

TJASSST'10 General Program Schedule

November 11th 2009

15:00 - 17:00	Registration
17:00	Opening Ceremony
17:00 - 17:05	Prof. J. Ben Brahim, <i>President of the Univ. 7th Nov. Carthage</i>
17:05 - 17:10	Mr. T. Tokunaga, <i>General Director of Higher Education- Bureau of the MEXT- Japan</i>
17:10 - 17:15	Prof. N. Yamada, <i>President of the University of Tsukuba</i>
17:15 - 17:20	Prof. T. Yakushiji, <i>Program Director of SATREPS</i>
17:20 - 17:25	His Excellency the Ambassador of Japan.
17:25 - 17:40	His Excellency the Minister of Higher Education, Scientific Research and Technology
17:40 - 18:10	Plenary lecture
	Prof. N. Yamada: New aspect of energy metabolism in diabetes mellitus
18:10 - 18:25	Discussion
18:25	Ceremony for R&D exchange
18:25 - 18:30	Prof. M. Kerkeni, <i>General Director, MESRST</i>
18:30 - 18:35	Prof. M. Nakajima, <i>Director of ARENA</i>
18:35 - 18:40	Prof. H. Isoda, <i>Univ. Tsukuba</i>
18:40 - 18:50	Conventions' Signature Ceremony
18:50 - 19:00	"Global 30" and CANMRE as one of eight representative oversea offices of Japanese universities
20:00	Dinner Ceremony

November 12th 2009

09:00 - 13:00	Oral Sessions
13:00 - 14:30	Lunch
14:30 - 18:30	Oral Sessions
18:30 - 20:00	Poster sessions

November 13th 2009

09:00 - 13:00	Oral sessions
13:00 - 14:30	Lunch
14:30 - 15:00	Best Poster Awards Ceremony for young researchers
15:00 - 17:00	<ul style="list-style-type: none">▪ Evaluation of TJASSST 10 by scientific coordinators▪ Recommendations for TJASSST 11▪ How to promote bilateral cooperation in Science and Technology between Japan and Tunisia?

Session I: Agriculture, Food Sciences and Biotechnology

November 12th 2009

(Room: Kairouan)

Sub-Session 1: Plant Adaptation to Biotic and Abiotic Stresses

9:00 - 10:40 / Chairmen: T. Fujimura and R. Ellouz

-Mbarek Ben Naceur	-Differential display of barley genes under salt stress conditions
-Chedly Abdelly	-Strategies of salt tolerance and economical interests of halophytes
-Bécher Ben Rouina	-Drought-induced responses of photosynthesis, water status and antioxidative enzyme activities in olive tree (<i>Olea europaea</i> L., cv. Chemlali Sfax)
-Hatem Ben Jouira	-Proteomic study of early responses to salinity and drought in grapevine
-Zouhair Barhoumi	-Contribution of NaCl excretion to salt resistance of <i>Aeluropus littoralis</i> (Willd) Parl

10:40- 11:00 - Coffee break

Sub-Session 2: Cultivation and Breeding

11:00 - 13:00 / Chairmen: T. Fujimura and R. Ellouz

-Hitoshi Nakagawa	-Induced mutations in plant breeding with gamma-rays and biological researches in Japan
-Issay Narumi	-Efficient DNA repair in <i>Deinococcus radiodurans</i>
-Mohieddine Ksantini	-Integrated pest management of olive tree in Tunisia
-Fayçal Brini	-Over-expression of gene encoding dehydrin proteins (DHN-5) as a strategy to improve salt- and drought tolerance in wheat
-Mohamed Kharrat	-Progress in Breeding Food Legume Crops in Tunisia

13:00 – 14:30 – Lunch

Sub-Session 2 (Continuation): Cultivation and Breeding

14:30 - 16:30 / Chairmen : H. Miyazaki and M. Neffati

-Yasunari Ogihara	-Genome-wide analysis of salt-responsive genes in common wheat
-Ali Rhouma	-Use of molecular tools for the study of the epidemiology of olive knot and crown gall diseases
-Mohamed Neffati	-Biodiversity in Southern Tunisia: an inexhaustible reservoir of multipurpose natural products
-Djamila Chabane	-Contribution of the biotechnologies in the improvement and the valuation of some botanical species agronomic, medicinal in Algerian's arid areas and the preservation of the biodiversity

16:30 - 16:50 - Coffee break

Sub-Session 2 (Continuation): Cultivation and Breeding

16:50 - 18:30 / Chairmen: H. Miyazaki and M. Neffati

-Bacem Mnasri	-Strain selection and field inoculation of grain legumes in Tunisia
-Khabou Wahid	-Genetic resources and valorisation of olive tree
-Olfa Kilani-Féki	-A new endophytic <i>Burkholderia cepacia</i> strain Cs5 harbouring important activities against phytopathogenic fungi and in vivo protection of vine
-Moufida Saïdani	-Valorization of three grape varieties

18:30 - 20:00 - Posters (Tent)

November 12th 2009

(Room: Amilcar)

Sub-Session 3: Biomimetics / Nanotechnology

9:00 - 10:40 / Chairmen: M. Nagao and H. Ayadi

-Msasatsugu Shimomura	-Engineering Neo-Biomimetics: A novel biomimetic hydrophobic surfaces based on metal-polymer hybrid materials prepared by self-organization
-Marcos Neves	-Formulation and assessment of oxidative stability of oil-in-water nanoemulsions
-Inès El Mannoubi	-Encapsulation by emulsion-diffusion process of flavonoids extracted from prickly pear cactus (<i>Opuntia Ficus Indica</i>)
-Khaoula Khwaldia	-Barrier and mechanical properties of paper-sodium caseinate and paper-sodium caseinate-paraffin wax films

10:40 - 11:00 - Coffee break

Sub-Session 4: Human Health

11:00 - 13:00 / Chairmen: M. Nagao and H. Ayadi

-Yukiko Wagatsuma	-Relationship between the anomalies of local and global meteorological elements and diarrhea diseases in Bangladesh
-Raja Gargouri	-Expression of hepatitis B vaccine in yeast
-Kazumi Yagasaki	-Food components that regulate lifestyle-related diseases
-Hanène Ben Hassen	-Bioinformatics tools for breast cancer prognosis
-Mohamed Bouaziz	-Lipid-lowering and antioxidant effects of phenolic compounds recovered from olive tree leaves in cholesterol fed rats

13:00 - 14:30 - Lunch

Sub-Session 5: Bioactive Compound Mechanisms

14:30 - 16:30 / Chairmen: H. Isoda and S. Sayadi

-Parida Yamada	-Inhibitory effect of fulvic acid extracted from Canadian sphagnum peat on cytokine production by KU812 cells through MAPKs signal pathway
-Bouslama Lamjed	-Antiviral activity of Cactus isolated in Tunisia
-Kazuichi Sakamoto	-Physiological effects of polyphenols on lipid accumulation and differentiation of adipocyte
-Hiromi Hagiwara	-Effects and action mechanism of polyphenol on proliferation of Human cancer cells
-Riadh Ksouri	-Extremophile plants as source of bioactive substances
-Junkyu Han	-Gene expression profile of B16 melanoma cells with decreased melanogenesis caused by a compound isolated from <i>Thymelaea hirsuta</i>

16:30 - 16:50 - Coffee break

Sub-Session 5 (Continuation): Bioactive Compound Mechanisms

16:50 - 18:30 / Chairmen: H. Isoda and S. Sayadi

-Hitoshi Miyazaki	-The olive compound hydroxytyrosol protects oxidative stress-induced damage of vascular endothelial cells: Upregulation of HO-1 expression through the activation of PI3-kinase/AKT and ERK pathways coupled with Nrf2 translocation
-Abdelhafidh Dhouib	-Potential use of biophenols-rich extract from olive by-products as natural disinfectant, food preservative and botanical pesticide
-Rebai Ben Ammar	-Phytometabolites from (Tunisian) <i>Rhamnus alaternus</i> extracts with potential biological activities
-Naziha Kamoun	-Sensory and chemical profiles of virgin mono-varietal Tunisian olive oils: Characterization and valorisation

18:30 - 20:00 - Posters (Tent)

November 13th 2009

(Room: Kairouan)

**Sub-Session 6: Environment and Biotechnology
9:00 - 10:40 / Chairmen: T. Morio and M. Jebara**

-Toru Nakamura	-Can goats tell plant species?
-Sami Sayadi	-Technologies for valorization of olive bio-wastes: a review
-Walid Medhioub	-Detoxification enhancement in the gymnodimine-contaminated grooved carpet Shell, <i>Ruditapes decussatus</i> (Linné).
-Othman Jarboui	-The use of the artificial reefs as a tool to protect and to manage fish stocks and marine ecosystems

10:40 - 11:00 - Coffee break

**Sub-Session 6 (Continuation): Environment and Biotechnology
11:00 - 13:00 / Chairmen: T. Morio and M. Jebara**

-Haithem Sghaier	-Isolation of bacteria to bioremediate non radioactive and radioactive wastes
-Mouna Jraou	-Membrane bioreactor (MBR) for urban wastewater treatment
-Leila Ktari	-Antifouling activity of Tunisian seaweeds from Dictyotacean family
-Monia El Bour	-Bio monitoring in Tunisian aquatic ecosystems: network results and status of art

(Room: Amilcar)

**Sub-Session 7: Microorganisms and their Environment
9:00 - 10:40 / Chairmen: Y. Ogihara and C. Abdelly**

-Takeshi Naganuma	-Latitudinal and longitudinal migration of airborne microorganisms
-Samir Bejar	-Original L-arabinose isomerase and Glucose isomerase involved in low caloric sugar production: Screen, characterization, cloning, study of structure function relationship and application
-Slim Tounsi	-Bioinsecticides of <i>Bacillus thuringiensis</i> : from gene cloning to the production and application in the field
-Bassem Jaouadi	-Structure-function relationships of the SAPB from <i>Bacillus pumilis</i> CBS with excellent laundry detergent compatibility and highly dehairing ability

10:40 - 11:00 - Coffee break

**Sub-Session 7 (Continuation): Microorganisms and their Environment
11:00 - 13:00 / Chairmen: Y. Ogihara and C. Abdelly**

-Toru Matsui	-Characterization of microorganisms originated from Okinawa
-Ali Gargouri	-The P53 induces apoptosis in yeast
-Haithem Mhadhbi	-Biochemical and molecular levels of antioxidant enzyme activities in response to salinity and drought within legumes and symbiotic nitrogen fixing nodules
-Hichem Chouayekh	- <i>In vitro</i> evaluation of the probiotic properties of <i>Lactobacillus plantarum</i> CTM 50371 isolated from cow milk in comparison with a certified probiotic used as feed additive in monogastric diets
-Hanène Chérif	-Soil Microbial community analysis by molecular approaches

13:00 - 14:30 - Lunch

Session II: Energy and Environment

November 12th 2009

[Room: Sidi Bousaid]

Sub-Session 1: Energy and Materials

9:00 - 10:40 / Chairmen: H. Suganuma and N. Ghrab-Morcos

-Nadia Mrad	-Valorization of animal fat as biofuel for diesel engines
-Hassib Bouallegui	-Anaerobic codigestion of solid wastes: a sustainable process for energy production from biomass
-Hiroshi Nabetani	-Economical efficiency of a non-catalytic alcoholysis process for production of biodiesel fuel
-Salah Jellali	-Nitrogen and phosphorus removal and recovery by a non conventional biosorbent

10:40 - 11:00 - Coffee break

Sub-Session 2: Energy and Environment

11:00 - 13:00 / Chairmen: N. Takahashi and N. Ghrab-Morcos

-Ali Adili	-Determination of thermal characteristics using genetic algorithm
-Essia Znouda	-Multi objective optimization of Mediterranean buildings using genetic algorithms
-Taichi Maki	-The effect of non-irrigated planting on micrometeorological modification at sandy land in Lingwu, Ningxia, China
-Jamel Belhadj	-Design and energy management of multi-sources systems based on renewable energy : Electricity production water pumping and/or desalination
-Hajime Utsugi	-Importance of leaf angle distribution in estimating forest carbon sequestration
-Inès Kanoun	-Hazardous wastes management through the Fuzzy Goal Programming

13:00 - 14:30 - Lunch

Sub-Session 3: Energy and Materials

14:30 - 16:30 / Chairmen: M. Tafu and A. Jemni

-Imen Bekri	-Electrical properties of polyaniline / Cu - Montmorillonite nanocomposites prepared by solid - solid reaction
-Samia Kaddour Charfi	-Conductivity and quasi-particle behavior in normal state of k - ET ₂ X compounds
-Hanan Akrouf	-Electro-oxidation of different azo dyes at boron doped diamond electrode : kinetics and efficiency
-Takeshi Toshima	-Self-organization of the non-trivial shaped crystals
-Mariem Lazaar	-Opportunity of use of polypropylene capillary heat exchanger for thermal tunnel greenhouse heating
- H. Ourefelli	-Two phases flow and mass transfer in capillaries network

16:30 - 16:50 - Coffee break

Sub-Session 4: Energy and Materials

16:50 - 18:30: Chairmen: H. Nabetani and A. Jemni

-Mounir Ferhi	-Hydrothermal synthesis and photoluminescence of LaPO ₄ : Eu(5%) monophosphate
-I. Hammas	-Conduction properties of condensed lanthanum phosphates: La(PO ₃) ₃ and LaP ₅ O ₁₄
-Mitsutoshi Nakajima	-Monosized nonspherical microdroplets production using microchannel array devices
-Nidhal Ben Kheder	-Three-dimensional simulation of latent heat storage in phase change porous medium
-Houda Eloukabi	-Drying experiments with porous media model : acceleration of drying induced by efflorescence

18:30 - 20:00 - Posters (Tent)

November 12th 2009

(Room: La Marsa)

Sub-Session 5: Environment and Water

9:00 - 10:40 / Chairmen: Y. Abe and M. Bedir

-Béatrice Marticorena	-Surface and aerodynamic roughness in arid and semi-arid areas and their relation to radar backscatter coefficient
-Hideki Suganuma	-Afforestation potential evaluation using satellite imagery
-Habib Zetrini	-Remote sensing and GIS for characterization and digital mapping of recharge sites of Triassic sandstone groundwater-SE of Tunisia
-Houcem Mzali	-Geometric characterization of deep aquifer series in Northeastern Tunisia

10:40 - 11:00 - Coffee break

Sub-Session 6: Environment and Water

11:00 -13:00 / Chairmen: H. Utsugi and M. Bedir

-Ammar Mlayah	-Heavy metals concentration and mobility in soil around two mines area of Dome zone (NW Tunisia)
-Kiyokazu Kawada	-The characteristics of secondary succession at abandoned farmland in the Republic of Kazakhstan
-Adel Mnif	-Interaction between a strongly acid industrial effluent, containing several heavy metals and natural medium
-Yuji Sakai	-Desertification Soil Reclamation by Desulfurization By-products in China
-Mohamed Tlili	-Scaling prevention of the drinking waters distribution equipments; case of the circuit of Siliana
- Abdelkrim Charef	-Relationship anthropic activities-soil pollution : Impact of water quality used for irrigation on heavy metals level and Characteristics of soil in Mornag irrigated perimeter (SW Tunis)

13:00- 14:30 - Lunch

Sub-Session 7: Energy and Environment

14:30 - 16:30 / Chairmen: F. Watanabe and A. Boujelben

-M.Ali Masmoudi	-Modeling of char gasification in downdraft gasifier
-Myriam Ben Saïd	-Control of virulence factors of UV-post irradiated strains of Pseudomonas aeruginosa
-Malika Trabelsi-Ayadi	-An example of applied chemistry research in a developing country chemical sorption of heavy metals as Cr (III), Cd (II) on local clay. Effect on zeta
-Toshinori Kimura	-Present Status of "Biomass Mark" Registration System and Novel Determination Method of the Biomass Contents in Biomass Commodities
-Ferid Rehim	-Estimation of pollutant emissions in urban area
-Karim Bouchlaghem	-Air quality under sea breeze conditions at the Tunisian coasts

16:30- 16:50 - Coffee break

Sub-Session 8: Environment and Water

16:50 - 18:30 / Chairmen: N. Shimizu and A. Boujelben

-Hamdi Helmi	-Ecotoxicological assessment of PAH-spiked soils amended or not with wastewater sewage sludge
-Fadhila Ayari	-Elimination of toxic molecule reactive blue 2 from textile water by clay mineral
-Fumio Watanabe	-Estimating suitable irrigation timing for afforestation in arid areas using changes in stem diameter and spectral reflectance of leaf
-Mohamed Djebbi	-Modeling of the morphodynamic and flood risk mapping
-Hayet Chihi	-Integrating geophysical and geostatistical methods in architectural reservoir modeling

18:30 - 20:00 - Posters (Tent)

November 13th 2009

[Room: Sidi Bousaid]

Sub-Session 9: Energy and Environment

9:00 - 10:40 / Chairmen : Y. Sakai and S. Ben Jabrallah

-Leila Dehmani	-An experimental study of Trombe wall in Tunisia
-M.S. Guellouze	-Low temperature surface geothermal energy for cooling and heating applications in Tunisia
-Mohamed Habib	-Performance study of solar air heater for use in Tunisian buildings
-Nobuhide Takahashi	-Arid land afforestation as a countermeasure against global warming
-Khaled Sioud	-Sustainable development for hot spots: the case of Kerkena

10:40 - 11:00 - Coffee break

Sub-Session 10: Energy and Materials

11:00 - 13:00 / Chairmen: M. Nakajima and S. Ben Jabrallah

-Atsushi Manaka	-Simple preprocessing method for on-site fluoride analysis in gypsum
-Nadhem Bouslama	-Characterization of Tricalcium phosphate - fluorapatite ceramics composites by ultrasonic testing
-Masamoto Tafu	-Recycle of waste gypsum to functional material for recycle of construction sludge
-Sami Ben Moussa	-Struvite precipitation in a carbonic and calco-carbonic system
-Sofien Mellouli	-Numerical study of metal hydrogen reactor with metal foam
-Med Sahbi Dhouaieb	-Synchronization of PIV and electrochemical measurements of transfers: Application to a wall bounded wake flow downstream of a cylinder

13:00 - Lunch

[Room : la Marsa]

Sub-Session 11: Energy and Environment

9:00 - 10: 40 / Chairmen : M. Ozaki and S. Sayadi

-Raja Ben Ammar	-Combination of chemical coagulation and membrane technology treatment to reuse dyeing industrial waste
-Koichi Hirota	-Application of ionizing radiation to environmental conservation
-Meriem Adala	-Numerical simulation of non isothermal vapor transport during soil desalination
-Imen Hmouda	-Numerical and experimental analysis of the natural convection cooling of a water storage tank with an internal gas flue
-Slah Ben Mabrouk	-Numerical modeling of heat and mass transfer phenomena in heated cavities

10:40 - 11:00 - Coffee break

Sub-Session 12: Energy and Environment

11:00 - 13:00 / Chairmen : T. Kimura and S. Sayadi

-Hafedh Kochkar	-Developing nanomaterials for applications in catalytic processes of industrial interest and green chemistry
-Noureddine Hamdi	-Preparation and characterization of microfiltration membranes from Tunisian clay
-Naoto Shimizu	-Micro and nano scaled cereal processing by three types of mill
-Aymen Belloumi	-Study of a solar desalination unit using humidification and condensation process
-M.Mehdi Oueslati	-Wood dryer by solar energy
-Mohieddine Ben Salah	-Numerical resolution of collimated radiation problem using control volume finite element method

13:00 - Lunch

Session III: Information and Communication Technologies and Mathematics

November 12th 2009

(Room: Bacchus)

Sub-Session 1: Theoretical Approaches for Information Systems

9:00 - 10:40 / Chairmen: N. Kitawaki and S. Ben Ahmed

-Shigeo Sugimoto	-Archiving and preservation of digital resources: General issues and some case studies
-Mohamed Hamdi	-Content-based network filtering of encrypted image data
-Soukeina Ben Chikha	-Foundations of learning in standard SOM
-Kirmene Marzouki	-Car license plate detection using artificial neural network
-Samir Moalla	-On the use of social networks in web services: Application to the discovery stage

10:40 - 11:00 - Coffee break

Sub-Session 2: Applications in Information Systems

11:00- 13:00 / Chairmen: N. Kitawaki and S. Ben Ahmed

-Masahiko Mikawa	-Interaction design and motion content creation for Librarian Robot: A practicum track in support program for contemporary educational needs
-Jun Mitani	-Computer aided design for curved origami based on rotational sweep
-Kazuyo Tanaka	-Automatic speech recognition with an application to multimedia document retrieval
-M rd . Sahbi Bellamine	-Enabled Human-Robot interface: New tools of communication and interaction
-Narjès Bellamine	-Social complexity and intelligent system development
-Jihène Mallek	-Using ontology for adaptive mobile learning environment
-Sana Mahjoub-Mlika	-Which statute can new technologies have in teaching and training sessions in Mastery (Licence) within the "LMD" system

13:00 – 14:30 - Lunch

Sub-Session 3: Practical Approaches for Networks and Telecoms

14:30 - 16:30 / Chairmen : S. Sugimoto and S. Tabbane

-Naoko Okubo	-Long-term average spectral analysis of standardized speech database for telephony
-Chika Aoshima	-A study of artificial voices for telephony in the IP-based telecommunication networks
-Hiroshi Adachi	-Real-time search and communication site Comi-Ruba
-Makoto Hisanaga	-Collaborative remote lecture system with ultra-high speed internet satellite "Kizuna"
-M'hamed Chammem	-Body sensor networks: Applications and challenges
-Mimouna Ben Saied	-Delays analysis of cooperative truncated HARQ with opportunistic relaying and noisy feedback

16:30- 16:50 - Coffee break

Sub-Session 3 (Continuation): Practical Approaches for Networks and Telecoms

16:50 - 18:30 / Chairmen : S. Sugimoto and S. Tabbane

-Rim Ksibi	-On the performance of the use of filter banks for frequency estimation
-Besma Lahami	-Enhanced channel estimation for OFDM/OQAM
-Sameh Najeh	-A simple superposition coding scheme for optimizing resource allocation in downlink OFDMA systems
-Leila Najjar Atallah	-Blind estimation of timing and carrier frequency offsets in OFDM systems
-Nawel Zangar	-ON-OFF traffic sources modeling in USRAN

18:30 - 20:00 - Posters (Tent)

November 12th 2009

(Room: Flat)

Sub-Session 4: Mathematics

9:00 - 10:40 / Chairmen: N. Obata and H. Ouerdiane

-Kimiaki Saitô	-A Gauss-Poisson correspondence and Laplace operators
-Habib Ouerdiane	-Generalized fractional evolution equations
-Nobuaki Obata	-Quantum Stochastic Derivatives and Applications

10:40 - 11:00 - Coffee break

Sub-Session 4 (Continuation) : Mathematics

11:00 - 13:00 / Chairmen: N. Obata and H. Ouerdiane

-Abdessatar Barhoumi	-White Noise Meixner processes and related \star -Lie Algebras
-Anis Riahi	-Representations of the Lévy-Meixner oscillator algebra and the overcompleteness of sequences of coherent states
- Sonia Chaari	-White Noise surface measures

13:00 - 14:30 - Lunch

Sub-Session 4 (Continuation) : Mathematics

14:30 - 16:30 / Chairmen: K. Saitô and H. Ouerdiane

-Penka Mayster	-Poisson random measure of the subordinated Lévy processes
-Hafedh Reguigui	-Transforms on the nuclear algebra of entire functions with two variables and applications
-Samah Horrigue	-Quantum transformation associated with second order differential quantum operators of diagonal type

16:30- 16:50 - Coffee break

November 13th 2009:

(Room: Bacchus)

Sub-Session 5: Theoretical Approaches for Networks and Telecoms

9:00 - 10:40 / Chairmen: K. Tanaka and L. Saïdane

-Yoshihiro Kanamori	-GPU-based isosurface visualization for particle-based simulations
-Abdelbasset Trad	-Modeling and performance evaluation of SIP Networks
-Amel Meddeb	-RFID-based authentication for vehicular networks
-B.A. Fessi	-A new genetic algorithm approach for intrusion response system in computer networks

10:40 - 11:00 - Coffee break

Sub-Session 5 (Continuation) : Theoretical Approaches for Networks and Telecoms

11:00 - 13:00 / Chairmen: K. Tanaka and L. Saïdane

- Emna Ben Salem	-Equalizer filter bank structure for subchannel SINR maximization in multicarrier systems
- Mourad Ouertani	-Orthogonal bi-pulse UWB: Designing, timing and non coherent (de)modulation
- Hédia Kochkar	-A novel routing algorithm for dynamic traffic engineering

13:00 - Lunch

Session IV: Management and Innovation

November 12th 2009

(Room: Tent)

Sub-Session 1: Governance, Public Sector Management, Innovation and Knowledge

9:00 - 10:40 / Chairmen: K. Miyazaki and M. Frioui

-Olfa Zeribi	-Managing performance in the public sector. A prototype developed by business investigation Company
-Yasuyuki Suzuki	-Corporate management analysis and evaluation of a unique enterprise group
-Mohamed Ayadi	-Determinants of the innovation propensity in Tunisia: The central role of external knowledge sources
- Nabila Zribi	-Governance and risk-taken by Tunisian banks

10:40 - 11:00 - Coffee break

Sub-Session 2: Technology, Organizational Structure and Management

11:00 - 13:00 / Chairmen: K. Miyazaki and M. Frioui

-Yasuyuki Suzuki	-Chief technology officer's views and behaviors in the dual innovation management system
-Hajer Ben Arfa	-Competitive in intelligence and core competencies.
-Fujio Niwa and Takashi Nakagawa	-Technological literacy –toward management of technology by the public
-Féten Hamama	-Quality improvement approach in the Tunisian automotive components industry: An empirical investigation of its relationship with Knowledge creation

13:00 - 14:30 - Lunch

Sub-Session 3: Entrepreneurship

14:30 - 16:30 / Chairmen: F. Niwa and J. Mouine

-Nabil Zouari	-Incubation of innovations (start-up, Spin-off) : from opportunities to innovative companies
-Kensuke Kato and Kumiko Miyazaki	-Setting application paths for emerging technologies on new business development
-Thouraya Aguilu	-Discovery, evaluation and exploitation of entrepreneurial opportunity
-Kamel Krichen	-The effect of the structure of Tunisian entrepreneurial team on performance: the role of strong ties

16:30 - 16:50 - Coffee Break

Sub-Session 4: Innovation and Service Activities

16:50 - 18:30 / Chairmen: F. Niwa and J. Mouine

-Sahbi Khanfir and Kazuhiko Hasegawa	-On the safety assessment for Sfax-Kerkennah islands car/passenger ferry maritime connection.
-Aymen Ben Jmeaa	-Determinants of the intention to innovate within the Tunisian tourism industry

18:30 - 20:00 - Posters (Tent)

November 13th 2009

(Room: Tent)

Sub-Session 5: Innovation and transformation

9:00 - 10:40 / Chairmen: H. Tomizawa and A. Dhif

-Hiroyuki Tomizawa	-Public science as source of innovation: a bibliometric analysis of scientific articles cited by patents
-Mohamed Jamoussi	-The relation between business plan's timing, formalization and the properties of emerging organization
-Yakup Bektas	-Reflections on Meiji Japan's technological transformation

10:40 - 11:00 - Coffee break

Sub-Session 6: Internationalization, Export and Knowledge Transfer

11:00 - 13:00 / Chairmen: H. Tomizawa and A. Dhif

-Kaies Mejri	-Innovation in SME's internationalization
-Rym Krichen	-The impact of organizational structure on export performance: evidence from Tunisian SMEs
-Aziza Slimane	-Cognitive profile and speed of internationalization
-Mohieddine Rahmouni	-Export behavior and propensity to innovate in a developing country: the Tunisian case
-Kumiko Miyazaki and Daigo Kusunoki	-Industry –academia linkages based on knowledge transfer

13:00 - Lunch

Session V: Humanity and Social Sciences

November 12th, 2009

(Room: Hannibal)

Sub-Session 1: Anthropology and Psycho-sociology

9:00 - 10:40 / Chairmen: M. Miyaji and M. Nasraoui

-Nobuhiro Ito	-La personnification des plantes : les rapports entre le rituel du jeûne de l'eau et de la terre et la croyance en la divinité Kishimojin
-Anis Azouzi	-Identity and violence
-Ryosuke Okamoto	-Le catholicisme et la laïcité après la sécularisation en France.
-Fadoua Harrabi	-Aspect of Tunisian and Japanese youth culture: a comparative perspective.
-Maki Iwasaki	-Coptic saint as a nexus of Christians and Muslims in contemporary Egypt.

10:40 - 11:00 - Coffee break

Sub-Session 2: History

11:00 - 13:00 / Chairmen: M. Miyaji and M. Nasraoui

-Nobuyuki Tsunoda	-L'idée du républicanisme au temps de la révolution française
-Tahar Mansouri	-Byzantium and the Arabs from the VIIth to the XIth C.
-Mounira Chapoutot Remadi	-Turkmen in Syria and the Circassian power
-Misako Ikeda	-The establishment of local consultative bodies in Egypt under British occupation: an analysis of the Dufferin report.
-Khaled Ben Romdhane	-Analysis of Islamic golden and silver coins of west Islamic medieval world by non destructive method
-Khalifa Chater	-Jerba and the Ottomans in the XVIIth C.: reading of kharijit sources.

13:00 - 14:30 - Lunch

Sub-session 3: Civilization (Arts / Literature / Islamic studies)

14:30 - 16:30 Chairmen: S. Komatsu and A. Chebil

-Etsuko Aoyagi	-Particularité et universalité dans les romans d'Emna Belhadj Yahia selon la notion d'«exemplarité» dans les discussions sur la littérature de Jacques Derrida .
-Takako Tanigawa	-L'idée moderne de l'individuel au Japon.
-Afif Sbati	-Islam leads in the way to science.
-Tetsuya Motohashi	-«A voucher stronger than ever law could make» Writing and media literacy in Cymbeline.
-Anni Namba	-A study of the uses of filmic montage based on psycho analytic theory.
-Dorra Ben Sedrine	-Compatibility between Islamic Law (Shari'ah) and the Universal Declaration of Human Rights

16:30 - 16:50 - Coffee Break

Sub-session 4: Economy

16:50 - 18:00 Chairmen: S. Komatsu and A. Chebil

- Hiroshi Nagaoka	The current status of energy sector of the Republic of Tunisia
- Jalel Rhayem	The Sino-Japanese strategic contest in North Africa
- Kenichi Kashiwagi	A decomposition of total factor productivity growth : the case of Egyptian economic growth

November 13th, 2009

(Room: Hannibal)

Sub-session 5: Education and learning

9:00 - 10:40 Chairmen: M. Miyaji and H. Annabi

-Raoudha Ben Othmane	-The roles of Tunisian academics conception of teaching and learning in building an effective quality culture
-Mari Minowa	-Education and social mobility: perception of fairness and incentives for investment.
-Dorra Moalla Masmoudi	-The effect of background knowledge and language proficiency on the development of visual design skills among ESP specialists
-Akiko M. Sumi and Katsunori Sumi	-Skills and knowledge acquisition of Arabic language in Japanese university classes.
-Chokri Smaoui	-Communication strategies in a cartoon verbalization task

10:40 - 11:00 - Coffee break

Sub-session 6: Linguistics

11:00 - 13:00 Chairmen: M. Miyaji and H. Annabi

-Rafik Ben Hamouda	-The concept of intention in the Arabic linguistic thinking.
-Hidehiro Tachibana	-Ecriture japonaise et diversité du monde
-Fredj Ghaddab	-Fronting in standard Arabic
-Besma Zayani	-Linguistic frozenness in Arabic

13:00 – Lunch

Posters Program

November 12th 2009: 18:30 - 20:00

(Tent)

Session I: Agriculture, Food Sciences and Biotechnology

Ref.	Authors	Title
P1	Larbi Ajmi, Haifa Kchaou, Monji Msallem and Fermin Morales	Enhanced employment of the xanthophylls cycle and thermal energy dissipation in olive trees grown under salinity stress
P2	Allel Dorsaf, Zouhaier Barhoumi, Raoudha Baioui, Anissa Saidani, Aida Bouajila, Chedly Abdelly	Variability in salt response of barley <i>Hordeum vulgare</i>
P3	T. Ameer, A. Larbi, M. Ayadi, A. Bendhiab and M. Msallem	Olive cultivars planted in high density planting (HDP) system : Ecophysiological aspects
P4	Nabil Amor, Gaetano Odierna, Gianni Chinali, Khaled Said and Orfeo Picariello	Unusual chromosomal distribution of a major satellite DNA from <i>Discoglossus pictus auritus</i> (Amphibia, Anura)
P5	Malika Ayadi, Damien Cavez, François Chaumont and Khaled Masmoudi	Two Plasma Membrane Intrinsic Proteins from wheat enhanced drought and salinity tolerance in transgenic tobacco plants
P6	Bechir Baccouri, Hédia Manai, Sonia Ben Temime, Ahmed Mliki, Douja Daoud and Abdelwahed Ghorbel	Biochemical behaviour of some Durum wheat varieties cultivated in Tunisia
P7	Hanène Badri, Haïtham Sghaier, Issam Ben Salem, Faten Gtari, Maher Gtari, Natalie Leys, Abdellatif Boudabous and Insaf Barkallah	Engineering <i>Deinococcus radiodurans</i> R for bioremediation of non radioactive and radioactive wastes facilitated by comparative genomics with <i>Cupriavidus metallidurans</i> CH 34
P8	Ines Ben Fguira, Fakher Kamoun, Zaineb Fourati and Samir Jaoua	New bacteriocin of <i>Bacillus thuringiensis</i> : investigation and transfer of the coding genes
P9	K. Ben Hadj Farhat, Rejeb H., Elmeddeb S. and Boukroute A	Study of the landscape dynamic and enhancement of wetlands In the Tunisian Sahel (case of Sebkhate El Kalbia) And the Oriental region of Morocco (case of the estuary of Moulouya)
P10	N. Ben Rahal, J.K.Chérif, D. Barth and M. Trabelsi-Ayadi	Physicochemical characteristics of <i>Silybum marianum</i> oil seeds
P11	Imen Ben Rebeh, Noriko Yoshimi, Hassen HadjKacem, Sachiko Yanohco, Bouthaina Hammami, Mouna Mnif, Masahiro Araki, Abdelmonem Ghorbel, Hammadi Ayadi, Saber Masmoudi and Hitoshi Miyazaki	Identification and functional analysis of two missense mutations in PDS Gene and construction of PDS and siRNA PDS recombinant adenovirus
P12	Asma Ben Salem-Fnayou; Badra Bouamama; Abdelwahed Ghorbel and Ahmed Mliki	Structural adaptations of grapevine (<i>Vitis vinifera</i>) to high temperatures
P13	Farah Ben Salem, Mie Minamoto, Mohamed Tarhouni and Azaïez Ouled Belgacem	Impact of the ecological factors on natural vegetation of Matmata mountains, South-Eastern Tunisia
P14	Issam Ben Salem, Natalie Leys, Haithem Sghaier, Hanene Badri, Sami Fattouch and Ahmed Landolsi	Interactions of bacterium <i>Cupriavidus metallidurans</i> with non radioactive and radioactive strontium: identification of molecular mechanisms and potential biotechnological applications
P15	Ines Borgi and Ali Gargouri	Biochemical and molecular properties of fungal protease
P16	Aida Bouajila, Néjia Zoghalmi, Ahmed Mliki, Abdelwahed Ghorbel, Salah Rezgui, Amor Yahyaoui	Variation of pathogenicity and microsatellite markers within <i>Rhynchosporium secalis</i> (Oudem) J.J in Tunisia: new sources of resistance against barley scald
P17	Zouhaier Bouallagui, Junkuy Han, Hiroko Isoda and Sami Sayadi	Olive leaf polyphenols induce cell cycle arrest in MCF7 adenocarcinoma cells
P18	Kloula Selma, Chatti Abdelwaheb, Ben Saïd Myriam, Khefacha Sana, Snoussi Mejdî and Abdennaceur Hassen	Effect of UV-C treatment on fatty acid composition of <i>Pseudomonas aeruginosa</i>
P19	N. Fethi, J.K. Chérif, A.Jrad, R.Kalfat, M. Trabelsi-Ayadi	Antiradicalaire activity of Tunisian <i>Opuntia ficus indica</i> (pulp and peel)
P20	J.K. Chérif, S. Jémai, I.M' Rabet, A.Jrad and M.Trabelsi-Ayadi	Study of the antioxydant capacity of Tunisian tomato: fresh and waste (skin and seeds)
P21	Safa Derbel and Ghedira Kamel	<i>Zizyphus lotus</i> L. (Rhamnaceae): preliminary chemical study and assessment of biological activities of extracts obtained from the fruit
P22	Imed Djemali and Rachid Toujani	Diel variation of fish abundance in three Tunisian Man-made lakes using hydro acoustic.
P23	Hamouda Elabed, Bakhrouf Amina and Gaddour Kamel.	Transcriptional study of genes expression by Differential Display Reverse Transcription PCR of <i>Salmonella typhimurium</i> in salt stress conditions.
P24	Lobna Elleuch, Slim Smaoui, Ines Karray-Rebai	Bioactive secondary metabolites from a new terrestrial <i>Streptomyces</i>

	and Lotfi Mellouli *	<i>sp.</i> TN 262
P25	Mohamed Elleuch Nabil and Zouari	Development and valorisation of a bioprocess of ensilage through creation of innovative start-up
P26	Yousra Elmannai and Kazutoshi Okuno	Genetic analysis of flowering time in sorghum (<i>Sorghum bicolor</i> (L.) Moench)
P27	Ali Fendri, Abdelmajid Khabir, Tahia Sellami-Boudawara, Jamel Daoud, Mounir Frikha, Abdelmonem Ghorbel, Ali Gargouri and Raja Mokdad-Gargouri	PIK 3CA amplification is more frequent than point mutations in Tunisian NPC and correlated with advanced tumor stage
P28	Ines Friha, Zouhair Bouallagui, Fatma Karray and Sami Sayadi	Response surface modeling of hydroxytyrosol production by <i>Serratia marcescens</i>
P29	Imed Gaaloul, Samira Riahi, Rafik Harrath, Mahjoub Aouni and Sally Huber	The correlation between enterovirus infections and heart failure
P30	Adel Gaamour, Rjeibi Okbi, Ben Salem Skander et Jaziri Sabri	Analysis of <i>Palinurus elephas</i> fisheries of the north coast of Tunisia
P31	Mahmoud Gargouri, Claude MAanigon, Béatrice Distanto-Levallois, Thiery Garnier, Jean Chadiere, Bernard Gallois, Ahmed Mliki	Biosynthesis of Flavan-ols: Structural and functional study of anthocyanidin reductase in grapevine
P32	H. Guerbej, Kammoun F., Terai A., Nanao H., Zouari M., Missaoui N., Kraiem M., Mrabet R. and Missaoui H	Marine juvenile release of sea bass and sea-bream in the Gulf of Gabes in Tunisia
P33	Keitaro Hagiwara, Tadashi Goto , Hiromi Hagiwara	Oleuropein from olive stimulates the differentiation and mineralization of cultured osteoblasts and inhibits the formation of osteoclasts in culture
P34	J.K.Cherif, H Hammouda, S. Guyot, A. Baron and M. Trabelsi-Ayadi	Phenolic compounds identification of three varieties of Tunisian pears and evaluation of their antioxidant capacity by FRAP method
P35	ImedEddine Hassen, Sihem Ben Aich, Chaouki Belgacem, Hedia Chaabene, Nadia Ben Brahim	Isolation and characterization of some natural antioxidants in Tunisian plants
P36	Hiroyuki Kojima, Mohamed Elyes Kchouk and Rebai Ben Ammar	Preliminary study for industrial applications of Rosemary in Tunisia
P37	Youssef Masmoudi, Habib Chabchoub and Ahmed Rebaï	A new classification procedure based on mathematical programming: Application to breast cancer classification
P38	Nadia Mcharek, Imed Eddine Hassen, Belgacem Hanchi	Variation of antioxidant activity of citrus extracts during maturation
P39	I. M'Rabet, J.K. Chérif, M. Ayadi - Trabelsi and A.M. Albrecht-Gary	Chelation proprieties of nickel(II) by hesperetin
P40	F. Mraïcha Debo, Ksantini M., Bouaziz M., and Gharsallaoui M.	Influence of <i>Bactrocera oleae</i> (Diptera – Tephritidae) Infestation on olive oil quality during ripening of olives
P41	Olfa Mzani and Souad Ammar-Merah	Synthesis of functionalized nanoparticles with ligands RGD mimetics type for use in cancer treatment
P42	H. Najjaa, E. Ammarb and M. Neffati	<i>Allium roseum</i> L. as a functional food plant
P43	Souheib Oueslati, Riahi Jawaher, Mliki Ahmed and Ghorbel Abdelwahed.	Survey of mycobiota of Tunisian stored wheat and evaluation of the T2 and HT2 toxins
P44	S. Rjiba Ktita, A. Chermiti and M. Mehouchi	The use of seaweeds (<i>Ruppia maritima</i> and <i>Chaetomorpha linum</i>) for lambs fattening during drought periods
P45	Kazunori Sasaki, Junkyu Han and Hiroko Isoda	Neuroprotective effect of caffeoylquinic acid through transcriptional overexpression of glycolytic enzymes
P46	Keita Sasaki, Takahiro Morio, Naoyuki Funamizu, Junkyu Han and Hiroko Isoda	Establishment of an evaluation system for environmental safety by monitoring heat shock protein gene expression
P47	Nabil Souissi	<i>Sardinella peptone</i> : Elaboration, characterization and use as nutrient source for microbial growth and protease production
P48	Olfa Tabbene, Imene Ben Slimene, Faten Bouabdallah and Ferid Limam	<i>B. subtilis</i> B 8 peptide antibiotics: production, isolation and applications
P49	Hassen Teyeb, Wahiba Douki and Mohamed Neffati	Chemical composition of volatiles from <i>Astragalus gombiformis</i> Pomel (Fabaceae)
P50	Darine Trabelsi, Alessio Mengoni, Mohammed Elarbi Aouani, Marco Bazzicalupo and Ridha Mhamdi	Genetic diversity of bacterial and rhizobial communities from two Tunisian soils
P51	Chiraz Zaïed, Salwa Abid, Salwa Chouchane, Mohamed Jomaa and Hassen Bacha	Levels of Ochratoxin A in feedstuffs largely used in Tunisia
P52	Sameh Zouari	Agriculture and trade liberalisation in Tunisia: simulating the reaction of cereal farms with CGEM

Session II : Energy and Environment

Energy and Materials

Ref.	Authors	Title
P53	Malek Belouda, Jamel Belhadj, Xavier Roboam and Bruno Sareni	Multi-criteria optimization of a stand alone hybrid photovoltaic wind system using evolutionary algorithms
P54	Mohamed El Amine Ben Amara and Ben Nasrallah Sassi	Numerical resolution of heat and mass transfer equations using Lattice Boltzmann Method
P55	A.W. Dahmouni, M. Ben Salah, F. Askri I, C. Kerkeni and S. Ben Nasrallah	Experimental study of a horizontal axis wind turbine
P56	K. Djebali, H. Hammi, A.H. Hamzaoui, A. M'Nif	Modeling of the potassium sulphate solubility in EtOH + H ₂ O solution by experimental design methodology
P57	K. Horchani-Naifer et M. Férid	Crystal structure and DFT calculations of the energy band and optical properties of diphosphate NaLaP O ₇
P58	M. S. Hossen, I. Sotome, M. Takenaka, S. Isobe, M. Nakajima and H. Okadome	Pulverization of rice grain into ultrafine particles using jet mill and hammer mill and study of starch damage of the flours
P59	Mohamed Ramzi Jemli, Samir Darghouthi, Mohieddine Ben salah, Abdelhamid Farhat, Sassi Ben Nasrallah	Efficiency of solar thermal system for heating and electrical power generation
P60	Takuya Nagamori, Takuya Okazaki, Yukina Chujo, Masamoto Tafu, Takeshi Toshima and Tetsuji Chohji	Application of a calcium phosphate to immobilization of fluoride and heavy metals in the environment
P61	Tomokazu Nakamura, Takeshi Toshima, Masamoto Tafu, and Tetsuji Chohji	Biomimetics of the inorganic crystal growth
P62	Safa Skouri, Ouederni Ridha, Ben Salah Mohieddine, Askri.Faouzi, Ben Nasrallah Sassi	Experimental study of concentrating solar energy collector
P63	A. Souahlia, S. Mellouli, F. Askri, S. Ben Nasrallah	Effect of fins on heat and mass transfers in metal hydrogen reactor
P64	Ismail Trabelsi, Salah Sourour, Ben Thayer Béchir	Co - treatment of landfill leachate and municipal wastewater by using Sequential batch reactor (SBR) and coagulation –settling process.
P65	Leila Zili-Ghedira and Sassi Ben Nasrallah	Study of a desiccant cooling installation

Environment

Ref.	Authors	Title
P66	Fahmi Ben Fredj, Mitsuteru Irie, Junkyu Han, Abdelkrim Charef, Ahmed Ghrabi and Hiroko Isoda	Risk assessment of soils irrigated with wastewater in Tunisia using <i>in vitro</i> bioassays
P67	Sonia Gmati, Norio Tase, Maki Tsujimura and Mohamed Ben Amor	Geochemistry and isotope analyses used for the description of groundwater flow system in the South-Western foot of Mt. Fuji, Japan
P68	Fatma Hachani, Maki Tsujimura, Tadanori Goto, Yuki Tosaki, Hideto Kumasaka and Hedi Zouari	Groundwater flow evaluated using self-potential and piezometric data in Saijo, Ehime Prefecture, western Japan
P69	Ferid Hajbi; Halim Hammi, Adel M'Nif	Valorization of reverse osmosis concentrate by isothermal evaporation: Experimental studies and thermodynamic modeling
P70	Hiroyuki Horanai, Mashuo Ozaki	Decolorization and recovery of the coloring material in the hog raising drain
P71	Mohamed Khaled Ibrahim, Tsuyoshi Miyazaki, Taku Nishimura, Hiromi Imoto, Kohei Nishikawa, Kenta Hirai, Hiroyuki Saida	Surface and sub-surface recharge effects on shallow groundwater behaviour in an experimental model
P72	Kohei Suzuki, Nurbay Abdusalik, Takashi Kamijo, Kiyokazu Kawada, Abdissalam Jalaldin and Toru Nakamura	Phytosociological study of steppe vegetation in Northern Xinjiang, China
P73	Soulwène Kouki, Neila Saidi, Fadhel M'hiri, Abdennaceur Hassen	Valorization of compost by-products of a rural treatment plant
P74	Hideko Motojima, Parida Yamada, Mitsuteru Irie, Masuo Ozaki, Hideyuki Shigemori, Hiroko Isoda	The saline-alkali soil improvement effect of humic acid extracted from solubilized excess sludge
P75	Jamel Sehim, Bedir Mourad	Water resources management and environment restoration around mining area by installing an ecologic hydropower station; case study: phosphate mining area in southern part of Tunisia
P76	E. Srasra	Modified clays and their uses

Water

Ref.	Authors	Title
P77	Hayet Chihi, Mourad Bedir and Habib Belayoun	Integrating geophysical and geostatistical methods in architectural reservoir modelling.
P78	Samia Khadhar, Nouha Sehabou, Anis Chkirbene, Ammar Mlayah, Abdelkrim Charef et Khamais Zaini	Metal and organic contamination of water in Wadi El Bey stream, North East Tunisia.
P79	S. Khoms, Mourad Bédir , Oussema Echihi, Riadh El Mezni	First approach of the hydrogeological potentialities of the Northern Tunisia thrust belt constrained by seismic records and geological sections
P80	Taher Zouaghi, Dalila Jallaila, Mourad Bédir	Geophysical characterization of the Cretaceous to Neogene reservoir levels in central Tunisia (Hajeb Layoun-Sidi Bouzid): Structuration and hydrogeological potentialities

Session III: Information and Communication Technologies and Mathematics

Ref.	Authors	Title
P81	Hichem Arfa, Sadok El Asmi and Safya Belghith	Equalization of a time varying signal in a nonlinear environment
P82	Takoua Abdellatif ¹ and Ahmed Adouani ²	A component-based e-voting system
P83	Mohamed Ben Ammar	The Affective Tutoring System
P84	Lamia Chaari	IEEE 802.16 QoS framework design and implementation
P85	Mounir Dhibi	Multi-segmentation of sonar images using belief function Theory
P86	Zied El Euch and Kirmene Marzouki	Content based copy detection in images using feature extraction
P87	Lobna Hlaoua	Relevance Feedback in XML Retrieval
P88	Maha Khemaja, Afef Ghannem	An ontology based approach for integrating serious games into e-learning process conform to IMS-LD
P89	A. Loussaief	Dose mapping using multipole moments
P90	Hafedh Mnif	The Challenges and Opportunities of New Film Technology: Spiderman 3 as A Case Study
P91	M. Najjar	The effect of Science and Technology Education on Science Development in the Arab world

Session IV : Management and Innovation

P92	Wyssal Abbassi	Innovation in Tunisia: stakes and perspectives
P93	Slim Hadoussa	“ICT impacts on managerial innovation practices: a survey of intranet users”
P94	Moktar Hamdi	Rationalized football: a model for competence training and performance control
P95	Hfaiedh Rflaha	IT and structural change: How to innovate in Tunisian group