

Dr.M.G.R
Educational and Research Institute
University

NATIONAL CONFERENCE
ON
RECENT ADVANCES IN APPLIED SCIENCES
10-11, FEBRUARY 2012

PROGRAMME SCHEDULE

DATE : 10/02/12

1. 8.30 am – 9.30 am : **Registration**
2. 9.30 am – 11.00am : **Inauguration Function**
3. 11.00 am – 11.30 am : Tea Break.
4. 11.30 am – 1.30 pm : **Session I**
5. 1.30 pm – 2.00 pm : Lunch
6. 2.00 pm – 4.00 pm : **Session II**
7. 4.00 pm – 4.30 pm : Tea Break
8. 4.30 pm – 6.30 pm : **Session III**

DATE : 11/02/12

1. 9.00 am – 11.00 am : **Session IV**
2. 11.00 am – 11.30 am : Tea Break
3. 11.30 am – 1.30 pm : **Session V**
4. 1.30 pm – 2.00pm : Lunch
5. 2.00 pm – 4.00 pm : **Session VI**
6. 4.00 pm – 4.30 pm : Tea Break
7. 4.30 pm – 5.30. pm : **Valedictory Function**

DETAILED SCHEDULE OF VARIOUS SESSIONS

SESSION – I (11.30 am – 1.30 pm)

Date : 10/02/12

Chair Person: Dr.G.Anbalagan

Number of Invited Talks in this session : 2

Number of Oral Presentations in this session : 7

Sno	Invited Talks / Paper Presentation	Time Duration		Topic
		Presentation	Interaction	
1	Introduction of Chairperson	11.30 – 11.32		
2	Introduction of Invited Speaker – 1	11.32 – 11.35		-
3	Invited Talk – 1 – Dr.G.D.Baruah	11.35-12.00	12.00-12.05	Vector Model of Spontaneous Emission
4	Introduction of Invited Speaker – 2	12.05 – 12.08		
5	Invited Talk – 2 – Dr.M.N.Ponnusamy	12.08-12.33	12.33-12.38	Crystal structure and docking studies of benzodiazepines with the targeted molecule
6	Oral Presentation – 1 – PAPER NO 1	12.38-12.43	12.43-12.45	Quantum chemical computations of molecular geometry, vibrational spectra, fukui function and thermodynamic

				parameters of diltiazem and its hydrochloride salt
7	Oral Presentation – 2 – PAPER NO 2	12.45-12.50	12.50-12.52	Restricted hartree-fock and semi empirical molecular orbital theory study on molecular structure, Infrared and UV-Vis spectrum of metoprolol tartrate.
8	Oral Presentation – 3 – PAPER NO 4	12.52-12.57	12.57-12.59	Multimetallic nanoparticles synthesis by Single Step method.
9	Oral Presentation – 4 – PAPER NO 5	12.59-1.04	1.04-1.06	Inhibition studies of L-aminoacid oxidase by Aristolochia indica root extract using spectroscopic assay.
10	Oral Presentation – 5 – PAPER NO 6	1.06-1.11	1.11-1.13	Quantum chemical calculation on the structures of cyanuric acid and their halogen substituted species
11	Oral Presentation – 6 – PAPER NO 8	1.13-1.18	1.18-1.20	Performance Assessment of irrigation stuctures in selected distributaries of lower bhavani project
12	Oral Presentation – 7 – PAPER NO 12	1.20-1.25	1.25-1.27	Role of dam on sedimentation and nutrient load in the krishnagiri reserrior

SESSION – II (2.00 pm – 4.00 pm)

Date : 10/02/12

Chair Person : Prof.R.Murugesan

Number of Invited Talks in this session : 2

Number of Oral Presentations in this session : 7

Sno	Invited Talks / Paper Presentation	Time Duration		Topic
		Presentation	Interaction	
1	Introduction of Chairperson	2.00 pm – 2.02 pm		
2	Introduction of Invited Speaker – 3	2.02 pm – 2.05 pm		-
3	Invited Talk – 3 – Dr.T.S.Renugadevi	2.05 pm-2.30pm	2.30 pm-2.35pm	Efficacy of anti cholesterol drugs in Patients – Spectral and Clinical Implications
4	Introduction of Invited Speaker – 4	2.35 pm – 2.38 pm		
5	Invited Talk – 4 – Dr.M.Balakrishnan	2.38 pm-3.03 pm	3.03 pm-3.08 pm	Spectroscopy and Nanotechnology Applications to Air and Water Pollution Studies

6	Oral Presentation – 8– PAPER NO 13	3.08-3.13	3.13-3.15	On fuzzy closed sets and complement functions
7	Oral Presentation – 9– PAPER NO 14	3.15-3.20	3.20-3.22	Modeling of equilibrium data for methylene blue adsorption onto activated carbon by non-linear regression methods.
8	Oral Presentation – 10– PAPER NO 102	3.22-3.27	3.27-3.29	Diagnosis of Breast cancer by Spectroscopic Method
9	Oral Presentation – 11– PAPER NO 22	3.29-3.34	3.34-3.36	A solution for effective teaching using fuzzy cognitive maps(COBFCMS)
10	Oral Presentation – 12– PAPER NO 28	3.36-3.41	3.41-3.43	Upper Bounds for the largest eigen value of a Bipartite graph
11	Oral Presentation – 13– PAPER NO 32	3.43-3.48	3.48-3.50	Optical Birefringence studies of some semi organic NLO crystals using cauchy's Two term model by the channeled spectrum method.
12	Oral Presentation – 14– PAPER NO 33	3.50-3.55	3.55-3.57	Effect of calcinations temperature and time on synthesis of titanium dioxide by sol – gel method.

SESSION – III (4.30 pm – 6.30 pm)

Date : 10/02/12

Chair Person : Dr.R.Pushkala

Number of Invited Talks in this session : 2

Number of Oral Presentations in this session : 7

Sno	Invited Talks / Paper Presentation	Time Duration		Topic
		Presentation	Interaction	
1	Introduction of Chairperson	4.30pm – 4.32 pm		-
2	Introduction of Invited Speaker – 5	4.32pm – 4.35 pm		-
3	Invited Talk – 5– Dr.Debasish Battacharya	4.35pm-5.00pm	5.00pm-5.05pm	Suicidal Inactivation of snake venom L-Amino acid oxidase by L-propargylglycine : Spectroscopic & Kinetic evidences
4	Introduction of Invited Speaker – 6	5.05pm – 5.08 pm		-
5	Invited Talk – 6 – Dr.K.Thangavel	5.08pm-5.33pm	5.33pm-5.38pm	Rough set Theory & its Applications
6	Oral Presentation – 15– PAPER NO 38	5.38-5.43	5.43-5.45	Hydrogeochemical characterization of contaminated ground water in pallavaram

7	Oral Presentation – 16– PAPER NO 108	5.45-5.50	5.50-5.52	Computational molecular docking, HF,DFT calculation and spectroscopic studies of pyridine-3-carboxylic acid against cardiovascular disease
8	Oral Presentation – 17– PAPER NO 45	5.52-5.57	5.57-5.59	Crystal growth and characterization of a new organic single crystal – Bis β – alanine picrate (BBAP)
9	Oral Presentation – 18– PAPER NO 57	5.59-6.04	6.04-6.06	Vibrational Spectra and quantum chemical calculations of antiretroviral drugs: Lamivadine.
10	Oral Presentation –19– PAPER NO 59	6.06-6.11	6.11-6.13	The role of additives on the synthesis of calcium phosphate biomaterials for biomedical applications.
11	Oral Presentation – 20– PAPER NO 63	6.01-6.18	6.18-6.20	Ultra short pulses
12	Oral Presentation – 21– PAPER NO 64	6.20-6.25	6.25-6.27	Peptide Fraction isolated from an aqueous extract of human placenta slows gelatinolytic activity

SESSION – IV (9.00 am – 11.00 am)

Date : 11/02/12

Chair Person – Dr.G.Sankari

Number of Invited Talks in this session : 2

Number of Oral Presentations in this session : 7

Sno	Invited Talks / Paper Presentation	Time Duration		Topic
		Presentation	Interaction	
1	Introduction of Chairperson	9.00am-9.02am		-
2	Introduction of Invited Speaker – 7	9.02am-9.05am		-
3	Invited Talk –7 – Dr.K.P. Rajappan Nair	9.05am-9.30am	9.30am-9.35am	Advances in microwave Spectroscopy and Molecular Structure
4	Introduction of Invited Speaker – 8	9.35am-9.38am		-
5	Invited Talk – 8– Dr.C.Sekar	9.38am-10.03am	10.03am-10.08am	Nano Structured metal oxides for Bio Sensors Applications
6	Oral Presentation – 22– PAPER NO 71	10.08-10.13	10.13-10.15	Use of HEC HM model with Arc gis for flood risk management. A case study from chennai.
7	Oral Presentation – 23– PAPER NO 77	10.15-10.20	10.20-10.22	Complex Impedance and Spectral studies on a new binary Fast ionic system Bi I ₃ -Ag ₂ WO ₄

8	Oral Presentation – 24– PAPER NO 78	10.22-10.27	10.27-10.29	A design of Acoustic Echo Canceller using raised cosine function and NLMS Algorithm
9	Oral Presentation – 25– PAPER NO 84	10.29-10.34	10.34-10.36	Current status of drinking water supply services in institutional environment
10	Oral Presentation –26– PAPER NO 85	10.36-10.41	10.41-10.43	Analytical development for motor gasoline adulteration by gas chromatograph-Piona Software.
11	Oral Presentation – 27– PAPER NO 88	10.43-10.48	10.48-10.50	Density functional theory study of the structure and vibrational assignments of 4-Hydroxy-3-Nitrocoumarin
12	Oral Presentation – 28– PAPER NO 89	10.50-10.55	10.55-10.57	Modernization technique of irrigation tasks to implent the social economic and technical parameters.

SESSION – V (11.30 am – 1.30 pm)

Date : 11/02/12

Chair Person : Dr.S.Jayakumar

Number of Invited Talks in this session : 2

Number of Oral Presentations in this session : 9

Sno	Invited Talks / Paper Presentation	Time Duration		Topic
		Presentation	Interaction	
1	Introduction of Chairperson	11.30 am-11.32 am		-
2	Introduction of Invited Speaker – 9	11.32 am-11.35 am		-
3	Invited Talk –9 – Dr.Balasubramaniam	11.35 am-11.50am	11.50am-11.55am	Mossbauer Spectroscopy
4	Introduction of Invited Speaker – 10	11.55am-11.58am		-
5	Invited Talk – 10– – Dr.Rosy Vennila	11.58am-12.23pm	12.23pm-12.28pm	Stem cell research - clinical translation status
6	Oral Presentation – 29– PAPER NO 92	12.28-12.33	12.33-12.35	Comparative study of catalytic activities of copper nanoparticles with different capping agents towards nitrophenol reductions in aqueous solution
7	Oral Presentation – 30– PAPER NO 97	12.35-12.40	12.40-12.42	Characterisation and culture of adult stem cells by non-invasive spectroscopic techniques.

8	Oral Presentation – 31– PAPER NO 104	12.42-12.47	12.47-12.49	Application of RP-HPLC and UV visible spectroscopy for the estimation of oxcarvazepine and tioglitzazone in tablets before and after expiry period
9	Oral Presentation – 32– PAPER NO 100	12.49-12.54	12.54-12.56	Analysis on a low fat health drink-A Qualitative study
10	Oral Presentation –33– PAPER NO 103	12.56-1.01	1.01-1.03	Protective effect of curcumin-A review
11	Oral Presentation – 34– PAPER NO 105	1.03-1.08	1.08-1.10	Recent advances in polymer sciences poly(Penylthiourea Azomethine Ester) S-Corrosion control studies.
12	Oral Presentation – 35– PAPER NO 110	1.10-1.15	1.15-1.17	Vibrational Spectroscopic assignments and quantum computational studies on pioglitazone hydrochloride
13	Oral Presentation – 36– PAPER NO 111	1.17-1.22	1.22-1.24	Advances in nanosciences
14	Oral Presentation – 37– PAPER NO 116	1.24-1.29	1.29-1.31	Anacyclus pyrethrum A treasure of medicinal herb

SESSION – VI (2.00 pm – 4.00 pm)

Date : 11/02/12

Chair Person :Prof. S.Dinakar

Number of Oral Presentations in this session : 13

Sno	Invited Talks / Paper Presentation	Time Duration		Topic
		Presentation	Interaction	
1	Introduction of Chairperson	2.00 pm-2.02pm		-
2	Oral Presentation – 38– PAPER NO 119	2.35-2.40	2.40-2.42	Performance evaluation of gender managed tank irrigation system – A case study of Avalur.
3	Oral Presentation – 39– PAPER NO 120	2.42-2.47	2.47-2.49	FTIR spectral investigation on normal and cancer blood samples.
4	Oral Presentation – 40– PAPER NO 127	2.49-2.54	2.54-2.56	New trends in Mathematics
5	Oral Presentation – 41– PAPER NO 132	2.56-3.01	3.01-3.03	Mixed Ligand Schiff base complexes of substituted salicylaldehyde with some amonio acids
6	Oral Presentation – 42– PAPER NO 138	3.03-3.08	3.08-3.10	Growth and characteristics of NiZnSr Nanoferrites.
7	Oral Presentation – 43– PAPER NO 141	3.10-3.15	3.15-3.17	Solution dynamics in a Bose – Einstein condensate using the two coupled

8	Oral Presentation –44– PAPER NO 142(a)	3.17-3.22	3.22-3.24	Solid waste management .
9	Oral Presentation –45– PAPER NO 144	3.24-3.29	3.29-3.31	Use of serum in umbilical cord blood derived mesenchymal stem cells.
10	Oral Presentation –46– PAPER NO 145	3.31-3.36	3.36-3.38	Isolation, expansion and characterization of Mesenchymal stem cells from umbilical cords matrix by Non – enzymatic method
11	Oral Presentation –47– PAPER NO 159	3.38-3.43	3.43-3.45	Characterisation of urea thiourea doped crystals by FTIR, FTIRAMAN and dielectric measurements
12	Oral Presentation –48– PAPER NO 161	3.45-3.50	3.50-3.52	Bactibilia In Hepatobiliary Pancreatic diseases
13	Oral Presentation –49– PAPER NO 164	3.52-3.57	3.57-3.59	Exponential deterioration rate for inventory with price dependant demand
14	Oral Presentation –50– PAPER NO 170	3.59-4.04	4.04-4.06	“Yatra Beema. Vehicle Insurance with Privacy Protection