pharmacology, Universitetsparken 2, 2100 Copenhagen- Denmark) <b>Finding the World's Best Plants for Type-2 Diabetes Targets</b>
13:25–13:50	<b>Rudolf, Bauer:</b> Institute of Pharmaceutical Sciences, University of Graz, Universitätsplatz 4, 8010 Graz-Austria. <b>Arab-European Intercultural Ethnopharmacology</b>
13:50-14:00	<b>Omar Amawi – PIO Director – SRTD-II project, Jordan.</b> <b>Support to Research, Technological Development and Innovation Initiatives in Jordan</b>

## Plenary Session (2):

Wednesday, May 06, 2015 Main Hall (MH)

Chairman: Prof. MULHOLLAND, DULCIE (Dept. of Chem., Faculty of Engineering and Physical Sciences, Univ. of Surrey, UK)

9:30 - 10:00	<b>Afifi Fatma U.</b> (Faculty of Pharmacy, The University of Jordan, Amman 11942, Jordan) <b>Traditional Arabic Herbal Medicine in the 21<sup>st</sup> Century: Importance in the Treatment of Chronic Diseases</b>
10:00 - 10:30	<b>Selmar, Dirk</b> (Institute for Plant Biology, TU Braunschweig, Mendelssohnstraße 4, Germany) <b>Horizontal Transfer of Natural Products: A so far unrecognized contaminations source</b>
10:30 - 11:00	<b>Thomas Efferth</b> (Department of Pharmaceutical Biology, University of Mainz, Germany). <b>Perspectives for Globalized Natural Medicines</b>
11:00 - 11:30	<b>Cuendet Muriel</b> (School of pharmaceutical sciences, University of Geneva, University of Lausanne, Geneva 4, Switzerland). <b>HDAC Inhibitors from Nature for Cancer Chemoprevention</b>

## Plenary Session (3)

Wednesday, May 06, 2015 Main Hall (MH)

Chairman: Prof. LETI MATHIEU (Institut de Recherche Pierre Fabre, 3 avenue Hubert Curien - Toulouse, France).

15:00 - 15:30	<b>Pulok K. Mukherjee, Ranjit K. Harwansh</b> (School of Natural Product Studies, Dept. of Pharmaceutical Technology, Jadavpur University, Kolkata - 700 032, India) <b>Evidence Based Validation of Indian Traditional Medicine – Way Forward</b>
15:30 - 16:00	<b>De Feo, Vincenzo, De Martino, L. and Mancini, E.</b> (Department of Pharmacy, University of Salerno, Via Giovanni Paolo II, 132, 84084 Fisciano (Sa)). <b>Ethnobotanical Approach to Drug Discovery: Strengths and Limitations</b>
16:00 - 16:30	<b>Eloff, Jacobus N.</b> (Phytomedicine Programme, Faculty of Veterinary Science, University of Pretoria, South Africa). <b>Comparing Ethnoveterinary Knowledge and Random Plant Selection to Develop Products</b>
16:30 – 17:00	<b>Taha Rababah</b> (Faculty of Agriculture, Just, Jordan). <b>Total Phenolics and Antioxidant Activities of Fenugreek, Green Tea, Black Tea, Grape Seed, Ginger, Rosemary, Gotu Kola, and Ginkgo Extracts, Vitamin E, and tert-Butylhydroquinone</b>

## Plenary Session (4)

Thursday, May 07, 2015 Main Hall (MH)

Chairman: Prof. MICHAEL HEINRICH (Centre for Pharmacognosy and Phytotherapy / Research Cluster Biodiversity and Medicines UCL School of Pharmacy, Univ. London, 29-39 Brunswick Sq., London WC1N 1AX, UK).

09:00 - 09:30	<b>Cock I.E.</b> (Environmental Futures Research Institute & <sup>2</sup> School of Nat. Sci., Griffith Univ., Brisbane, Australia). <b>Selection of Australian Plants for Medicinal Testing: A Case Study Using Different Approaches</b>
09:30 - 10:00	<b>Caroline Weckerle</b> (Institute of Systematic Botany, University of Zurich, Switzerland). <b>Interrelations of Plants and People: Ethnobotanical Research and Education in the 21<sup>st</sup> Century</b>
10:00 – 10:30	<b>Lorenz, Matthias</b> (Phyto Consult, Medicinal & Aromatic Plants, International Projects, GACP Trainings & Audits, Germany). <b>Quality of MAP – Influenced and Determined by Cultivation and Wild Collection</b>
10:30 – 11:00	<b>Castellano-Gonzalez G.<sup>1</sup>, Braidy N.<sup>2</sup>, Lim C.K.<sup>1</sup>, Essa M.M.<sup>3,4</sup> and Guillemin G.J.<sup>1</sup></b> ( <sup>1</sup> Neuropharmacology group, MND and Neurodegenerative diseases Research Centre, Macquarie Univ., Australia). <b>Natural Molecules, Tryptophan Metabolism and their Applications in Neuroprotection for Brain Diseases</b>

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**TUESDAY:**

**Oral Session (1):**

(May 05, 2015. Room No. (Main Hall, MH<sub>1</sub>))

Chairman: **Dr. LETI MATHIEU** (Institut de Recherche Pierre Fabre, 3avenue Hubert Curien –Toulouse, France).

Pharmacological and Clinical Studies of Medicinal Plants & Natural Products	
15:00-15:15	<b><sup>1</sup>Abou Jawdé Chantal, <sup>2</sup>Baydoun Safa, <sup>1,2</sup> Arnold Nelly</b> ( <sup>1</sup> Faculty of Agricultural Sciences and Nutrition, Holy Spirit University, Kaslik, Lebanon. <sup>2</sup> Research Center for Environment and Development, Beirut Arab University, Lebanon). <b>Essential Oil Composition and Bioactivity of Wild <i>Ziziphora canescens</i> Benth. Lebanon</b>
15:15-15:30	<b>Bogavac, Mirjana<sup>1</sup>, Karaman, Maja<sup>2</sup>, Janjušević, Ljiljana<sup>2</sup>, Radovanović, Bojan<sup>3</sup>, Novaković, Zoran<sup>3</sup>, Božin, Biljana<sup>4</sup></b> (Faculty of Medicine, Department of Obstetrics and Gynecology, B. Ćosića, Novi Sad). <b>Rosemary and Eucalyptus Essential Oil – Alternative Drugs for Vaginal Candidiasis</b>
15:30-15:45	<b>De Pina Catarino Pires, Pedro<sup>1,2</sup>, Sekhoacha, Mamello<sup>4</sup>, Oliveira Soares, Marta<sup>2</sup>; Vinha, Ana<sup>1,3</sup></b> (Instituto Superior Politécnico de Benguela – ISPB, Av Governador Moutinho T-125 Benguela, Angola. <sup>2</sup> Centro de Investigação e Tecnologias da Saúde (CITS) – IPSN/CESP)- Portugal. <b>Bioactivity of <i>Cymbopogon citratus</i> Essential Oil</b>
15:45-16:00	<b>Hayat M. Mukhtar and Deepika Vashishth</b> (Natural Product Research Laboratory, Department of Pharmacognosy and Phytochemistry, S.B.S College of Pharmacy, Chuslewal Morh, Patti, Punjab India). <b>Comparative Neuroprotective Activity of <i>Benincasa hispida</i> Seeds And Mesocarp Against Neurodegenerative Disorder, Dementia</b>
16:00-16:15	<b>Sleman K.<sup>1</sup>, Bashar S.<sup>1,2</sup> and Hilal Zaid<sup>1,2</sup></b> ( <sup>1</sup> Qasemi Research Center- Al-Qasemi Academic College, Baqa-El-Gharbia. <sup>2</sup> Faculty of Arts and Sciences, Arab American University Jenin, P.O.Box 240, Jenin, Palestine). <b>In Vitro Evaluations of Anti- Hypoglycemic, Cytotoxicity and Chemical Identification of Methanolic Sweet Basil Extract</b>
16:15-16:30	<b>Han, Sang M. Hong, In Phyo., Woo, Soon Ok., Kim, Se Gun. and Jang, Hae Ri</b> (Department of Agricultural Biology, National Academy of Agricultural Science, South Korea). <b>Effect of Purified Honeybee (<i>Apis mellifera</i> L.) Venom Containing Cosmetics on Acne Vulgaris</b>
16:30-16:45	<b>Attah Alfred F.<sup>1</sup>, Sonibare M.A.<sup>1</sup>, Moody J.O.<sup>1</sup>, Akindele O.O.<sup>2</sup>, Salahdeen H.M.<sup>3</sup>, R.Y.<sup>2</sup></b> (Department of Pharmacognosy, Faculty of Pharmacy, University of Ibadan, Ibadan). <b>In Vitro and In Vivo Uterotonic and Anti Fertility Properties of <i>Moringa oleifera</i> Lam. (Moringaceae) Leaves Collected from Nigerian Ethnomedicine</b>

**Oral Session (2):**

(May 05, 2015. Room No. (Main Hall, MH<sub>2</sub>))

Chairman: **Dr. PENG YONG** (The deputy director of Guangxi Botanical Garden of Medicinal Plants and the assistant director of Institute of Medicinal Plant Development (IMPLAD), Chinese Academy of Medicinal Sciences, China).

Analytical Assays and Quality Assurance of Ethno-Pharmacological Sources	
15:00-15:15	<b>Al-Jaber, Hala<sup>1</sup>, Al-Qudah, Mahmoud<sup>2</sup>, Abu-Zarga, Musa<sup>3</sup>, Saleh, Ayman<sup>4</sup>, Aljada, Ahmad<sup>4</sup>, Tashtoush, Hasan<sup>2</sup>, Lahham, Jamil<sup>5</sup>, Afifi, Fatma<sup>6</sup> and Abu Orabi, Sultan<sup>2</sup></b> (Department of Applied Sciences, Faculty of Engineering Technology, Al-Balqa Applied University, Marka, Jordan). <b>Isolation, Characterization and Bioactivity Evaluation of the Chemical Constituents of Two Medicinal Plants Growing Wild in Jordan</b>
15:15-15:30	<b>Booker A.J.<sup>1</sup>, Banaz J.<sup>1</sup>, Debora F.<sup>2</sup>, Eike R.<sup>2</sup>, Lixiang Z.<sup>1,3</sup> and M. Heinrich<sup>1</sup></b> (UCL School of Pharmacy, Brunswick Square, London UK). <b>Value Chains of <i>Rhodiola rosea</i>: An Investigation Into Adulterated and Poor Quality Products Available on the European Market</b>
15:30-15:45	<b>Božin, Biljana<sup>1</sup>, Kladar, N<sup>1</sup>, Grujic, N<sup>1</sup>, Srdjenovic, B<sup>1</sup>, Rat, M<sup>2</sup>, Gavarić, N<sup>1</sup> and Anackov, G.<sup>2</sup></b> (University of Novi Sad, Faculty of Medicine, Department of Pharmacy, Hajduk Veljkova 3). <b>Importance of Crude Drug Quality Control – Case of <i>Hyperici herba</i> from Balkan Peninsula</b>
15:45-16:00	<b>Kyslychenko Oleksandra A.<sup>1</sup>, Fedosov A.I.<sup>1</sup>, Semenchenko O.M.<sup>2</sup> and Mishchenko V.A.<sup>1</sup></b> (National University of Pharmacy, Kharkiv, Ukraine). <b>Standardization of Extracts Obtained from Yarrow Herb Collected in Ukraine</b>
16:00-16:15	<b>Marc El Beyrouthy<sup>1</sup>, Alain A.R.<sup>1</sup>, Lara H.W.<sup>1</sup> and Nelly A. A.<sup>1</sup>, Afif M. Abdel N.<sup>2</sup></b> (Holy Spirit Univ. of Kaslik, B.P. 446 Jounieh, Lebanon). <b>Chemical Composition, Macroscopic, Microscopic and DNA Fingerprinting to Fight Adulteration of Lebanese Medicinal Plants and Spices</b>
16:15-16:30	<b>Misra Sanchit</b> (Faculty of Ayurveda, Institute of Medical Sciences, Banaras Hindu Univ. Varanasi, India). <b>A Need for Having a Re-Look at the Terms of Quality Assessment of Ayurvedic Medicines</b>
16:30-16:45	<b>Khalid Hussain<sup>1</sup>, Muhammad Islam<sup>1</sup>, Naureen Shehzadi<sup>1</sup>, Sohail Amjad<sup>1</sup>, Nadeem I. Bukhari<sup>1</sup>, Hamid Saeed<sup>1</sup>, Humaira Majeed Khan<sup>2</sup>, Muhammad T. Khan<sup>1</sup>, and Muhammad Z. Danish<sup>1</sup></b> (University College of Pharmacy, University of the Punjab, Allama Iqbal Campus, Lahore-54000, Pakistan). <b>Metabolomics and Marker-Based Stability Studies of Extract of Seeds of <i>Syzygium cumini</i> L.</b>

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Oral Session (3)

(May 05, 2015. *Jeresh, Room*)

Chairman: **Dr. LEONTI MARCO** (*Department of Biomedical Sciences, University of Cagliari, Via Ospedale 72, 09124 Cagliari (CA)*).

Biodiversity and Ecological Aspects of Ethnobotanical Sources	
15:00-15:15	<b>Rida A. Shibli<sup>1</sup>, Mahmud A. Duwayri<sup>1</sup>, Jamal S. Sawwan<sup>1</sup>, Mohamad A. Shatnawi<sup>2</sup> and Tamara S. Al-Qudah<sup>3</sup></b> ( <sup>1</sup> <i>Department of Horticulture and Agronomy, Faculty of Agriculture, Univ. of Jordan, Amman</i> ). <b>Cryopreservation of the Endangered Wild Arum (<i>Arum Palaestinum</i>) Calli By Encapsulation-Vitrification and Encapsulation- Dehydration</b>
15:15-15:30	<b>Baydoun Safa<sup>1</sup>, Chalak Lamis<sup>2</sup>, Dalleh Helena<sup>1</sup>, Arnold Nelly<sup>1</sup></b> ( <i>Research Center for Environment and Development, Beirut Arab University.</i> <sup>2</sup> <i>Faculty of Agricult. Sciences, The Lebanese University, Lebanon</i> ). <b>Indigenous Knowledge of Medicinal Plants Used by the Communities of Mount Hermon, Lebanon</b>
15:30-15:45	<b>Dauncey, Elizabeth, Irving, J., Black, N., Edwards, S., Patmore, K., Paton, A. and Allkin, R.</b> ( <i>Royal Botanic Gardens, Kew, Richmond, Surrey, TW9 3AB, UK</i> ). <b>Kew's Medicinal Plant Names Services</b>
15:45-16:00	<b>Draper Munt, David<sup>1</sup>, Muñoz-Rodríguez, P.<sup>2,3</sup> and Moreno Saiz, Juan C.<sup>2</sup></b> ( <sup>1</sup> <i>Dept. of Natural Sciences, Universidad Técnica Particular de Loja, Ecuador</i> ). <b>Effect of Climate Change on Threatened Medicinal Species In Spain</b>
16:00-16:15	<b>Hikmat Hisoriev</b> ( <i>Director of Institute of Botany, Plant Physiology and Genetics, Tajikistan Academy of Sciences. Karamova str. 27, Dushanbe-17, Tajikistan 734017</i> ). <b>Conservation and Use of Wild Food, Medicinal and Forage Plants of Tajikistan to Address Issues of Sustainable Development</b>
16:15-16:30	<b>Lamia Hamrouni, Ismail A., Reky A., Abdelhamid K., Mohamed L., Mohsen H., Abderrahmane R.</b> <b>Propagation, Improvement, Preservation and Enhancement of Forest Species in Tunisia</b>

Oral Session (4)

(May 05, 2015. *IDOM Room*)

Chairman: **Dr. ASMA CHBANI**, (*HDR, Faculté de Santé Publique, Université Libanaise*)

Traditional and Modern Herbal Medicinal Products in Treatment of Cancer	
15:00-15:15	<b>Abd Hamid, Roslida, Lim, Wen Jun And Chan, Pit Foong</b> ( <i>Department of Biomedical Science, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia, 43400 Serdang, Selangor, Malaysia</i> ). <b>Preliminary In Vitro Study of <i>Ardisia Crispa</i> Root in Angioprevention</b>
15:15-15:30	<b>Gopalakrishnan, Janarthanan and Dukaduka, Rena</b> ( <i>Department of Applied Sciences, PNG University of Technology, Private Mail Bag, Lae 411, Morobe Province, Papua New Guinea</i> ). <b>Potion from <i>Piper aduncum</i> Ash for Cancer Cure in Papua New Guinea: Myth, Mystery or Chemistry</b>
15:30-15:45	<b>Hanafi, M.M.<sup>1</sup>, Yaakob, H.<sup>2</sup>, sarmidi, M.R.<sup>2</sup> and Jose M.P.<sup>1</sup></b> ( <sup>1</sup> <i>Department of Pharmaceutical &amp; biological Chemistry, UCL School of Pharmacy, 29-39 Brunswick Square, WC1N 1AX London, UK</i> ). <b>Cytotoxic Malaysian Ficus Spp. Extracts</b>
15:45-16:00	<b>Saada D.<sup>1</sup>, Chloe F.<sup>1</sup>, David Y.L.<sup>1</sup>, Marion M.<sup>2</sup>, Rania A.<sup>3</sup>, V.<sup>1</sup>, <i>Mona Diab-Assaf<sup>3</sup>, Bertrand L.<sup>1</sup></i> (<sup>1</sup><i>Lebanese University, Molecular Tumorigenesis and Anticancer Pharmacology, EDST, Hadath, Lebanon</i>). <b><i>Berberis Libanotica</i> Extract Targets Nf-<math>\kappa</math>B/Cox-2, Pi3k/Akt and Mitochondrial/Caspase Signaling to Induce Human Erythroleukemia Cell Apoptosis</b></b>
16:00-16:15	<b>Mulholland, Dulcie<sup>a,f</sup>, Mwangi, Elizabeth<sup>b,f</sup>, Dlova, Ncoza<sup>c</sup>, Plant, Nick<sup>d</sup>, Crouch, Neil<sup>e,f</sup> and Coombes, Phillip<sup>f</sup></b> ( <sup>1</sup> <i>Natural Products Research Group, Department of Chemistry, Faculty of Engineering and Physical Sciences, University of Surrey, Guildford, Surrey, GU2 7XH, United Kingdom</i> ). <b>Phytochemical Leads from African Medicinal Plants</b>
16:15-16:30	<b>SaifulYazan, L.<sup>1,2</sup>, Ng, W.<sup>1</sup>, Abdullah, R.<sup>3,4</sup> and How, Chee W.<sup>3</sup></b> ( <sup>1</sup> <i>Laboratory of Molecular Biomedicine, Institute of Bioscience, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor</i> ). <b>Controlled Release of Thymoquinone for Favourable Cancer Cells Elimination</b>
16:30-16:45	<b>Rafal S. A. Al-Anee<sup>1</sup>, Khulood W. Al-Sammarae<sup>2</sup>, Ghassan M. Sulaiman<sup>3</sup>, Giuliana Napolitano<sup>4</sup>, Saman A. Ahmad<sup>5</sup></b> ( <sup>1</sup> <i>Biotechnology Research Centre, University of Al-Nahrain, Baghdad, Iraq</i> ). <b>Multiple Effects of <i>Hymenocrater Longiflorus</i> on Human Colon Cancer (Rko) By Using Different Techniques</b>

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**WEDNESDAY:**

**Oral Session (5)**

(May 06, 2015. Room No. (Main Hall, MH<sub>1</sub>))

Chairman: **Dr. BOGAVAC, MIRJANA** (Faculty of Medicine, Department of Obstetrics and Gynecology, B. Ćosića, Novi Sad).

Pharmacological and Clinical Studies of Medicinal Plants & Natural Products	
12:00-12:15	<b>Iqbal, E<sup>1</sup>, Abu Salim, K<sup>2</sup>, Lim, L.B.L.<sup>1</sup> and Mohamed, A.<sup>1</sup></b> (Department of Chemistry, <sup>2</sup> Environmental and Life Sciences, Faculty of Science, Universiti Brunei Darussalam, Jalan Gadong, Darussalam, Brunei). <b>Antimicrobial, Cytotoxicity and Anticancer Activities of Methanolic Extract of <i>Goniothalamus Velutinus</i> from Brunei Darussalam</b>
12:15-12:30	<b>Ismail, Nor A<sup>1</sup>, Abu Salim, K<sup>1</sup>, Lim, L.B.L.<sup>2</sup> Ahmad, N<sup>1</sup> and Mohamed, Abdalla J.<sup>1</sup></b> ( <sup>1</sup> Environmental and Life Sciences. <sup>2</sup> Chemical Sciences, Faculty of Science, Universiti Brunei Darussalam, JalanTungku Link, Gadong BE1410, Darussalam, Brunei). <b>Antimicrobial, Anticancer and Antidiabetic Agent from Leaves of <i>Nepenthes Bicalcarata</i></b>
12:30-12:45	<b>Mohd Shafri MA<sup>1,2</sup>, Yaakob KI<sup>1</sup>, Yusof FA<sup>1</sup>, Mohamed F<sup>2,3,4</sup> and Yusof, MN.<sup>5</sup></b> ( <sup>1</sup> Biomedical Science Department, Kulliyah of Allied Health Sciences, International Islamic University Malaysia, 25200 Kuantan, Pahang. <sup>2</sup> International Institute of Halal Research & Training (INHART), Ground Floor, Block E0, Kulliyah of Engineering, IIUM, P.O.Box 10, 50728, Kuala Lumpur, Malaysia). <b>Fusion of a Prophetic Medicine, <i>N. Sativa</i>, with a Synthetic Antibiotic, Gentamicin, as an Alternative Approach to Enhance Antimicrobial Effect Against <i>S. Aureus</i></b>
12:45-13:00	<b>Saad S. Dahham, Amin M.S. Abdul Majid, Mohamed B. Khadeer Ahamed</b> (EMAN Research and Testing Laboratory, School of Pharmaceutical Sci., Universiti Sains Malaysia, Minden, Pulau Pinang, Malaysia). <b>B-Caryophyllene Isolated from <i>Aquilaria Crassna</i>, Suppresses Growth and Metastasis of Colon Cancer By Inhibiting Proliferation, Invasion, and Angiogenesis</b>
13:00-13:15	<b>Noor Haziyah Abdul Mutalib, Yon ThanniaSamat and Sabrina Sukardi</b> (UPM, Serdang, Malaysia) <b>Skeletal Malformation of Fetuses from Pregnant <i>Sprague dawley</i> Rats Fed <i>Jatropha curcas</i> Crude Oil (JCO)</b>
13:15-13:30	<b>Mahmud Masalha<sup>1</sup>, Rola Jad-Allah<sup>2</sup> and Shahinaz Mahajna<sup>1</sup></b> ( <sup>1</sup> Qasemi Research Center- Al-Qasemi Academic College, Baqa-El-Gharbia. <sup>2</sup> Faculty of Arts and Sciences, Arab American University Jenin, J, Palestine). <b>In vitro Antifungal Properties of Some Plants Extracts Against <i>Candida albicans</i></b>

**Oral Session (6)**

(May 06, 2015. Room No. (Main Hall, MH<sub>2</sub>))

Chairman: **Dr. DAUNCEY, ELIZABETH** (Royal Botanic Gardens, Kew, Richmond, Surrey, TW9 3AB, UK).

Biodiversity and Ecological Aspects of Ethnobotanical Sources	
12:00-12:15	<b>Leti, M<sup>1</sup>, HUL S<sup>2</sup>, Cheng SK<sup>3</sup>, Fouché, J.G. and David B.<sup>1</sup></b> (Institut de Recherche Pierre Fabre, 3 avenue Hubert Curien – BP13562, 31035 Toulouse, France). <b>Botany as a Linchpin of Ethnobotanical Surveys in Cambodia</b>
12:15-12:30	<b>Rajaa Chbani Idrissi<sup>1</sup> Ahmed O.<sup>2</sup>, Machour M.<sup>3</sup> and Abdelaziz Y.<sup>4</sup></b> ( <sup>1</sup> Doctor in pharmacy, homeopath, nutritionist, phytoaromatotherapist. Homeopathy Association president. Paul Sabatier University, France). <b>Homeopathic Agro Ecology and Environment</b>
12:30-12:45	<b>Sarah Sallon<sup>1</sup>, Helen P.<sup>1</sup> and Elaine S.<sup>2</sup></b> ( <sup>1</sup> The Louis Borick Natural Medicine Research Center (NMRC), Hadassah Hebrew University Medical Center PO Box 12000, Jerusalem 91120). <b>The Middle Eastern Medicinal Plant Project (Memp): Preserving Knowledge, Conserving Species, Re-Introducing Extinct Flora &amp; Developing New Medicines</b>
12:45-13:00	<b>Susan Dura<sup>1</sup>, Hassan Mohammad Asoufi<sup>1</sup>, Nahed Ahmad<sup>1</sup>, Maha Salameh<sup>1</sup> and Ezz AL-Dein Al-Ramamneh<sup>2</sup>.</b> ( <sup>1</sup> National Center for Agricultural Research and Extension, Baq'a 19381). <b>Molecular Characterization of Pomegranate (<i>Punica granatum</i> L.) Genotypes Using Rapid Markers in Al shoubak Region</b>
13:00-13:15	<b>Rida, A.S.<sup>1</sup>, Mahmud, A.D<sup>1</sup>, Jamal, S.S.<sup>1</sup>, Mohamad, A.S.<sup>2</sup> and Tamara, S. Al-Qudah<sup>3</sup></b> ( <sup>3</sup> Hamdi Mango Center for Scientific Research (HMCSR), University of Jordan, Amman, Jordan). <b>Cryopreservation by Vitrification of Arum (<i>Arum palaestinum</i>) Calli</b>
13:15-13:30	<b>Mushtaq Ahmad and Shazia S.</b> (Department of Plant Sciences, Quaid-i-Azam University Islamabad Pakistan, Pakistan). <b>Medicinal Plants Diversity and Conservation in Northern Pakistan</b>

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**Oral Session (7)**

(May 06, 2015. Jeresh Room)

Chairman: **Dr. DE PINA CATARINO PIRES, PEDRO** (*Instituto Superior Politécnico de Benguela – ISPB, Av Governador Moutinho T-125 Benguela, Angola.*<sup>2</sup>*Centro de Investigação e Tecnologias da Saúde (CITS) – IPSN/CESPU, Portugal*)

(A) (B) -Traditional and Modern Herbal Medicinal Products in Treatment of Cancer (C)	
12:00-12:15	<b>Sanaa K. Bardaweel</b> , Mohammad M. Hudaib, Khaled A. Tawaha, Rasha M. Bashatwah ( <i>Dept. of Pharmaceutical Sciences, Faculty of Pharmacy, The University of Jordan, Amman 11942, Jordan</i> ). <b>Studies on the In Vitro Determination of the Antiproliferative Activity Associated with <i>Chrysanthemum Coronarium</i> Essential Oil</b>
12:15-12:30	<b>Zainab Yaseen Mohammed</b> <sup>1</sup> , Khulood W. Alsamrae <sup>2</sup> and Subhi Jawad Hamza <sup>3</sup> ( <i><sup>1</sup>Biotechnology Research Center, Al-Nahrain University, Baghdad, Iraq</i> ). <b>Preliminary Study for the Anticancer Activity of Flavonoids Extracted from Wild <i>Lycium Barbarum</i> Leaves</b>
12:30-12:45	<b>Yanti, Adrian Hartanto, Yasinta Ratna Esti Wulandari</b> ( <i>Biology Program, Faculty of Biotechnology, Atma Jaya Catholic University of Indonesia, Jalan Jenderal Sudirman 51, Jakarta Selatan 12930, Indonesia</i> ) <b>Anticancer Activity of Bioactive Fractions from <i>Pithecellobium jiringa</i> Against Lung and Breast Cancer Cells In Vitro</b>
12:45-13:00	<b>Sirdarta J.P.</b> <sup>1,2</sup> , Cock I.E. <sup>1</sup> ( <i><sup>1</sup>Environmental Futures Research Institute. <sup>2</sup>School of Natural Sciences, Griffith University, Brisbane, QLD.</i> ) <b>Anticancer Activity and Phytochemical Profiling of <i>Terminalia Ferdinandiana</i> (Kakadu Plum) Fruit Extracts</b>
B- Theory and Methodology in the Study of Ethnopharmacology	
13:00-13:15	<b>Musaraj Adanela</b> ( <i>Ministry of Agriculture, Tirana- Albania</i> ). <b>Changes in Medical Plants Study Methodology: The Example in Balkan Peninsula</b>
13:15-13:30	<b>Lamia Hamrouni</b> , ( <i>TUNISIA</i> ). <b>Sustainable Management of Natural Forests and Valorization of Forest Resources in Tunisia</b>

**Oral Session (8)**

(May 06, 2015. IDOM Room)

Chairman: **Dr. HILAL ZAID** (*Qasemi Research Center- Al-Qasemi Academic College, Baqa-El-Gharbia.*<sup>2</sup>*Faculty of Arts and Sciences, Arab American University Jenin, P.O.Box 240, Jenin, Palestine*)

Naturaceuticals and Dietary Supplements - Traditional to Modern	
12:00-12:15	<b>Beladjila, Khadidja A., Berrehal, D., Khalfallah, A., Semra, A., and Kabouche, Zahia</b> ( <i>University of Constantine 1, Department of chemistry, Laboratory of therapeutic substances, Algeria</i> ). <b>Composition and Biological Activities of Fruits, Jam, Seeds and Oil Seeds of <i>Phoenix dactylifera</i> l.</b>
12:15-12:30	<b>Ivan Salamon</b> ( <i>Department of Ecology, Faculty of Humanities and Natural Sciences, University of Presov, 17<sup>th</sup> November St., 01, SK-081 16 Presov, Slovak Republic</i> ). <b>The History Slovakia's Garden of Herbs</b>
12:30-12:45	<b>Zhou, Yilan</b> <sup>1,2</sup> and <b>Long, Chunlin</b> <sup>1,2</sup> ( <i><sup>1</sup>Minzu University of China. Beijing 100081. <sup>2</sup>Kunming Institute of Botany, Chinese Academy of Sciences. Kunming 650201, China</i> ). <b>Herbal Medicinal Plants Traditionally Used for Oral Diseases in China</b>
12:45-13:00	<b>Manga S. And Manga D.</b> ( <i>Ministry of Health of Peru, Calle Jose Galvez, Apto 604 Cercado Lima, Peru</i> ) <b>New formulation for Dehydration Produced by any Causes Based on Electrolytes and an Andean Cereal, <i>Chenopodium quinoa</i></b>
13:00-13:15	<b>Emilija Jovin</b> <sup>1</sup> , <b>Mimica-Dukić Neda</b> <sup>1</sup> , and <b>Dejan Orčić</b> <sup>1</sup> ( <i>Department of Chemistry, Biochemistry and Environ. protection, Faculty of Sci., Univ. of Novi Sad, Serbia.</i> ). <b>Native Plants In Serbia as a Source of New Antiinflammatory Agents - Polygonaceae Family</b>
13:15-13:30	<b>Essa M.M.</b> <sup>1,2</sup> , <b>Subash S</b> <sup>1,2</sup> , <b>Manivasagam T</b> <sup>3</sup> , <b>Al-Adawi S</b> <sup>4</sup> ( <i><sup>1</sup>Dept of Food Science and Nutrition, College of Agriculture and Marine Sciences, Sultan Qaboos University. <sup>2</sup>Ageing and Dementia Research Group, Sultan Qaboos University, Oman</i> ). <b>Neuroprotective Effect of Walnut Extract on MPP+Induced Oxidative Stress in Human Neuroblastomas SH-SY5Y Cells</b>

THURSDAY:

Oral Session (9)

(May 07, 2015. Room No. (Main Hall, MH<sub>1</sub>))

Chairman: Dr. KABOUCHE, ZAHIA (University of Constantine1, Department of chemistry, Laboratory of therapeutic substances (LOST), 25000 Constantine, Algeria).

Pharmacological and Clinical Studies of Medicinal Plants & Natural Products	
12:30-12:45	<b>S. Janakat</b> and M. Nassar (Department of Nutrition and Food Technology, Jordan University of Science and Technology, P.O. Box 3030, Irbid, Jordan). <b>Hepatoprotective Activity of Desert Truffle (<i>Terfezia clavaryi</i>) in Comparison with the Effect of <i>Nigella sativa</i> in the Rat</b>
12:45-13:00	<b>Shalaby M.A., Atta A.H. and Saifan H.Y.</b> (Pharmacology Department, Faculty of Veterinary Medicine, Cairo University, Giza 12211, Egypt) <b>Antidiarrheal, Analgesic and Anti-inflammatory Effects of <i>Commiphora molmol</i> Exarct</b>
13:00-13:15	<sup>1,2</sup> <b>Tolossa Ketema</b> , <sup>2</sup> Fry Stephen, <sup>1</sup> Athanasidou Spiridoula, <sup>2</sup> Loake Gary, <sup>1</sup> Houdijk Jos ( <sup>1</sup> SRUC, Scotland's Rural College. <sup>2</sup> Institute of Molecular Plant Sciences, University of Edinburgh, Edinburgh, UK). <b>Bioassay-Guided Fractionation of Aqueous Plant Extracts with Anti-Parasitic Activity</b>
13:15-13:30	<b>V. Kasabri<sup>1</sup>, P.R. Flatt<sup>2</sup> and Y.H. A. Abdel-Wahab<sup>2</sup></b> ( <sup>1</sup> Dept Biopharmaceutics and Clinical Pharmacy, Faculty of Pharmacy, The University of Jordan, Amman, Jordan. <sup>2</sup> School of Biomedical Sciences, University of Ulster, Coleraine, N. Ireland BT52 1SA, UK). <b><i>Emblica Officinalis</i> Stimulates the Secretion and Action of Insulin and Inhibits Starch Digestion and Protein Glycation <i>In Vitro</i></b>
13:30-13:45	<b>Zia-ur-Rehman Mashwani<sup>1</sup>, Mir Ajab Khan<sup>2</sup> and Mushtaq Ahmad<sup>2</sup></b> ( <sup>1</sup> Department of Botany, PMAS Arid Agriculture University, Rawalpindi. <sup>2</sup> Department of Plant Sciences, Quaid-i-Azam Univ. Islamabad, Pakistan). <b>Ethnopharmacological Evaluation of <i>Geranium wallichianum</i> from Western Himalaya, Pakistan</b>
13:45-14:00	<b>Loiy Elsir Ahmed Hassan<sup>1</sup>, Mohamed Khadeer<sup>1</sup>, Aman Shah Abdul Majid<sup>2</sup>, Fouad S. Al-Suede<sup>1</sup>, Amin Malik Shah Abdul Majid<sup>1</sup></b> ( <sup>1</sup> EMAN Research and Testing Laboratory, School of Pharmaceutical Sciences, Universiti Sains Malaysia, Penang, Malaysia. <sup>2</sup> Advanced Medical and Dental Institute (IPPT), Universiti Sains Malaysia, Penang, Malaysia). <b>Evaluation of Antioxidant, Antiangiogenic and Antitumor Properties of <i>Anogeissus Leicarpus</i></b>

Oral Session (10)

(May 07, 2015. Room No. (Main Hall, MH<sub>2</sub>))

Chairman: Dr. MEHREZ ROMDHANE (Unité de recherche E.C.A.P., Ecole Nationale d'Ingénieurs de gabès, Route de Medenine 6029 Gabès-TUNISIE)

Arabian Ethno-Pharmacology & Arab-European Intercultural Ethno-Pharmacology	
12:30-12:45	<b>Daradkeh Ghazi<sup>1,2,3</sup>, Essa MM<sup>1,3,4</sup>, Subash S<sup>1,3</sup>, Al-Adawi S<sup>3,4</sup>, Akbar M<sup>5</sup>, Waly Ml<sup>1</sup> and Brown AM<sup>6</sup></b> (Department of Food Science and Nutrition, CAMS, Sultan Qaboos University, Muscat, Sultanate of Oman. <sup>2</sup> Department of Nutrition and Dietetics, Hamad medical corporation, State of Qatar. <sup>3</sup> Ageing and Dementia Research Group, Sultan Qaboos University, Muscat, Sultanate of Oman). <b>Pomegranate and Brain Health</b>
12:45-13:00	<b>Hana M. Hammad<sup>1</sup>, Suzan A. Matar<sup>1</sup>, Hala I. Al-Jaber<sup>2</sup> and Fatma U. Afifi<sup>3</sup></b> (Department of Biology, Faculty of Science, The University of Jordan, Amman 1942, Jordan). <b>A Comparative Screening of Chemical Composition and Biological Activities of <i>Achillea</i> Species Grown in Jordan</b>
13:00-13:15	<b>Mohammed S. Ali-Shtayeh, Rana M. Jamous and Salam Y. Abu Zaitoun</b> (Biodiversity and Biotechnology Research Unit, Biodiversity and Environmental Research Center, BERC, Til, Nablus, Palestine). <b>Medicinal Plants of Palestine: A Comprehensive Science-Based Field Assessment of Bioactive Properties of the Endemic Plants of Palestine</b>
13:15-13:30	<b>Ouknin Mohamed<sup>1,2</sup>, Romane Aderrahmane<sup>1</sup>, Majidi Lhou<sup>2</sup></b> (Laboratoire de chimie organique appliquée, Faculté des Sciences-Semlalia-BP. 2390, Université Cadi Ayyad, Marrakech). <b>Ethnobotanical Study of The Lamiaceae Family in Atlas Mountains, Morocco</b>
13:30-13:45	<b>Saleem Nabila<sup>1</sup> and Abdelhalim Abeer<sup>2</sup></b> (Biology department, Preparatory year, Taibah University, Saudi Arabia). <b>Tamrekh, A Traditional Method for Treatment of Women Infertility in Saudi Arabia</b>
13:45-14:00	<b>Staub PO<sup>1</sup>, Casu L<sup>2</sup>, Leonti M<sup>1</sup></b> (Department of Biomedical Science, University of Cagliari, Via Ospedale 72, 09124 Cagliari (CA)). <b>Shaping of Medicinal Plant Use: A Phylogenetic and Organoleptic Approach</b>

*The 15<sup>th</sup> International Congress of the International Society for Ethno-Pharmacology*

**Oral Session (11)**

(May 07, 2015. Jeresh Room)

Chairman: Dr. K AMIRA ABU SALIM (Environmental and Life Sciences. <sup>2</sup>Chemical Sciences, Faculty of Science, Universiti Brunei Darussalam, JalanTungku Link, Gadong BE1410, Darussalam, Brunei).

<b>(A) - Naturaceuticals and Dietary Supplements - Traditional to Modern</b>	
12:30-12:45	<b>Saavedra-Rodríguez, Roberto</b> (Departamento de Ciencias Básicas, Univ. Santo Tomás, Osorno, Chile). <b>Ethnobotanical Study of Medicinal Plant Use by Williche People from Chiloé Island</b>
12:45-13:00	<b>Zaid O Ibraheem<sup>1</sup>, AbdMajid, R.<sup>2</sup>, Hasidah, M.S.<sup>3</sup>, Sabariah, M.N.<sup>4</sup> and Yam MF, Basir R.<sup>5</sup></b> (Depart. of pharmacology and toxicology, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia). <b>Antiplasmodial and Chloroquine Resistance Suppressive Effect of Embeline Against <i>Plasmodium Falciparum</i> K1</b>
13:00-13:15	<b>Reem Issa<sup>1</sup>, Wamidh H. Talib<sup>2</sup> and Sajdah A. Salah<sup>1</sup></b> ( <sup>1</sup> Department of Pharmaceutical Chemistry and Pharmacognosy) <b>.Phytochemical Investigation and Antimicrobial Activities of Jordanian Premature <i>Psidium guajava</i> l. Fruit Peel Extract Using Soxhlet and Microwave Extraction Methods</b>
13:15-13:30	<b>WEI Xiao-Mei, HUANG Dan-Na and ZHAO Yi-Min</b> (Guangxi Botanical Garden of Medicinal Plants, Nanning 530023, China). <b>Metal Ion Levels of Powder and Water Extracts of <i>Gossampinus malabarica</i></b>
<b>B- The Ethnoveterinary Use of Plants in Animal Health and Productivity</b>	
13:30-13:45	<b>Ahmad, Khalid<sup>1</sup>; Ahmad, Mushtaq<sup>2</sup>; Weckerle, Caroline<sup>3</sup></b> ( <sup>1</sup> Department of Environmental Sciences, COMSATS Institute of Information Technology, Abbottabad-Pakistan). <b>Ethnoveterinary Knowledge and Practices in Tribal Communities of Thakht-E-Sulaiman</b>
13:45-14:00	<b>Hazim J. Al - Daraji</b> (Department of Animal Production, College of Agric.. Univ. of Baghdad, Iraq). <b>Effect of Pomegranate Juice as A Diluent Supplementation on Sperm Quality During Liquid Storage of Chicken Semen</b>
14:00-14:15	<b>Natik H.Saleh<sup>1</sup> and Mohammed A.Shwayel<sup>2</sup></b> ( <sup>1</sup> Department of Animal Resc. University of Baghdad. <sup>2</sup> Department of Animal Prod. University of Dialaa, Iraq). <b>Effect of Water Spray and Formaldehyde Treated and Untreated Anise Seeds Supplementation on Some Blood Charestaristic in Friesian Cow Under Heat Stress</b>

**Oral Session (12)**

(May 07, 2015. IDOM Room)

Chairman: Dr. Draper Munt, David<sup>1</sup> (<sup>1</sup>Dept. of Natural Sciences, Universidad Técnica Particular de Loja, Ecuador).

<b>Ethnobotanical Approach to Drug Discovery Strengths and Limitations</b>	
12:30-12:45	<b>Arıkan, Muzaffer<sup>1</sup>; Ari, Şule<sup>1,2</sup></b> (Istanbul University, Molecular Biology and Genetics Department). <b>An Investigation of Potential Gene Level Interactions of Herbal Products</b>
12:45-13:00	<b>Leonti Marco<sup>1</sup>, Dal Cero Maja<sup>2</sup>, Weckerle Caroline S<sup>3</sup>, Casu Laura<sup>4</sup></b> ( <sup>1</sup> Department of Biomedical Sciences, University of Cagliari, Via Ospedale 72, 09124 Cagliari (CA). <b>Reverse Ethnopharmacology and Drug Discovery</b>
13:00-13:15	<b>Michael Heinrich</b> (Centre for Pharmacognosy and Phytotherapy / Research Cluster Biodiversity and Medicines UCL School of Pharmacy, Univ. London, 29-39 Brunswick Sq., London WC1N 1AX, UK). <b>Ethnopharmacology and Global Health: Opportunities and Challenges</b>
13:15-13:30	<b>Sadaf Kayani<sup>1</sup>, Mushtaq A.<sup>1</sup>, Shazia S.<sup>1</sup>, Muhammed Z.<sup>1</sup>, Muhammad Pukhtoon Z. Khan, Ghulam Y.<sup>1</sup> and Manzoor H.<sup>2</sup></b> ( <sup>1</sup> Department of Plant Sciences, Quaid-i- Azam University Islamabad, 45320, Pakistan) <b>Ethnomedicinal Appraisal of the Medicinal Flora Among Indigenous Communities of Palas Valley Kohistan, Northern Pakistan.</b>
13:30-13:45	<b>Soelberg, Jens<sup>1,2</sup>, Jäger, Anna K.<sup>2</sup></b> ( <sup>1</sup> Museum of Natural Medicine, University of Copenhagen, Universitetsparken 2, 2100 Copenhagen. Denmark). <b>Ethnopharmacology and Forgotten Medicines of the Transatlantic Slave Trade</b>
13:45-14:00	<b>Subhash C Mandal</b> (Pharmacognosy and Phytotherapy Research Laboratory, Division of Pharmacognosy, Department of Pharmaceutical Technology, Jadavpur University, Kolkata, India). <b>Drug Discovery and Traditional Medicine: Learning it My Way Through Ethnic Society and Cultures Using a Holistic Approach</b>



Poster Sessions:

Poster Session (A)  
(Tuesday, May 05, 2015. Time: 16:45 – 17:45 PM)

Pharmacological and Clinical Studies of Medicinal Plants & Natural Products	
1	<b>Abdalsalam Kmail<sup>1,2</sup>, BadiaaLyoussi<sup>1</sup>, Hilal Zaid<sup>2</sup> and Bashar Saad<sup>2,1</sup></b> <i>Physiology-Pharmacology, University of Fez, P.O.Box 1796 Fez Atlas, Fez, Morocco.</i> <sup>2</sup> <i>Qasemi Research Center- Al-Qasemi Academic College and Faculty of Arts and Sciences, Arab American University Jenin, P.O.Box 240, Jenin, Palestine.</i> <b>Cytotoxic and Cytostatic Activity of <i>Asparagus Aphyllus</i>, <i>Crataegus Aronia</i> and <i>Ephedra alata</i> in Hepatocytes and Thp-1-Derived Macrophages in Mono- and Co-Cultures In Vitro</b>
2	<b>Ustundag Merve<sup>1</sup>, Aydin Betul<sup>1</sup>, Karabacak Osman<sup>2</sup>, Acik Leyla<sup>1</sup></b> <i>Gazi Univ., Faculty of Science, Department of Biology, 06500, Ankara.</i> <b>Antimicrobial and Antioxidant Activities of <i>Scandix australis</i></b>
3	<b>Afaf Benhouda, Mouloud YAHIA, Hachani Khadraoui, Nassiba Chafaa, Hadjar Bouti, Souhila Benbia and Djahida Benhoud</b> <i>Biotechnology's Laboratory of the Bioactive Molecules and the Cellular Physiopathology, Department of Biology, Univ. of Batna.</i> <sup>2</sup> <i>Laboratory of Anapathology, Univ. hospital center Chu, Batna, Algeria.</i> <b>In Vivo Evaluation of Hepatoprotective, Antiasthmatic and Antiallergic Activities of Methanolic Extracts of Leaves of <i>Hyoscyamus albus</i> l. (<i>solanaceae</i>) and <i>Umbilicus Rupestris</i> l. (<i>crassulaceae</i>)</b>
4	<b>Aher M.R.<sup>1</sup>, Laware R.B.<sup>1</sup>, Asane G.S.<sup>1</sup> and Kuchekar B.S.<sup>2,1</sup></b> <i>Department of QAT, Pravara Rural College of Pharmacy, Pravaranagar, A/P-Loni (413736), Tal-Rahata, Dist-Ahmednagar, Maharashtra.</i> <b>Formulation and Evaluation of Curcumin-Zn (Ii) Microparticulate Drug Delivery System For Antimalarial Activity</b>
5	<b>Ahmad, H. Al-Gabbiesh Al-Balq'a</b> <i>Applied University, Department of Allied Medical Sciences, Zarka University College, Zarka-Jordan.</i> <b>In Vitro Antimicrobial Activity of Some Medicinal Plants Grown In Jordan</b>
6	<b>Ajayi, Temitayo<sup>1,a</sup>, Moody J.<sup>1</sup> and Akintayo, C.<sup>2,1</sup></b> <i>Department of Pharmacognosy, Faculty of Pharmacy, University of Ibadan, Nigeria.</i> <b>Toxicological Evaluation of <i>Moringa oleifera</i> Seeds and Leaves in Wistar Rats</b>
7	<b>Pacheco, S.G.<sup>1</sup>, Secundino, C.A.<sup>2</sup>, Santos, A.P.A.<sup>2</sup>, Teles, C.B.G.<sup>3</sup>, Aleoni, G.<sup>4</sup> and Capellari Jr., L.<sup>4a</sup></b> <i>Luiz de Queiroz" College of Agriculture - University of São Paulo, 11, Pádua Dias Av., Piracicaba, 13418-900 Brazil.</i> <b>Evaluation of Bioactivity of the <i>Croton lechlerimüll. Arg.latex</i> in Microorganisms</b>
8	<b>Aminatu Abubakar Sani<sup>1</sup>, Bello S.O.<sup>2</sup>, Etuk E.U.<sup>2</sup>, and Bello A.Y.<sup>3,1</sup></b> <i>Department of Pharmacology and Toxicology, Faculty of Veterinary Medicine Usmanu Danfodiyo University, Sokoto.</i> <b>A Preliminary Screening of Whole Extract of <i>Guierasenegalensis</i> J.F.Gmel (Combretaceae) in Enhancing Milk Letdown in Wistar Rats</b>
9	<b>Asmma D.khaleel<sup>1</sup> and Sinaa M. Shakir<sup>2,1</sup></b> <i>Higher Academy for Scientific and Human studies, Biology Department, Baghdad.</i> <sup>2</sup> <i>Ministry of Health, Baghdad. Iraq.</i> <b>Antimicrobial Activity of <i>Thymus vulgaris</i> Extracts on <i>Acinetobacter baumannii</i> Isolates from Iraqi Patients</b>
10	<b>Attou Amina<sup>1</sup>, BENMANSOUR A.<sup>1</sup>, HADDOUCHI F.<sup>1</sup> and AMRANI I.<sup>2,1</sup></b> <i>Department of Biology, faculty of sciences, Laboratory of natural products: biological activities and synthesis, Univ. of Abou Bekr Belkaid, Tlemcen, Algeria</i> <b><i>Mentha pulegium</i> Essential Oil Against Hospital Strains</b>
11	<b>Koyuncu, Seyma<sup>1</sup>, Aydin Betul<sup>1</sup>, Karabacak Osman<sup>2</sup>, Acik Leyla<sup>1</sup></b> <i>Gazi University, Faculty of Science, Department of Biology, 06500, Ankara.</i> <b>Antimicrobial and Antioxidant Effects of <i>Silene aegyptiaca</i></b>
12	<b>Azzouli Salima<sup>1</sup>, Souilah Nabila<sup>1</sup>, Medjroubi Kamel<sup>1</sup>, Akkal Salah<sup>1</sup>, Benlabeled Kadour<sup>2</sup></b> <i>Unité de Recherche Valorisation des Ressources Naturelles Molécules Bioactives et Analyses Physico Chimiques et Biologiques, Département de Chimie, Facultés des Sciences Exactes, Université de Constantine 1, Algérie.</i> <b>Antibacterial Activity of <i>Centaurea dimorpha</i> (Asteraceae)</b>
13	<b>Baghiani A.<sup>1</sup>, Aouachria S., Boumerfeg S., Benslama A., Guemmaz T., Khennouf S., Charef N., and Arrar L.</b> <i>Laboratory of Applied Biochemistry, Faculty of Nature and Life Sciences, University Setif 1, Setif 19000.</i> <b>The In Vitro Antioxidant and Chelation Effect of <i>Rechardia Picroide</i> Extracts</b>
14	<b>Bekara .A.<sup>1</sup>, Ait Hamadouche, N.<sup>1</sup>, Kahloula K.<sup>2</sup>, Harouat, S.<sup>1</sup>, Tabass, D.<sup>1</sup> and Aoues.<sup>1,1</sup></b> <i>Laboratory of Biochem., Univ. ES-Senia.</i> <sup>2</sup> <i>Laboratory of Biochemistry, Department of Biology, University of Taher Molay, Saida, Algeria.</i> <b>Neurobehavioral Study of Oral Administration of <i>Pimpinella Anisum</i> L (Aniseed) Aqueous Extract in Young Rats Exposed to Lead Acetate</b>
15	<b>Ferdjioui S.<sup>1</sup>, Belhattab Rachid<sup>1</sup>, Zaibet W.<sup>2</sup>, Tumen I.<sup>3,1</sup></b> <i>Department of Biochemistry, Faculty of nature and life Sciences, University Ferhat Abbas – Setif-1, 19000 Setif, Algeria.</i> <b>Antioxidant and Antimicrobial Activities of <i>Mentha Rotundifolia</i> Essential Oils</b>
16	<b>Bouhekrit Moufida<sup>1</sup>, Hocine L.<sup>1</sup>, Hajji M.<sup>2</sup> and Nasri M.<sup>2,1</sup></b> <i>Laboratoire de Valorisation des Ressources Biologiques Naturelles, Département de Biologie et écologie végétale, Université Ferhat Abbas, Sétif, Algérie.</i> <b>Study of the Antimicrobial Activity of Essential Oil of <i>Elaeoselinum asclepium</i></b>
17	<b>Bouchenak Fatima, Lmegharbi Abdelbaki, Housseem Degaichia and Benrebihia Fatima</b> <i>Laboratory of Mycology, Department of Biotechnology, Faculty of Science and life, University Blida 1, BP 780, Soumaa, Blida, Algeria.</i> <b>In Vitro Antifungal Activity of Essential Oil of <i>Artemisia absinthium</i></b>
18	<b>Boukhebti Habiba, Chaker Adel Nadjib, Ramdhani Massoud and Sahli Farida</b> <i>Laboratory of Natural Resource Valorisation, SNV Faculty, Setif 1 University, 19000 Setif, Algeria.</i> <b>Antimicrobial Activity of <i>Mentha aquatica</i> Essential Oils and Olive Oil</b>

19	<u>Bouzitouna A.</u> <sup>1</sup> , <u>Ouali S. Amri</u> <sup>2</sup> , <u>Rahmoun H.</u> <sup>2</sup> , <u>Djeddi S.</u> , <u>Bensouilah M.</u> <sup>2,1</sup> <i>Department of Biology, Faculty of Science Annaba University 23000.</i> <sup>2</sup> <i>Department of Biochemistry, Faculty of Science Annaba University, Algeria.</i> <b>Phenolic Content and Antioxidant Activity of <i>Cistanche tinctoria</i> (Orobanchaceae) Aqueous and Methanolic Extracts</b>
20	<u>Chakit Miloud</u> <sup>1</sup> , <u>Boussekkour R.</u> <sup>1</sup> , <u>Elhessni A.</u> <sup>1</sup> , <u>Ouichou A.</u> <sup>1</sup> , <u>Benazzouz B.</u> <sup>2</sup> and <u>Mesfioui A.</u> <sup>1,1</sup> <i>Laboratory of Genetics, Neuroendocrinology and Biotechnology, Faculty of Sciences, Ibn Tofail University, Kenitra.</i> <sup>2</sup> <i>Department of Biology, Faculty of Sciences, University Mohammed V, Rabat, Morocco.</i> <b>Effect of <i>Ziziphus Lotus</i> Fruit Extract on Ethylene Glycol-Induced Lithiasis in Rats</b>
21	<u>Chaweewan Jansakul</u> <sup>1,2</sup> , <u>Kuldej Tachanaparukse</u> <sup>3</sup> , <u>Muhammad Zia-Ul-Ha</u> <sup>4</sup> <i>Faculty of Traditional Thai Medicine and</i> <sup>2</sup> <i>Natural Product Research Centre of Excellence, Prince of Songkla University, Songkhla 90112, Thailand,</i> <b>Aphrodisiac Activity of <i>Ipomoea hederacea</i> Jacq. Seed Methanolic Extract on Isolated Human Cavernosum</b>
22	<u>Er Ayse</u> <sup>1</sup> , <u>Corum Orhan</u> <sup>1</sup> , <u>Cetin Gul</u> <sup>2</sup> , <u>Dik Burak</u> <sup>1</sup> <i>Department of Pharmacology and Toxicology, Veterinary Faculty, University of Selcuk, Konya</i> <b>Effect of <i>Nerium oleander</i> Distillate Administration on Serum Nitric Oxide Levels</b>
23	<u>Daas Amieur S.</u> <sup>1</sup> , <u>Alloui L.</u> <sup>2</sup> and <u>Ourida, Hambaba L.</u> <sup>1</sup> <i>Laboratoire de chimie des matériaux et des vivants : Activité et réactivité, Department of Biology, El Hadj-Lakhdar university of Batna.</i> <b>Test of Haemostatic and Antibacterial Activities of Syrups from Waste Dates</b>
24	<u>Dehimi, Khadidja</u> <sup>1,2</sup> <u>Dahamna, S.</u> <sup>2</sup> , <u>Speciale, A.</u> <sup>3</sup> , <u>Cimino F.</u> <sup>3</sup> , <u>Cristani Maria T.</u> <sup>3</sup> and <u>Saija A.</u> <sup>3</sup> <i>Faculty of Natural and Life Sciences, Dept. Of Biochemistry, University Ferhat Abbas, Setif 1, Algeria.</i> <sup>2</sup> <i>Laboratory of phytotherapy applied to chronic diseases, University Setif-1, Algeria.</i> <b><i>Thymelaea Microphylla</i> Acetone Extract Protects Endothelial Cells Against Tnf-A-Induced Inflammation</b>
25	<u>Dey, Amitabha</u> <sup>1</sup> , <u>Chatterjee, S.S.</u> <sup>2</sup> , and <u>Kumar, V.</u> <sup>1</sup> <i>Neuropharmacology Research Laboratory, Department of Pharmaceutics, Indian Institute of Technology (Banaras Hindu University), Varanasi-221 005, India.</i> <b>Comparison of Effects of Single and Repeated Doses Of <i>Withania Somnifera</i> Extract in Mice</b>
26	<u>Dias Araujo Mazzari, Andre L.</u> <sup>1</sup> , <u>Silveira, D.</u> <sup>2</sup> , and <u>Garcia, Jose</u> <sup>1</sup> <i>Department of Pharmaceutical &amp; biological Chemistry, UCL School of Pharmacy, 29-39 Brunswick Square, WC1N 1AX London, UK.</i> <b>Pharmacokinetic Effects of Herbal Medicines in Brazil: Effects on Glutathione Levels</b>
27	<u>Djamila A.</u> <sup>1</sup> , <u>Abderrahmane B.</u> <sup>2</sup> , <u>Saliha D.</u> <sup>3</sup> , <u>Sabah B.</u> <sup>2</sup> , <u>Seddik K.</u> <sup>3</sup> and <u>Lekhmici A.</u> <sup>2</sup> <i>Department of Biochemistry, Faculty of Nature and Life Sciences, University Abderrahmane Mira Bejaia, Algeria.</i> <b>The Antioxidant and Lipid Peroxidation Activities of <i>Daphne gnidium</i> L. Extracts</b>
28	<u>Durna Duygu</u> <sup>1</sup> and <u>Kart Asim</u> <sup>2</sup> <i>Arac Rafet Vergili Vocational School, University of Kastamonu, Kastamonu.</i> <sup>2</sup> <i>Department of Pharmacology and Toxicology, Veterinary Faculty, Univ. of Mehmet Akif Ersoy, Burdur, Turkey.</i> <b>Effect of Silymarin Against Methotrexate Induced Gastrointestinal Injury</b>
29	<u>El kolli Hayet</u> <sup>1</sup> , <u>Laouer H.</u> <sup>2</sup> and <u>El kolli M.</u> <sup>2</sup> <i>Laboratory of Multiphase Polymeric Materials, University of Setif 1, Setif, Algeria.</i> <b>Chemical Composition and Antibacterial Activity of <i>Bunium alpinum</i>, and <i>incrassatum</i> Essential Oils</b>
30	<u>El Kolli Meriem</u> <sup>1</sup> , <u>Laouer H.</u> <sup>1</sup> , <u>Sahli F.</u> <sup>1</sup> , <u>Akkal S.</u> <sup>2</sup> and <u>El Kolli H.</u> <sup>1</sup> <i>Laboratory of Natural Biological Resources, University of Setif 1, Setif.</i> <b>Chemical Composition and Antioxidant Properties of <i>Daucus gracilis</i> Extracts</b>
31	<u>Al-sammaraei, Khulood Rajab, Eslah Hamoodi, Salim</u> <sup>1</sup> <i>Biotechnology Department, College of Science, University of Al-Nahrain, Baghdad, Iraq.</i> <sup>1</sup> <i>Baghdad University, Baghdad, Iraq.</i> <b>Anti-Inflammatory Effect of <i>Loranthus europaeus</i> Extract on Wound Skin in Rabbit</b>
32	<u>Fatima ZERARGUI</u> <sup>1</sup> , <u>Abderrahmane BAGHIANI</u> <sup>1</sup> , <u>Sabah BOUMERFEG</u> <sup>1</sup> , <u>Meriem DJARMOUNI</u> <sup>1</sup> , <u>Lekhmici ARRAR</u> <sup>1</sup> , <u>Noureddine CHAREF</u> <sup>1</sup> , <u>Seddik KHENNOUF</u> <sup>2</sup> , and <u>Musa H. Abu Zarga</u> <sup>3</sup> <i>Laboratory of Applied Biochemistry, Faculty of Nature and Life Sciences, University Setif1, Setif 19000, Algeria.</i> <b>Xanthine Oxidase Inhibitory Effect of <i>Tamus communis</i> Roots Extract</b>
33	<u>Guenane Hadjira</u> <sup>1</sup> , <u>Bakchiche Boulanouara</u> <sup>2</sup> , and <u>Gherib Abdelaziza</u> <sup>2</sup> <i>Faculté de Technologie, Université Amar Telidji-Laghouat, B.P 37G, Laghouat 03000, Algérie.</i> <b>Antioxidant Activity of Phenolic Extracts of Punica Granatum Peels in Algeria</b>
34	<u>H. Metidji</u> <sup>1,2</sup> , <u>T. Dob</u> <sup>2</sup> , <u>A. Toumi</u> <sup>2</sup> , <u>A. Ksouri</u> <sup>2</sup> , <u>S. Krmat</u> <sup>2</sup> and <u>A. Nouasri</u> <sup>2</sup> <i>Department of Population Biology and Organismic, FSNV, USDB.</i> <sup>2</sup> <i>Laboratory of Bioactive Molecules and Biomass Valorisation, ENS-kouba, Algeria.</i> <b>In Vitro Screening of Secondary Metabolites and Evaluation of Antioxidant and Antimicrobial Properties of <i>Gelidium sesquipedale</i> Thuret et Bornet Red Sea Weed from Algeria</b>
35	<u>Hasan Yusufoglu</u> <sup>1</sup> , <u>Gamal A.S.</u> <sup>2</sup> , <u>Rehab F.A.</u> <sup>3</sup> , and <u>Özgen Alankuş- Ç.</u> <sup>4</sup> <i>Department of Pharmacognosy, College of pharmacy, Salman bin Abdulaziz University, Al-Kharj, KSA.</i> <b>The Potential Hepatoprotective and Antioxidant Activities of <i>Astragalus Subrobustus</i> and <i>Astragalus woronowii</i> Ethanolic Extracts Against Paracetamol Induced Liver Damage in Rats</b>
36	<u>Brahmi M.</u> , <u>Berka B.</u> , <u>Boudjella H.</u> <sup>2</sup> , <u>Hassani A.</u> <sup>1</sup> <i>Laboratoire de Recherche sur les Produits Bioactifs et Valorisation de la Biomasse Laboratoire de Biologie des Systèmes Microbiens BP. 92, Kouba, Algiers, Algeria, Ecole Normale Supérieure, BP 92, Vieux Kouba, Alger, Algérie</i> <b>Composition and antimicrobial activity of the essential oil of <i>Achillea millefolium</i> L. Growing in Algeria.</b>
37	<u>Hluchý Svätoslav, Toman R.</u> , and <u>Miklášová T.</u> <i>Slovak University of Agriculture Nitra, Slovak Republic.</i> <b>Influence of Glucosamine Sulfate on Osteoarthritis in Rabbits</b>
38	<u>Hutadilok-Towatana, N.</u> <sup>1,3</sup> <u>Bunkrongcheap, R.</u> <sup>1</sup> <u>Inafuku, M.</u> <sup>2</sup> <u>Oku, H.</u> <sup>2</sup> <u>Wattanapiromsakul Chatchai</u> <sup>4</sup> . <sup>2</sup> <i>Center of Molecular Biosciences, Tropical Biosphere Research Center, University of the Ryukyus, Okinawa, Japan.</i> <sup>3</sup> <i>Natural Product Research Center of Excellence, Prince of Songkla University, Hat-Yai, Thailand.</i> <b>Hexane Fraction of Ivy Gourd (<i>Coccinia grandis</i> L. Voigt) Root Exerts Lipid-Lowering Effects in Mice Fed a High-Fat Diet</b>

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39	<b>Itankar Prakash<sup>1</sup>, Murkute Ashlesh<sup>1</sup>, Shanware Arti<sup>2m1</sup></b> <i>Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440033, (MS).</i> <sup>2</sup> <i>Rajiv Gandhi Biotechnology Centre, L.I.T. Campus, Nagpur-440033, (MS) India.</i> <b>In Vitro Antidandruff Activity of Biotransformed Extract of <i>Calendula officinalis</i></b>
40	<b>Iurchenko N.S., Ilyina T.V., Kovaleva A.M., Toryanik E.L., and Kulish I.A.</b> <i>National University of Pharmacy, 53, str. Pushkinska, 61002, Kharkiv, Ukraine.</i> <b>The Study of Antihypoxic and Sedative Activity of the Dry Extract <i>asperula odorata</i> l.</b>
41	<b>Shahinaz M.<sup>1</sup>, Hilal Z.<sup>1,2</sup>, Jamilla Daragmeh<sup>2</sup> and Bashar S.<sup>1,2,1</sup></b> <i>Qasemi Research Center- Al-Qasemi Academic College, Baqa-El-Gharbia. <sup>2</sup>Faculty of Arts and Sciences, Arab American Univ. Jenin, P.O.Box240, Jenin, Palestine.</i> <b><i>Peganum Harmala</i> Seed Extract Modulates Anti-Inflammatory and Pro-Inflammatory Cytokines Release in Thp-1-Derived Macrophages</b>
42	<b>Kada, S., Bouriche, H., Laouicha, S., kherbeche, A. and Senator, A.</b> <i>Laboratory of Applied Biochemistry, Department of Biochemistry, Faculty of Natural Sciences and Life, Sétif 1, Algeria.</i> <b>Effect of the Methanolic Extract of <i>hertia cheirifolia</i> (L.) on Acute and Sub-Chronic Inflammations</b>
43	<b>Khreisat Nadjoua</b> <i>Organic chemistry laboratory and valorization of natural substance, Ziane Achour, Algeria.</i> <b>Demonstrated a Clotting Activity in the Extract of <i>Mollugo cerviana</i></b>
44	<b>Kladar, Nebojša<sup>1</sup>, Srđenović, Branislava<sup>1</sup>, Grujić, Nevena<sup>1</sup>, Gavarić, Neda<sup>1</sup>, Bogavac, Mirjana<sup>2</sup>, Anačkov, Goran<sup>3</sup>, Božin, Biljana<sup>1</sup></b> <i>Department of Pharmacy, Faculty of Medicine, University of Novi Sad, Hajduk Veljkova, Novi Sad.</i> <b>Inhibition of Acetylcholinesterase by <i>Sixhypericum</i> Species from Balkan Peninsula</b>
45	<b>krimat Soumia<sup>1</sup>, Dob T.<sup>1</sup>, Toumi M.<sup>2</sup>, Noasri A.<sup>1</sup>, Metidji H.<sup>1</sup>, Chelghoum C.<sup>3,1</sup></b> <i>Laboratory of bioactive products and biomass valorization research. ENS-kouba, Algiers.</i> <b>Antioxidant Activity and Total Phenolic Content of <i>Origanum Glandulosum</i> from Algeria</b>
46	<b>Kumarappan Chidambaram<sup>1</sup>, Cini Mathew J.<sup>2</sup> and Subash Chandra M.<sup>3,1</sup></b> <i>Department of Pharmacology, School of Pharmacy, Taylor's University, Malaysia-47500.</i> <b>Polyphenolic Extract of <i>Ichnocarpus Frutescenes</i> Leaves Modulates Peripheral Glucose Uptake Through Glut Transporters in Experimental Type 2 Diabetic Rats</b>
47	<b>M.S. Abu-Darwish<sup>1</sup>, C. Cabral<sup>2,3,4</sup>, M. J. Gonçalves<sup>3,4</sup>, C. Cavaleiro<sup>3,4</sup>, M.T. Cruz<sup>4</sup>, L. Salgueiro<sup>3,4,3</sup></b> <i>Centro de Estudos Farmacêuticos/Faculdade de Farmácia, Pólo das Ciências da Saúde, Azinhaga de Santa Comba, Universidade de Coimbra, 3000-548 Coimbra, Portugal. <sup>4</sup>Centro de Neurociências e Biologia Celular e Faculdade de Farmácia, Pólo das Ciências da Saúde, Azinhaga de Santa Comba, Universidade de Coimbra, 3000-295 Coimbra, Portugal.</i> <b>Evaluation of Safe Doses with Both Antifungal and Anti-Inflammatory Activities of <i>Artemisia Herba-Alba</i> Asso Essential Oil from Buseirah (South Jordan)</b>
48	<b>Loubna Amor<sup>1</sup> and Rachid Belhattab<sup>2,1</sup></b> <i>Department of Ecology and biology vegetal, Faculty of Nature and Life Sciences, Ferhat Abbas University, 19000 Sétif, Algeria.</i> <b>Antioxidant Activity of Aqueous Extract from <i>Crataegus Oxyacantha</i> Leaves</b>
49	<b>Luján-Carpio, E., Medina-Salazar, H., Mayor-Vega, A., Medrano-Canchari, K., Mazuelos-Rivas, M., Lizarraga-Castañeda, Z., Pante-Medina, C. and Salazar-Gr.A.</b> <i>Universidad de San Martin de Porres, Facultad de Medicina Humana, Centro de Investigación de Medicina Tradicional y Farmacología.,Peru.</i> <b>Anti-Inflammatory and Neurobehavioral Effects of the Leaves from <i>Maytenus macrocarpa</i> (Ruiz &amp; Pavón) Briquet in Mice</b>
50	<b><sup>1,4</sup>Mahabusarakam,W., <sup>1,4</sup>Yanya, A., <sup>2,4</sup>Phongpaichit, S., <sup>3</sup>Watanapokasin, R.</b> <i>Department of Chemistry, Faculty of Science, Prince of Songkla University, Hat Yai, Songkhla 90112, Thailand.</i> <b>Chemical Constituents of the Bark of <i>Artocarpus elasticus</i> Withbiological Activity</b>
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53	<b>Merouani, N.<sup>1</sup>, Belhattab, R.<sup>2</sup>, Sahli, F.<sup>3,1</sup></b> <i>Department of Vegetal Biology and Ecology, Faculty of Nature and Life Sciences. University Ferhat Abbas –Sétif 1– 19000, Sétif.</i> <b>Evaluation of the Antimicrobial Activity of <i>Aristolochia longa</i> l. Extracts</b>
54	<b>Meratate Faiza<sup>1</sup>, Lalaoui Aissa<sup>1</sup>, Akkal Saleh<sup>2</sup>, Rebbas Khellaf<sup>3</sup>, Ouali El Dhemi<sup>1</sup>, Benmakhbi Lotfi<sup>1</sup>, Bouhadda Amina<sup>4</sup>, Laouar Hocine<sup>4</sup></b> <i>(<sup>1</sup>Department of Chemistry, Universite of M'sila, Algeria).</i> <b>Antioxidant and Antibacterial Activities of Essential Oil and Extract of <i>Zizyphora hispanica</i> l. of M'sila</b>
55	<b>Mohamed Beghalia<sup>1</sup>, Aissa Belouatek<sup>1</sup>, Said Ghalem<sup>2</sup>, Hocine. Allal<sup>2,1</sup></b> <i>Laboratoire Environnement, les Substances Naturelles Végétales et Technologie des Aliment (E.S.N.T.A), Centre universitaire de Relizane, Algérie.</i> <b>In Vitro Effect of <i>Citrullus colocynthis</i> and <i>Aacacia radiana</i> on Phosphate Calcium Crystallization</b>
56	<b>Mohammed Gherib, Fewzia Atik Bekkara and Chahrazed Bekhechi</b> <i>Laboratoire des produits naturels, Département de Biologie, Université Abou Bekr Belkaid, Tlemcen, Algérie</i> <b>Composition and Antimicrobial Activity of the Essential Oil from Algerian <i>Warionia saharae</i> Benth. and Hook</b>
57	<b>Mounira Merghem, AbirRazagui, and SalihadAhamna</b> <i>Laboratory of Phytotherapy Applied to Chronic Diseases, Dept. of Animal Biology and Physiology, Faculty of Natural and Life Sciences, Univ. Ferhat Abbas, Sétif. Algeria.</i> <b>Effect of Prolonged Oral Administration of Aqueous <i>Ruta montana</i> l. Extract on Fertility Potential in Albino Rats</b>
58	<b>Neda Gavarić<sup>1</sup>, Nebojša K<sup>1</sup>., Mirjana B<sup>2</sup>., Mijatović V<sup>3</sup>., Samojlik I<sup>3</sup>. and Biljana B.<sup>1,1</sup></b> <i>Department of Pharmacy, Faculty of Medicine, University of Novi Sad, Hajduk Veljkova3, RS-21000 Novi Sad.</i> <b>Anxolytic Effect of Deodorised Extracts of <i>Mentha x piperita</i> L., Lamiaceae</b>

59	<b>Phongpaichit, S.<sup>1,2</sup>, Mahabusarakam<sup>2,3</sup>, W., Kummee, S.<sup>4</sup> and Wattanapiromsakul, C.<sup>4,1</sup></b> <i>Department of Microbiology, Faculty of Science, Prince of Songkla University, Hat Yai, Songkhla 90110.</i> <b>Antibacterial Activities of Mangostins from <i>Garcinia Mangostana</i></b>
60	<b>Radia ayad, Salima azzouzi, Kamel medjroubi, and Salah akkal</b> <i>Unité de recherche : Valorisation des ressources Naturelles, Molécules Bioactives et Analyses Physico-chimiques et Biologiques, Univ. Constantine 1, Algérie.</i> <b>Evaluation of Antibacterial Activity of Ethyl Acetate Extract of <i>Centaurea melitensis</i> L.</b>
61	<b>Ramdane F.<sup>1,2</sup>, Hadj M.M.<sup>1</sup>, Ouel Hadj M.D.<sup>3,1</sup></b> <i>Biogeochemistry laboratory in desert environments. Kasdi Merbah University. BP 511, 30000. Ouargla.</i> <b>Antioxidant Activity of a Local Plant <i>Myrtus nevellie</i> of Algeria</b>
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63	<b>Saffidine Karima<sup>1</sup>, Sahli F.<sup>1</sup> and Zerroug M.M.<sup>2,1</sup></b> <i>Dept. of Medicine, Faculty of Medicine, Univ. Ferhat Abbas, Sétif 1. <sup>2</sup>Department of Microbiology, Faculty of Natural and Live Sciences, Univ. Ferhat Abbas, Sétif 1, Algeria.</i> <b>Antioxidant and Antimicrobial Activities of <i>Plantago major</i></b>
64	<b>Salazar-Granara A., Pante-Medina C., Alvarado-Yarasca, A. and Loja-Herrera B</b> <i>Authors affiliations: Center of Traditional Medicine &amp; Pharmacology, from the School of Medicine of the San Martin de Porres University.</i> <b>Pharmacologic Activity of <i>Maytenus macrocarpa</i> Leaves (Ruiz &amp; Pav.) Briq. (Chuchuhuasi) on Rodents</b>
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67	<b>Sawangjaroen, K. and Sarakhaeveerakul, P.</b> <i>Department of Pharmacology, Faculty of Science, Prince of Songkla University, HatYai, Songkhla, 90110, Thailand.</i> <b>Effects of Methanolic Extract From <i>piper nigrum</i> linn. on Uterine Contraction in Rats</b>
68	<b>Sifi Ibrahim<sup>1</sup>, Benaddou Fatima Zohra<sup>2</sup> and Yousfi Mohamed<sup>1,1</sup></b> <i>Laboratory of Fundamental Sciences, Univ. Amar Telidji of Laghouat, Algeria.</i> <b>Antioxidant and Antimicrobial Activities of Phenolic Extracts of Endemic Plants <i>Marrubium Deserti</i> and <i>Ammodaucus Leucotrichus</i> from Algeria</b>
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71	<b>Intharachatorn Thida and Srisawat Rungrudee</b> <i>School of Physiology, Institute of Science, Suranaree University of Technology, Nakhon Ratchasima Province, Thailand.</i> <b>Sub-Chronic Effects of <i>Centella asiatica</i> Extract on Blood Pressure of Rats</b>
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73	<b>Ting Han, Li-Ming Xue, Yi-Ping Jiang, Min Jia, Lu-Ping Qin, Qiao-Yan Zhang</b> <i>Department of Pharmacognosy, School of Pharmacy, Second Military Medical University, 325 Guohe Road, Shanghai 200433, People's Republic of China.</i> <b>Hepatotoxic Constituents and Toxicological Mechanism of <i>Xanthium strumarium</i> L. Fruits</b>
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75	<b>Surada S.<sup>1</sup>, Florian H.<sup>2,3</sup>, Aornrutai P.<sup>1</sup> and WipaweeNittayananta<sup>4,5,6,1</sup></b> <i>Department of Biomedical Sciences, Faculty of Medicine, Prince of Songkla University, Hat Yai, Songkhla, Thailand.</i> <b>Vaginal Innate Immunity is Modulated by a Water Extract of <i>Houttuynia cordata</i> Thunb</b>
76	<b>Z. Louail<sup>1</sup>, A. Kameli<sup>2</sup>, T. Benabdelkader<sup>3</sup>, M. Mahdid<sup>4</sup>, K. Bouti<sup>5</sup></b> <i>Département des Sciences Naturelles, Laboratoire, d'Ecophysiologie Végétale, Ecole Normale Supérieure, Alger, Algérie.</i> <b>Antioxidant Activity of Essential Oil of <i>Ammodaucus Leucotrichus</i> Seeds</b>
77	<b>ZAHID MANZOOR</b> <i>Isra University, Pakistan.</i> <b>Evaluation of Nephroprotective Effects of <i>Foeniculum Vulgare</i> Mill, <i>Solanum Nigrum</i> Linn and Their Mixture Against Gentamicin-Induced Nephrotoxicity in Albino Rabbits</b>
78	<b>Zambrano-Huaila, Alexander<sup>1,2</sup>; Goicochea-Lugo, Sergio<sup>1,2</sup>; Zambrano-Huaila, Rommel<sup>1,2</sup>; Zavala-Flores, Ernesto<sup>1,2</sup>; Chau-Saravia, Angel<sup>1</sup>; García-Berrocal, Jorge<sup>1,2</sup>; Pante-Medina, Carlos<sup>1</sup>; Salazar-Granara, Alberto<sup>1,2</sup></b> <i><sup>1</sup>Universidad de San Martin de Porres, Centro de Investigación de Medicina Tradicional y Farmacología (CIMTFAR), Facultad de Medicina Humana.</i> <b>Study on inflammation pathway and nervous system of the ethanolic extract of <i>Jatropha curcas</i> L.</b>

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79	<u>Zambrano-Santoyo, Claudia</u> , <u>Zúñiga-Espinoza, L.</u> , <u>Zanabria-Puente, R.</u> , <u>Zegarra-Sánchez, Joshi</u> ; <u>Zaga-Quispe, Nathaly</u> ; <u>Pante-Medina, Carlos</u> ; <u>Salazar-Granara, Alberto</u> . Authors affiliations: <i>Universidad de San Martín de Porres.</i> <b>Antipsychotic and Behavior Effect of <i>Maytenus macrocarpa</i> (Ruiz &amp; Pav.) Briq. In Mice</b>
80	<sup>1</sup> Huda F. Hasan, <sup>2</sup> Oday K. Iuaibi, <sup>3</sup> Zena M. Fahmi ( <sup>3</sup> Dept. of Pharmacology and Medicine Plants, College of Pharmacy, University of Baghdad, Iraq) <b>Effect of Crude Extract of <i>Cyperus Esculentus</i> ground Nuts in Experimentally Induced Hyperglycemia in Mice</b>
81	<b>Haddouchi, F., Zerhouni, khadidja and Chaouche, Tarik M.</b> <i>University Aboubekr Belkaid Tlemcen, Faculty of Natural Sciences and Life Sciences and Earth and the Universe; Department of Biology, Laboratory Natural Products "LAPRONA."</i> <b>Antimicrobial Potential of Selected Excerpts from Two Medicinal Plants</b>

**Poster Session (B):**

(Thursday, May 07, 2015. Time: 10:30– 11:30 AM)

<b>Analytical Assays and Quality Assurance of Ethnopharmacological Sources</b>	
82	<b>Abdulrahman E. Koshak<sup>1,3</sup>, Emad A. K<sup>2</sup>, Anthony B<sup>3</sup> and Michael H. <sup>3</sup></b> <i>Department of Natural Products &amp; Alternative Medicine, Faculty of Pharmacy, King Abdulaziz University, Jeddah, Saudi Arabia. <sup>2</sup>Department of Internal Medicine, Al-Baha University, Al-Baha, Saudi Arabia. <sup>3</sup>Biodiversity and Medicines Research Cluster, UCL School of Pharmacy, University of London, London, United Kingdom.</i> <b>Assessing <i>Nigella Sativa</i> (Black Seed) Variability Using NMR-Based Metabolomics</b>
83	<b>Ahmed Nouasri<sup>1</sup>, Tahar Dob<sup>1</sup>, Dahmane Dahmane<sup>1</sup>, Soumia Krinat<sup>1</sup>, Lynda Lamari<sup>1</sup>, Mohamed Toumi<sup>2</sup>, Chaabane Chelgoume<sup>3</sup></b> <i>Bioactive Molecules Laboratory and valorisation of biomass, Ecole Normale Supérieure, B. P.92, 16500 Kouba-Algers.</i> <b>Chemical Composition and Antimicrobial Activity of the Essential Oil of <i>Thymus lanceolatus</i> Desf. an Endemic Thyme from Algeria\</b>
84	<b>Rahmouni Malika<sup>1</sup>, Akkal Salah<sup>2</sup>, Laouer Hocine<sup>1</sup>, and Sahli Farida<sup>1</sup></b> <i>University of Setif 1, Faculty of Natural and life Sciences, Department of Ecology and Vegetal Biology, Laboratory of Valorization of Natural and Biological Resources, 19000, Setif,</i> <b>Chemical Composition And Biological Activity <i>Balansea Glaberrima</i> Essential Oil</b>
85	<b>Al Hafi Monay<sup>1,2</sup>, El Beyrouthy Marc<sup>3</sup>, Ouaini Naim<sup>4</sup>, Chaillou Sylvain<sup>5</sup></b> <i>Holy Spirit University of Kaslik, Sciences Department, Jounieh, Lebanon. <sup>2</sup>Agroparistech, UMR INRA/ Institut Jean-Pierre Bourgin, Paris, France. <b>Chemical Composition, Antimicrobial Activity and Ethnopharmacology of Lebanese Oregano</b></i>
86	<b>Azi Mouna<sup>1</sup> and Laouer Hocine<sup>2</sup></b> <i>Laboratory of biological resources valorization, Faculty of Technology, University of Ferhat Abbas, Sétif.</i> <b>Chemical Composition and Antibacterial Activity of <i>Clinopodium vulgare</i> Essential Oil</b>
87	<b>B. Berka-Zougali<sup>1,2</sup>, C. Besombes<sup>2</sup>, Hassani<sup>1</sup>, K. Allaf<sup>2</sup></b> <i>Ecole Normale Supérieure, Laboratoire de Recherche sur les Produits Bioactifs et la Valorisation de la Biomasse, vieux-Kouba 16050Alger, Algérie. <sup>2</sup>Univ. of La Rochelle; Laboratory of Engineering Science for Environment LaSIE UMR-CNRS 7356. Intensification of Indust. Eco-Processes. Pole Science and Technol., Avenue Michel Crepeau, 17042 La Rochelle cedex 01. France.</i> <b>Impacts of Instant Controlled Pressure-Drop Treatment on Chemical Composition, Antioxidant Activity, and Microbial Activity of <i>Myrtus communis</i> L. Essential Oils</b>
88	<b>B. Harkati<sup>1</sup>, M. Benahmed<sup>1</sup>, M. Djedei<sup>1</sup>, S. Akkal<sup>2</sup>, and H. Laouer<sup>3</sup></b> <i>Laboratoire des molécules bioactives et applications, Université Tébessa, Route de Constantine 12000 Tébessa.</i> <b>Inhibition of Carbon Steel (Api 5L Gr B) Corrosion By <i>Inula Viscosa</i> Extract</b>
89	<b>Lefahal M<sup>1</sup>, Benahmed M.<sup>2</sup>, Zaabat N.<sup>1</sup>, Hay AE.<sup>3</sup>, Akkal S.<sup>1</sup>, Medjroubi K.<sup>1</sup>, Dijoux-Franca M-G.<sup>3</sup> and Laouer H.<sup>4</sup></b> <i>Unité de recherche Valorisation des ressources naturelles Molécule bioactives et Analyses Physico-chimiques et Biologiques, Département de chimie, Faculté des sciences, Université de Constantine1, route d'Ain El Bey, 25000 Constantine.</i> <b>Chemical Composition of <i>Limonium thouinii</i> (viv) . O. Kuntze (plumbaginaceae) and the DPPH Free Radical Scavenging Activity</b>
90	<b>Benamar Houari<sup>1,2</sup>, Bennaceur Malika<sup>1,3</sup>, Marouf Abderrazak<sup>1,4</sup></b> <i>Laboratoire de Biochimie Végétale et des Substances Naturelles, Département de Biologie, Faculté des Sciences de la Nature et de la Vie, Université d'Oran 1, B.P. 1524, El M'Naouer, 31000 Oran. <sup>2</sup>Département de Biologie, Faculté des Sciences de la Nature et de la Vie, Université de Mostaganem, B.P. 188, 27000 Mostaganem.</i> <b>Phytochemical Analysis and Anticholinesterasic Effect of Atlantic Pistachio</b>
91	<b>Bouzabata Amel<sup>1</sup></b> <i>Laboratory of Pharmacognosy, Faculty of Pharmacy, Badji-Mokhtar University, Zaafrania City BP205. Annaba. 23000. Algeria.</i> <b>Microscopic Control of Turmeric <i>Curcuma longae</i> L. Rhizomes Using Multivariate Analysis</b>
92	<b>Accorsi, W.M<sup>1</sup>, Souza, C.V.C.A<sup>1</sup>, Pacheco, S.G<sup>2</sup>, Gaspi, F.O.G<sup>3</sup>, Capellari Jr. L.<sup>4</sup>, Negri, M.B<sup>4</sup>, Minohara, A.C.M<sup>4</sup>, Tanaka, E.E.<sup>4</sup> and Parro, E.A.<sup>4</sup></b> <i>Prof. Accorsi Medicinal Plants Ltd. - Pharmacy of Manipulation, 568 Gov. Pedro de Toledo st., Piracicaba, 13400-060</i> <b>Analysis of Active Ingredients in Different Extracts of <i>Fridericia chica</i></b>
93	<b>D. Azzouzi, R. Mekkiou, R. Seghiri, F. Benayache, and S. Benayache</b> <i>Unité de recherche Valorisation des Ressources Naturelles, Molécules Bioactives et Analyses Physicochimiques et Biologiques (VARENBIOMOL), Département de Chimie, Faculté des Sciences Exactes, Université Constantine 1, 25000 Constantine, Algérie.</i> <b>Extraction of Secondary Metabolites, Phytochemical Screening and Estimation of Total Phenolic content from <i>Centaurea</i> species (Asteraceae)</b>

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94	<b>Belhadj Mostefa, M<sup>1</sup>, Daroui Mokaddem, H<sup>1,2</sup>, Kabouche, A<sup>1</sup>, Kabouche Z.<sup>1</sup></b> <i>University of Constantine 1, Department of chemistry, Laboratory of therapeutic substances (LOST), 25000 Constantine, Algeria.</i> <b>Chemical Composition and Antibacterial Activity of the Essential Oil of <i>Cedrus atlantica</i> subsp. <i>Libanotica</i> (Pinaceae)</b>
95	<b>Dridi A<sup>1,2</sup>, Hadeif Y<sup>2,3</sup>, Kerkoub N<sup>4</sup>, Lakhehal S.<sup>2,3</sup> and Bouleguemeh A.<sup>2,3</sup></b> <i>Laboratory of Plant Biology and Environment. Faculty of Science. Department of Biology. University BADJI Mokhtar - Annaba. Bp 12, 23000 Annaba. <sup>2</sup>Laboratory of development and control of hospital pharmaceutical preparations, Dept. of pharmacy, faculty of medicine, University Badji Mokhtar, 23000 Annaba.</i> <b>Antioxydant Activity and Characterisation of Phenolic Compounds Extract from <i>Teucrium polium</i> Leaves of Two Regions, Ouenza and tlemcen (Eastern and Western) Algeria)</b>
96	<b>EL Ferchichi Ouarda H<sup>1</sup>, Ghnimi W<sup>1</sup>, Khouja Mohamed L.<sup>2</sup> and Dicko A.<sup>3</sup></b> <i>Carthage University, Faculty of Sciences of Bizerta, Jarzouna-7021, Bizerta, Tunisia.</i> <b>Larvicidal Activity and Phytochemical Composition of Extracts from Two <i>Euphorbiaceae</i> (<i>Ricinus communis</i> L. and <i>Jatropha curcas</i> L.)</b>
97	<b>Fahed Loyal<sup>1,2</sup>, El Beyrouthy Marc<sup>1</sup>, Ouaini Naim<sup>1</sup>, Eparvier Veronique<sup>2</sup>, Stien Didier<sup>2</sup></b> <i>Holy Spirit Univ. of Kaslik, B.P. 446 Jounieh, Lebanon. <sup>2</sup>CNRS, Institut de Chimie des Substances Naturelles, UPR 2301, Gif-sur-Yvette, France.</i> <b>Chemical and Antimicrobial Evaluation of Lamiaceae Used in the Traditional Medicine in Lebanon</b>
98	<b>Huang, Kunhui<sup>1</sup> Wang, Y.<sup>1</sup>, Li, F.<sup>1</sup>, Hong, L.<sup>1</sup> and Long, C.<sup>1,2</sup></b> <i>College of Life and Environmental Sciences, Minzu Univ. of China, Beijing. <sup>2</sup>Kunming Institute of Botany, Chinese Academy of Sciences, Kunming 650201, China.</i> <b>Advances of Medicinal Plants in <i>Canscora</i> (Gentianaceae)</b>
99	<b>Huang, Kunhui<sup>1</sup> Li, P.<sup>1</sup>, Wang, Y.<sup>1</sup>, Li, F.<sup>1</sup> and Long, C.<sup>1,2</sup></b> <i>College of Life and Environmental Sciences, Minzu University of China, Beijing 100081. <sup>2</sup>Kunming Institute of Botany, Chinese Academy of Sciences, Kunming 650201, China</i> <b>Chemical Constituents of <i>Canscora lucidissima</i>, an Ethnomedicinal Plant from Southwest China</b>
100	<b>kadiri Amina and IGHILHARIZ Zohra</b> <i>Biology Department, Nature and Life, Science Faculty, Oran1 Ahmed Ben Bella University, Algeria.</i> <b>Elicited Chickpea <i>Cicer arietinum</i> L. Callus Secondary Metabolites Production</b>
101	<b>Kesba Wided, Benguedouer Lamia, Rouibah Hassiba and Lahouel Mesbah</b> <i>Laboratory of Molecular Toxicology, Faculty of Sciences, University of Jijel, 18000 Jijel, Algeria. Department of Cellular and Molecular Biology, University of Jijel, 18000 Jijel, Algeria.</i> <b>Chemical Composition and Antioxidant Activity of the Essential Oil and Ethanolic Extract of Algerian <i>Myrtus communis</i> L. Leaves</b>
102	<b>Lakbar Chanez, and Hacini N.</b> <i>University el Tarf. El Tarf. Algeria.</i> <b>Extraction and Antibacterial Activity of the Extract Alkaloids of an Aromatic and Medicinal Plant, Lavender « <i>Lavandula Stoechas</i> » in the National Park of El Kala, Algeria</b>
103	<b>Lamamra Mebarka<sup>1</sup>, Laouer H.<sup>1</sup>, Adjaoud A.<sup>2</sup>, Sahli F.<sup>3</sup> and Akkal S.<sup>4</sup></b> <i>Laboratory Of Natural Resources Valorization, Department Of Biology, Ferhat Abbas University, Setif. <sup>1</sup>Chemical Composition and Antimicrobial Activity of <i>Daucus aristidis</i> Coss. Essential Oil in Pre-Flowering Stage from Algeria</i>
104	<b>Rahmouni Malika<sup>1</sup>, Laouer Hocine<sup>1</sup>, Sahli Farida<sup>1</sup> and Akkal salah<sup>2</sup></b> <i>University of Setif, Laboratory of Valorization and Natural Resources, Setif, Algeria. <sup>2</sup>University of Constantine, Department chemistry sciences, Constantine, Algeria.</i> <b>Chemical Composition and Biological Activity of <i>Ferula vesceritensis</i> Coss and Dr. Essential Oil</b>
105	<b>Maarfia Sara and Zellagui A.</b> <i>Laboratory of Biomolecules and Plant Breeding, Life Science and Nature Department, Faculty of Exact Science and Life Science and Nature, University of Larbi Ben M'hidi, Oum Elbouaghi, 04000 Algeria.</i> <b>Volatile Oils Composition of <i>Bellis sylvestris</i> L. Growing in Batna, Algeria</b>
106	<b>Makhloufi El-hani<sup>1</sup>, Akkal S.<sup>1</sup>, Medjroubi K.<sup>1</sup>, Derbré S.<sup>2</sup>, Elomri A.<sup>3</sup>, Seguin E.<sup>3</sup> and Laouer H.<sup>4</sup></b> <i>Laboratoire de PAPCB, Département de chimie, Faculté des Sciences exactes, Université Mentouri Constantine, Algérie.</i> <b>Phytochemical Study and ANTI-AGES Activities From Methanolic Extract of <i>Daucus aureus</i> Desf. (Apiaceae)</b>
107	<b>Mehani M<sup>1</sup> and Ladjel S<sup>2</sup></b> <i>Faculty of Natural Sciences and Life, University Ghardaia, Ghardaia 47000 (Algeria) and Univ Ouargla, Fac. of Applied Sciences, Dept.. Process Engineering, 30000 Ouargla.</i> <b>Drying Effect on the Water Content and the Essential Oil Content of <i>Eucalyptus Camendulensis</i> Plant</b>
108	<b>Meribai A.<sup>1,2</sup>, Tassoult, M.<sup>1</sup>, Bachene, A.<sup>1</sup>, Kahia, A.<sup>1</sup>, Moatassem, D.<sup>1</sup> and Bensoltane A.<sup>2</sup></b> <i>Département des sciences Agronomiques- Faculté SNV- Université de Bordj Bou Arreridj (34000)- Algérie. <sup>2</sup>Laboratoire de Microbiologie Alimentaire - Université Es'Senia- Oran (31000)-Algérie</i> <b>Phytochemical Screening of “<i>Methnane</i>” a Variété of Thymelaceae from Northwestern Algerian Arid Areas: Pharmaceutical Properties</b>
109	<b>Minohara, A.C.M<sup>1</sup>, Capellari Jr.L<sup>1</sup>, Gaspi, F.O.G<sup>2</sup>, Teramoto, J.R.S.<sup>3</sup> and Tanaka, E.E.<sup>1</sup></b> <i>Luiz de Queiroz” College of Agriculture – University of São Paulo, 11, Pádua Dias Av., Piracicaba, 13418-900.</i> <b>Analysis of Volatile Oil Content and Total Polyphenols in <i>Lippia alba</i></b>
110	<b>N.Hamlat<sup>1,2</sup> and A.Hassani<sup>1</sup></b> <i>Ecole préparatoire sciences et techniques BP 474 place des martyrs Alger, Algérie. Tel/fax : 213 21 97 99 54. <sup>2</sup>Laboratoire de Recherche sur les Produits Bioactifs et Valorisation de la Biomasse. Ecole Normale Supérieure BP 92 Kouba Alger, 16308 Algérie .</i> <b>Free Flavonoid Aglycones Isolated from Leaves of Three Species of <i>Pistacia</i></b>
111	<b>Negri, M.B<sup>1</sup>, Capellari Jr.L<sup>1</sup>, Gaspi, F.O.G<sup>2</sup>, Meletti, L.M.M<sup>3</sup>, and Dassan, M.A.A.<sup>1</sup></b> <i>Luiz de Queiroz” College of Agriculture – University of São Paulo, 11, Pádua Dias Avenue, Piracicaba, 13418-900, Brazil. <sup>2</sup>Hermenio Ometto University Center, 500, Dr. Maximiliano Baruto Avenue, J. Universitário, Araras, 13607-339, Brazil. <sup>3</sup>Agronomic Institute of Campinas, 1481, Barão de Itapura Avenue, Campinas, 13020-970, Brazil.</i> <b>Pharmacological Potential of <i>Passiflora cincinnata</i> Mast. (Passifloraceae)</b>

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112	<p><b>Parro, E.A.<sup>1</sup>, Cape3llari Jr. L.<sup>1</sup>, Gaspi, F.O.G.<sup>2</sup>, Negri, M.B.<sup>1</sup> and Santos, N.<sup>1</sup></b> <sup>1</sup>Luiz de Queiroz" College of Agriculture – University of São Paulo, 11, Pádua Dias Avenue, Piracicaba, 13418-900. <sup>2</sup>Herminio Ometto University Center, 500, Dr. Maximiliano Baruto Avenue, Jardim Universitário, Araras, 13607-339, Brazil.</p> <p><b>Analysis of Polyphenol and Volatile Oil Contents in <i>Xylopiaromatica</i> (Annonaceae)</b></p>
113	<p><b>Souad Djellali<sup>1</sup> and Rachid Sahraoui<sup>2,3</sup></b>, <sup>1</sup>Département des Sciences de la Matière, Faculté des Sciences et technologie, Université de Bordj Bouarréridj, 34000, Bordj Bouarréridj.</p> <p><b>Anatomical, Chemical Analysis, Thin Layer Chromatography and Uv-Vis Spectroscopic Study of <i>Marrubium Vulgare</i></b></p>
114	<p><b>S. Laggoune<sup>1,3</sup>, M. Öztürk<sup>2</sup>, Z. Kabouche<sup>3</sup></b> <sup>1</sup>University of Constantine 1, Département de Chimie, Laboratoire of Therapeutic Substances (LOST), 25000 Constantine, Algeria. <sup>2</sup>Faculty of Sciences, Department of Chemistry, Mugla Sıtkı Koçman University, 48121 Mugla, Turkey. <sup>3</sup>University of Jijel, Faculty of Natural Science and Life, Department of Applied Microbiology and Food Science, 18000 Jijel, Algeria.</p> <p><b>Composition and Antioxidant Activity of the Essential Oil of <i>Mentha Spicata</i> from Algeria</b></p>
115	<p><b>Sebaa, H.<sup>1</sup>, Kaid Harche, M.<sup>1</sup> and Chambat, G.<sup>2</sup></b> <sup>1</sup>Department of Biotechnology. Faculty of Science. Laboratory of productions, microbial and vegetal valorizations, University of Science and Technology Mohamed Boudiaf UST-Oran, Algeria. <sup>2</sup>CERMAV Research Centre on plant macromolecules, Grenoble. France</p> <p><b>Polysaccharide Compositions of Endocarp of Argan Fruits (<i>argania spinosa</i> L. Skeels) from Algeria</b></p>
116	<p><b>Selloum Mounir<sup>1</sup>, Belhattab Rachid<sup>2</sup> and Saci Samia<sup>1</sup></b> <sup>1</sup>Department of microbiology and Biochemistry, Science faculty University Mohamed Boudiaf Msila, 28000, ALGERIA. <sup>2</sup>Department of Biochemistry, University Ferhat Abbas Setif, 19000, Algeria.</p> <p><b>Polyphenols Contents and Antioxidant Proprieties of Ethyl Acetate Extract of <i>Ruta chalepensis</i> from Algeria</b></p>
117	<p><b>Shevtsova Tetiana<sup>1</sup>, Brindza Jan<sup>2</sup>, Garkava Kateryna<sup>1</sup></b> <sup>1</sup>National Aviation University, Institute of Ecological Safety, Kyiv, Ukraine. <sup>2</sup>Institute of Biodiversity Conservation and Biosafety, Faculty of Agrobiological and Food Resources, Slovak University of Agriculture in Nitra, Slovak Republic.</p> <p><b>How Useful is the Pollen of Anemophilous Plants?</b></p>
118	<p><b>L.V.Ocheredko, Nnemelu Franklin Chisom, T.M.Kryuchkova, O.P.Khvorost</b> National university of Pharmacy, Kharkov, Ukraine.</p> <p><b>Rosa Roots Numerical Values and Elemental Contents Determination</b></p>
119	<p><b>Waffa Bouali<sup>1,2</sup>, Samira B.<sup>3</sup>, faiza B.<sup>1</sup> and Meryem A.<sup>1</sup></b> <sup>1</sup>Laboratory of Applied Microbiology in Food, Biomedical and Environment (LAMAABE), Department of Biology, Faculty of Nature and Life, Earth and Universe Sciences. Aboubekr Belkaïd University of Tlemcen, 13000 Tlemcen. <sup>2</sup>University of Naâma, 45000 Naâma.</p> <p><b>Antioxidant Capacity for <i>Urtica Dioica</i> of Several Sites of Algeria and Selective Extraction of Secondary Metabolites</b></p>
120	<p><b>Yao R. and Weckerle C.S.</b> Institute of Systematic Botany, University of Zurich, Zollikerstrasse 107, 8008 Zurich, Switzerland.</p> <p><b>Fast Quality Evaluation of Goji Berry (<i>lycium barbarum</i> L., Solanaceae) from Different Areas of China by Hptlc and Sensory Properties Analysis</b></p>
121	<p><b>Zalis'ka Olha, and Maximovych Natalia, Revyatskyy Iwan, Barchuk Olha,</b> Lviv National Medical University named Danylo Halytsky, Lviv, Ukraine.</p> <p><b>Analysis of the Used Extemporaneous Dosage forms in Ukraine</b></p>
<b>Biodiversity and Ecological Aspects of Ethnobotanical Sources</b>	
122	<p><b>Afifa Younas, Zubaida Yousaf and Nadia Raiz Qamar</b> Molecular taxonomy Lab, Lahore College for Women University</p> <p><b>Taxonomic Authentication of Ethnopharmacology of Important Species of Family Euphorbiaceae on the Basis of Leaf Epidermal Characters</b></p>
123	<p><b>Azizi Nadjat, Amirouche Rachid and Amirouche Nabila</b> Université des Sciences et de la Technologie Houari Boumediène, Faculté des Sciences Biologiques, Laboratoire LBPO, BP n°32 El-Alia, Bab-Ezzouar, 16110. Algeria.</p> <p><b>Cytotaxonomic Diversity of Some Medicinal Species of Hyacinthaceae from Algeria</b></p>
124	<p><b>Basheer Abufarich<sup>1,2</sup>, Zeidan, M.<sup>2</sup>, and Murad Ghanim<sup>1</sup></b> <sup>1</sup>Department of Entomology, Volcani Center, Bet Dagan. <sup>2</sup>Al-Qasemi Research Center, Baqa Elgharbia 30100, Israel.</p> <p><b>Biological and Molecular Effects of Thymol on the Sweet Potato Whitefly <i>Bemisia tabaci</i></b></p>
125	<p><b>Carrillo-González, Rogelio, Martínez-Gómez, Miriam, González-Chávez, Carmen</b> Colegio de Postgraduados. Campus Montecillo. 36.5 km. Carretera México-Texcoco. México. 56230.</p> <p><b>Synthesis of Ag Nanoparticles from <i>Foeniculum Vulgare</i> and <i>Tecoma Stans</i> is Affected By Extraction Procedure and Chemical Composition</b></p>
126	<p><b>Kadri M.<sup>1</sup>, Yahia A.<sup>2</sup> and et Salhi N<sup>3</sup></b> <sup>1</sup>Université kasdi merbah . Ouargla. <sup>2</sup>Laboratoire des Sciences Naturelles et des Matériaux Centre universitaire de Mila.</p> <p><b>Ecological and Chemical Screening Studies of <i>Zizyphus Lotus</i> Roots in Djamaa Region</b></p>
127	<p><b>Souilah, Nabila<sup>1</sup>, Zekri J.<sup>2</sup>, Amrouni, R.<sup>2</sup>, Guerira A.<sup>3</sup> and Medjroubi, K.<sup>1</sup></b> <sup>1</sup>Laboratory of Phytochemistry and physico-chemical and biological analysis. University of Constantine</p> <p><b>Ethnobotanical Study of Aromatic Medicinal Plants in the El Kala National Park, North-Eastern of Algeria</b></p>
128	<p><b>Tsira Mikatadze-Pantsulaia</b> National Botanical Garden of Georgia, Tbilisi, Georgia.</p> <p><b>Self-Renewal Capacity of Several Species of the Genus Sternbergia Possessing Medicinal Properties</b></p>
129	<p><b>Zekri. J., Abdelaziz, W., Suilah, N., and D. Alatou</b> (Development Laboratory and exploiting resources Phytogénétiques- Faculty of Biology, University of Constantine 1).</p> <p><b>Evaluation of Metal and Mineral Contents in Soils Amended By Sewage Sludge in Cork Oak Seedlings</b></p>

<b>Traditional and Modern Herbal Medicinal Products in Treatment of Cancer</b>	
130	<p><sup>1,5</sup>Alafiatayo Akinola A., <sup>1</sup> Ahmad Syahida., Shahrudin Noor Azmi., <sup>4</sup> Song Lai Kok and <sup>1,2,3</sup>Mahmood Maziah  <sup>1</sup>Department of Biochemistry, <sup>2</sup> Institute of Bioscience, <sup>3</sup> Institute of Tropical Agriculture, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor, Malaysia.  <sup>4</sup>Agro-Biotechnology Institute, MARDI Headquarters, 43400 Serdang, Selangor. <sup>5</sup>Department of Sciences, Waziri Umaru Federal Polytechnic, Birnin Kebbi, Nigeria.</p> <p style="text-align: center;"><b>Proliferations of Normal Human Adult Fibroblast Cells (Atcc Pcs 201-012<sup>®</sup>) and In Vitro Enzymatic Inhibitions of Curcuma Xanthorrhiza and Curcuma Longa Rhizomes Extracts</b></p>
131	<p>Eftimová Jarmila, CSc., Ballová L., Kurhacek S. Department of pharmacognosy and botany, The University of veterinary medicine and pharmacy in Košice, Slovakia.</p> <p style="text-align: center;"><b>Antitumor Prospects for Utilization of Phellodendron amurense Rupr.</b></p>
132	<p>Lumlardkij, Natchagorn<sup>1,2</sup>, Boonrak, R<sup>2</sup>, Heinrich, M<sup>1</sup>. <sup>1</sup>Research Cluster Biodiversity and Medicines / Centre for Pharmacognosy and Phytotherapy, UCL School of Pharmacy, London, United Kingdom. <sup>2</sup>Centre of Applied Thai Traditional Medicine, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand.</p> <p style="text-align: center;"><b>Herbal Medicines for Treating Cancers Used by Local Healers in Thailand</b></p>
133	<p>Milind J. Umekar and Nandkishor R. Kotagale Smt. Kishoritai Bhojar College of Pharmacy, Behind Railway Station, Kamptee, Nagpur – 441 002, Maharashtra, India</p> <p style="text-align: center;"><b>Protective Effect of Citrus Limonum Against DMBA Induced Skin Papillomagenesis</b></p>
134	<p>Ferlazzo, N<sup>1</sup>, Cirmi, S<sup>1</sup>, Lombardo, Giovanni E<sup>1</sup>, Calapai, G.<sup>2</sup> and Navarra, Michele<sup>1,3</sup> Department of Drug Sciences and Products for Health and <sup>2</sup>Department of Clinical and Experimental Medicine, Section of Pharmacology, University of Messina, Messina, Italy</p> <p style="text-align: center;"><b>Mechanisms Underlying The Growth Inhibition of Hepg2 Cells by Citrus Bergamia Juice</b></p>
135	<p>Odeyemi, Samuel<sup>1,2</sup>, Koekemoer, Trevor<sup>3</sup>, van de Venter, Maryna<sup>3</sup>, Afolayan, Anthony<sup>2</sup> and Bradley, Graeme<sup>1</sup>  <sup>1</sup>Department of Biochemistry and Microbiology, University of Fort Hare, Alice, 5700, South Africa  <sup>2</sup>MPED Research Niche Area, Department of Botany, University of Fort Hare, Alice, 5700, South Africa.</p> <p style="text-align: center;"><b>Cytotoxicity of Two Medicinal Plants Using Chang Liver Cell Lines</b></p>
<b>Naturaceuticals and Dietary Supplements - Traditional to Modern</b>	
136	<p>Hosseinkhani Ayda<sup>1,2</sup>, Montaseri Hashem<sup>3,4</sup>, Sodaifi Manoucheh<sup>5</sup> <sup>1</sup>Research centre for traditional medicine and history of medicine. <sup>2</sup>Department of Phytopharmaceuticals (traditional pharmacy), school of pharmacy, Shiraz University of medical sciences, Shiraz, Iran.</p> <p style="text-align: center;"><b>Natural Materials in Beauty Chapter of Traditional Iranian Medicine and Pharmacy</b></p>
137	<p>Ivanova Viktoriia<sup>1</sup>, Dzhhan T.<sup>2</sup>, Klimenko S.<sup>2</sup> and Salamon I.<sup>4</sup> <sup>1</sup>National University of Food Technologies, Volodymyrska Str., 68, Kiev 01033, Ukraine,</p> <p style="text-align: center;"><b>Antioxidant Activity and Biological Effects of Japan Quince (Chaenomeles lindl.) Leaves Extracts</b></p>
138	<p>Kyslychenko Viktoriia S.<sup>1</sup>, Lenchuk L.V.<sup>1</sup>, Navruzova G.F.<sup>2</sup>, Sharifov K.Sh<sup>2</sup>, Zaychenko G.V.<sup>1</sup>  <sup>1</sup>National University of Pharmacy, Kharkov, Ukraine. <sup>2</sup>Tajik National University, Dushanbe, Tajikistan.</p> <p style="text-align: center;"><b>Study of Persica Vulgaris Leaves as Prospective Source of New Phytomedicines</b></p>
139	<p>Iaribi bochra<sup>1,2</sup>, Achourzeineb<sup>1</sup>, Koukikarima<sup>1</sup>, M'hamdi Mahmoud<sup>1,2</sup>, Jamoussibassem<sup>3</sup> and Bettaieb Taoufik<sup>1</sup>  <sup>1</sup>National Agronomic Institute of Tunisia.43, Av.Charles Nicolle-1082.</p> <p style="text-align: center;"><b>Nutritional Value of Stevia rebaudiana (Bert.): A natural Low-Calorie Sweetener Plant</b></p>
140	<p>Mohammed Aminu and Islam Md. Shahidul Department of Biochemistry, School of Life Sciences, University of KwaZulu-Natal, (Westville Campus), Durban, 4000, South Africa.</p> <p style="text-align: center;"><b>Effect of Aframomum Melegueta Ethyl Acetate Fraction from Fruit in Type 2 Diabetes Model of Rats</b></p>
141	<p>Nandkishor R. Kotagale and Milind J. Umekar Smt. Kishoritai Bhojar College of Pharmacy, Behind Railway Station, New Kamptee, Nagpur-441 002, Maharashtra, India</p> <p style="text-align: center;"><b>Carica Papaya Alleviates the Associated Symptoms of Dengue Fever</b></p>
142	<p>Qiao-Yan Zhang, Mei Li, Ting Han, Yi-Ping Jiang, Lu-Ping Qin School of Pharmacy, Second Military Medical University, 325 Guohe Road, Shanghai 200433, China.</p> <p style="text-align: center;"><b>Icariin, Timosaponin B II and Ferulic Acid Synergistically Modulate Osteogenesis on Umr-106 Osteoblastic Cells and Osteoblast in Neonatal Rat Calvaria Cultures Through Bmp and Wnt/B-Catenin Signaling Pathway</b></p>
143	<p>Gaspi, F.O.G.<sup>1,3</sup>, Tanaka, E.E.<sup>2</sup>, Capellari Jr.L.<sup>2</sup>, Monteiro, K.M.<sup>3</sup> and Carvalho, J.E.<sup>3,1</sup> <sup>1</sup>University Center Herminio Ometto of Araras, 500 Dr. Maximiliano Baruto Avenue, J. Universitário, Araras, 13607-339. <sup>2</sup>Luiz de Queiroz College of Agriculture - University of São Paulo, 11 Pádua Dias Avenue, Piracicaba, 13418-900.</p> <p style="text-align: center;"><b>Ethnopharmacological Study of Antiulcerogenic Activity of Sedum dendroideu</b></p>
144	<p>Tatarintseva R. Y.<sup>1</sup>, Pisarevskiy I. E., Omelchuk N. N.<sup>1</sup>, Lebedeva E. Y.<sup>1</sup>, Apriamashvili G. G.<sup>1</sup> and Kadoshnikova M. Y.<sup>1</sup> <sup>1</sup>Department of Clinical Physiology and Non-medicamental Methods of Therapy of Faculty Of Advanced Training Of Medical Workers, Medical Institute, Peoples Friendship University of Russia, Moscow, Russia.</p> <p style="text-align: center;"><b>Possibility of Keeping Health of the Population of Russia with Application of the Traditional Chinese Medicine</b></p>
145	<p>Santos, Simone M.<sup>1</sup>, Mendes, Raudiney F.V.<sup>2</sup>, Muniz, R.P.<sup>2</sup>, Silva, Maria E.T.M.<sup>2</sup>, Domingos, R.F.<sup>2</sup>, Albuquerque, Julianna F.C.<sup>2</sup> and Ximenes, Rafael Matos<sup>1,2,1</sup> <sup>1</sup>Post Graduate Program in Pharmaceutical Sciences, Federal University of Pernambuco, 50740-520, Recife.</p> <p style="text-align: center;"><b>Ethnobotanical Survey and Topical Anti-Inflammatory Activity of Croton adamantinus</b></p>



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146	<b>Amrouni, Rym, Belmahi Habib, and Souilah, Nabila</b> Dept. of Pharmacy, Fac. of Medicine Constantine, Algeria . <b>Traditional medicine in Algeria: benefits and safety Case of <i>Ecballium elaterium</i></b>
147	<b>Abdalsalam Kmail<sup>1,2</sup>, Badiia Lyoussi<sup>1</sup>, Hilal Zaid<sup>2</sup> and Bashar Saad<sup>2</sup></b> Physiology-Pharmacology, University of Fez, P.O.Box 1796 Fez Atlas, Fez, Morocco. <sup>2</sup> Qasemi Research Center- Al-Qasemi Academic College and Faculty of Arts and Sciences, Arab American University Jenin, P.O.Box 240, Jenin, Palestine. <b>Cytotoxic and Cytostatic Activity of <i>Asparagus aphyllus</i>, <i>Crataegus aronia</i> and <i>Ephedra alata</i> in Hepatocytes and Thp-1-Derived Macrophages in Mono- and Co-Cultures In Vitro</b>
148	<b>Mahmoudi K.<sup>1</sup>, Belhi Zineb<sup>2</sup>, Boulenuar, N.<sup>3</sup>, Cheriti A.<sup>4</sup> and Et Maarouf A.<sup>5</sup></b> <sup>1</sup> Department of Biology, Faculty of Science, University of Medea, 26000 Medea. <sup>2</sup> Department of Biology, Faculty of Natural Sciences and Life, University of Bechar 08000, Bechar. <b>Ethnopharmacological Study of Some Saharan Plants in the Region of the South West of Algeria</b>
149	<b>Benabdallah Hassiba and Mokhtari Hakima</b> Department of Microbiology and Biochemistry, Faculty of Sciences, University Mohamed Boudiaf of M'sila. Algeria. <b>Ethnopharmacological Study and Evaluation of the Antioxidant Activity of <i>Artemisia herba alba</i> Asso.</b>
150	<b>Benkhaled Abderrahim<sup>1,2</sup>, Bennia H.<sup>1</sup> and Senator Abderrahmane<sup>2,1</sup></b> Microbiology and Biochemistry Department, Faculty of Sciences, Mohamed Boudiaf University, M'sila 2800. <sup>2</sup> Laboratory of Applied Biochemistry, Faculty of Natural and Life Sciences, University of Setif 1, Setif 19000, Algeria. <b>Traditional Medicinal Uses of <i>Urtica Dioica</i> in the Hodna Region of the South East of Algeria</b>
151	<b>Khadra Maiza<sup>1,2</sup> and Fadila Benabdesselam Maiza<sup>1,1</sup></b> Laboratory of Biotechnology end Ethno Botany –Faculty of Nature and Life Sciences – University of Bejaia- 06000. <sup>2</sup> Department of Pharmacy- Faculty of Medicine – University of Algiers – 16000- Algiers –Algeria. <b>Biological Activities of Plants Collected in the Algerian Sahara</b>
152	<b>Hammadi K;W.B.Kouadri and I.A.Boukhalfa</b> Laboratory of Pharmacognosy Api Phytotherapy;Department of Biology University of Mostaganem;Algeria. <b>Ethno-Botanical Investigation of Medicinal Plants Used in the Western Region of Algeria</b>
153	<b>Hendel Noui<sup>1</sup> LAROUS Larb<sup>2</sup> and SARI Madani.<sup>3</sup></b> <sup>1</sup> University M'sila, Faculty of Sciences, Department of Microbiology and Biochemistry, M'sila 28000. <sup>2</sup> University Ferhat Abbas, Faculty of Nature and Life Sciences, Department of Microbiology, 19000 Setif. <sup>3</sup> University M'sila, Faculty of Sciences, Department of Nature and Life Sciences, M'sila 28000, Algeria. <b>Traditional Use and Antimicrobial Effect of <i>Thymus ciliatus</i> (desf) Benth. Growing Wild in Bou saâda (Algeria)</b>
154	<b>Lyès Bradai<sup>1</sup>, Haroun Chenchoune<sup>2</sup>, Souad Neffar<sup>2</sup>, Khaled Amrani<sup>3</sup>, Samia Bissati<sup>1</sup>.</b> <sup>1</sup> Univ Ouargla, Fac. des Sciences de la Nature et de la Vie, Lab. Bio-ressources Sahariennes: Préservation et Valorisation, Ouargla 30000. <b>Desert Truffles of The Algerian Sahara Desert: Their Economic Importance and Their Valorization in Traditional Pharmacopoeia</b>
155	<b>Mahmoudi Kheira<sup>1,2</sup>, Belhi Z.<sup>1</sup>, Boulanuor N.<sup>1</sup> and Cheriti A.<sup>1</sup></b> <sup>1</sup> Department of geniuses processes and environment section of Biology, University Dr. Yahia Fares Medea Medea 026000. <sup>2</sup> Department of Biology, Faculty of Natural Sciences and Life, University of Bechar 08000, Bechar, Algeria. <b>Ethnopharmacological Study of Some Saharan Plants in the Region of the South West of Algeria</b>
156	<b>Msou Soufiane<sup>1,3</sup>, Didier G.<sup>2</sup>, Romane A.<sup>3</sup> and Alifriqui M.<sup>1</sup></b> Laboratory of ecology and environment, faculty of sciences, Cadi Ayyad University Marrakech, Morocco. <sup>2</sup> IRD, Laboratoire Population, Environnement, Développement, UMR151 AMU-IRD, Marseille, France, and Laboratoire Mixte International MEDITER. <sup>3</sup> Laboratory of organic chemistry, faculty of sciences, Cadi Ayyad University Marrakech, Morocco. <b>Ethnopharmacological, Ethnobotanical Studies and Traditional Uses of <i>Fraxinus Dimorpha</i> at the High Atlas of Morocco</b>
157	<b>Naima Fatehi<sup>1</sup>, Houcine Benmehdi<sup>2,3</sup> and Hocine Allali<sup>3</sup></b> <sup>1</sup> Chemistry department, Abou Bakr Belkaid University, Tlemcen <b>Ethnobotanical Survey of Medicinal Plants from Bechar region, Southwest Algeria</b>
158	<b>Rhimi Awatef<sup>1</sup>, Imen Zaouali<sup>1</sup>, Hjaoujia Sonia<sup>1</sup> and Kchouk M,E<sup>2,1</sup></b> Laboratory of Plant Biotechnology, National Gene Bank of Tunisia (NGBT). Boulevard du leader Yasser Arafat, ZI Charguia 1, 1080 Tunis Cedex, Tunisia. <b>Ethnobotanical Study of Medicinal Plants Used at Three Tunisian Governorates (Tunis, Manouba Et Ben Arous)</b>
159	<b>Zoukh Meriem and Elkoli Meriem</b> Laboratory preparation, modification and application of polymeric materials multiphase L.M.P.M.P, Faculty of Technology, Ferhat Abbas University, Setif 2, 19000, Algeria. <b>Study on the Composition of Algerian Argan Oil</b>

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160	<b>Ahmed A. AL- Douri and Ahmed A. Dawood</b> <i>College of Agriculture , Tikrit University, Iraq.</i> <b>Effect of Aqueous Extract of Cumin Seeds on the Production and Physiological Performance and Some Blood Parameters of Broiler, Ross 308</b>
161	<b>Dhia K. Ibrahim<sup>1</sup>, Firas M.A.<sup>2</sup> and Khawla A.S.<sup>1</sup></b> <i>Dept. of Animal Resources, College of Agriculture University of Baghdad. <sup>2</sup>Poultry Research Station, office of Agriculture Research, Ministry of Agriculture, Iraq.</i> <b>Effect of Aqueous Extracts of bugloss (<i>Borago officinalis</i>) and Sweet Clover (<i>Melilotus officinalis</i>) Supplementation in the Drinking Water on Broiler physiological and productive parameters</b>
162	<b>Niculae Mihaela<sup>1</sup>, Spinu Marina<sup>1</sup>, Sandru C. Dana<sup>1</sup>, NiculaeE. Catalina<sup>1</sup>, Mates C. Ioan<sup>1</sup>, Junkee Laeish<sup>1</sup>, Doczi I. Krisztina<sup>1</sup>, Stan Laura<sup>2</sup></b> <i>Clinical Department, Discipline of Infectious Diseases, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Manastur street no 3-5, 400372.</i> <b><i>Thymus vulgaris</i> and Propolis In Vitro Synergistic Effect Against Bovine <i>E. coli</i> Strains</b>
163	<b>Wen-Chin Yang<sup>1,2</sup> and Cicero L.T. Chang<sup>2</sup></b> <i>Agricultural Biotechnology Research Center, Academia Sinica. <sup>2</sup>Department of Veterinary Medicine, College of Veterinary Medicine, National Chung Hsing University, Taiwan.</i> <b>Use of <i>Bidens Pilosa</i> as a Novel Veterinary Remedy for Coccidiosis in Chickens</b>
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164	<b>Dal Cero M.<sup>1</sup>, SallerR.<sup>2</sup>, WeckerleC.S.<sup>1</sup></b> <i>Institute of Systematic Botany, University of Zurich, Zollikerstrasse 107, 8008 Zurich, Switzerland. <sup>2</sup>Department of Natural Medicine, University Hospital Zurich, Sonneggstrasse 6, 8006 Zurich, Switzerland.</i> <b>How Did Medicinal Plant Use Change? Adiachronic Study over Two Millennia in Switzerland</b>
165	<b>Nadia Riaz Qamar, Zubaida Y., Afifa Y. and Rabia Hanif,</b> <i>Pakistan</i> <b>Ethno Botanical Assessment of District Lahore, Pakistan</b>
166	<b>Zhang, Shuang<sup>1</sup>Xin, T.<sup>1</sup>, Liu, Z.<sup>1</sup>, Zhou, Y.<sup>1</sup>, Ni, Y.<sup>1</sup>, Zhang, X.<sup>1</sup>, Ma, L.<sup>1</sup> Chen, Z<sup>1</sup>., Hong, L.<sup>1</sup>, Li, F.<sup>1</sup>, Liu, B.<sup>1</sup>and Long, C.<sup>1,2,1</sup></b> <i>College of Life and Environmental Sciences, Minzu University of China. Beijing 100081. <sup>2</sup>Kunming Institute of Botany, Chinese Academy of Sciences. Kunming 650201, China.</i> <b>Ethnobotanical Investigation of <i>Acorus</i> in China</b>
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167	<b>GhulamYaseen, MushtaqAhmad, MuhammadZafar and ShaziaSultana</b> <i>Department of Plant Sciences, Quaid-i-Azam University Islamabad-45320, Pakistan.</i> <b>The Medicinal Flora Used in the Treatment of Gastrointestinal Disorders: An Ethnobotanical Survey from Larr Sindh-Pakistan</b>