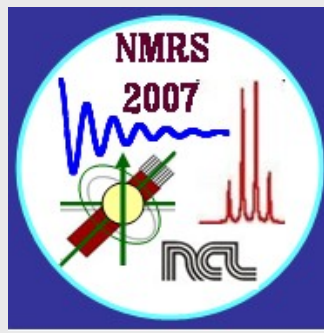


**Special Symposium on**  
**Current trends in Solid State NMR Methodology and Practice**  
**and**  
**13<sup>th</sup> National Magnetic Resonance Society Meeting**

**to be held during**  
**05<sup>th</sup> to 08<sup>th</sup> February, 2007**



**List of Authors selected for NMRS papers**  
**(oral and poster presentation)**  
**to be presented during 13<sup>th</sup> NMRS meeting**  
**(On 07<sup>th</sup> and 08<sup>th</sup> February 2007)**

Sr. No.	ID. No.	Title	Name	University / Institute	Accepted for
01	SP 01	Heteronuclear Polarization Transfer In Static Oriented System Using A Windowless Multiple Pulse Sequence.	S Jayanthi	IISc, Bangalore	ORAL
02	SP 02	Triple Resonance Solid State NMR Experiments For <sup>13</sup> C And <sup>15</sup> N Labeled Proteins In Aligned Samples	Neeraj Sinha	University of California, USA	ORAL
03	SP 03	Investigation of the dynamics of protein and RNA in a protein-RNA complex	R Sapna	NCL, Pune	ORAL
04	SP 04	<i>de novo</i> Design and NMR Study of Helix-Turn-Helix Structure from Short and Robust Mixed Helices Derived From C-Linked Carbo-β-Amino Acids	K Narsimulu	IICT, Hyderabad	ORAL
05	SP 05	Canonical 3-Qubit States, Entanglement And Quantum Decoherence.	Kavita Dorai	IIT, Madras	ORAL
06	SP 06	Coherent Control In NMR	TS Mahesh	University of Dortmund, Germany	ORAL
07	SP 07	NMR Implementation Of Quantum Version Of Ulam's Game	Avik Mitra	IISc, Bangalore	ORAL
08	SP 08	Structure Of A Novel Calcium Binding Protein From <i>Entamoeba Histolytica</i> (Ehcabp2)	Sourajit M Mustafi	TIFR, Mumbai.	ORAL
09	SP 09	NMR Characterization Of The Dynamic Energy Landscape Of Sumo-1	Ashutosh kumar	TIFR, Mumbai.	ORAL
10	SP 04	Low Abundance Single Transition Correlation Spectroscopy	V Ramesh	IIT, Chennai	ORAL
11	SP 11	Role of <i>in vivo</i> MRS in Cancer	Uma Sharma	AIIMS, New Delhi	ORAL

Sr. No.	ID. No.	Title	Name	University / Institute	Accepted for
12	SP 12	Voxel Based Morphometric Study To Assess Age Related Volumetric Changes- A Study In The Indian Context.	Manisha Bhattacharya	INMAS, New Delhi.	ORAL
13	SP 13	<i>In vivo</i> NMR Studies of Neurotransmitter Metabolism in Rat Brain	Anant Patel	CCMB, Hyderabad	ORAL
14	SP 14	Complete Characterization Of Components Of Bile Acids In Human Bile By NMR : A Route For Diagnosis Of Gall Bladder Malignancy	BS Somashekar	SGPGIMS, Lucknow	ORAL
15	SP 15	HR-MAS Spectroscopy Of Oral Cancer Tissues And Their Assessment With Histopathological Examination	AA Sonkar	KG Medical University Lucknow	ORAL
16	P 01	Floquet Theory And Contact Transformation Method For Quadrupolar Nuclei With S=1	MK Pandey	IIT, Chennai	POSTER
17	P 02	NMR Studies On The Regulatory Subunit (ILVN) And The Gamma Domain Of The Catalytic Subunit (ILVB) Of Acetoxy Acid Synthase I.	N Megha Karanth	IISc, Bangalore	POSTER
18	P 03	Experimental And Theoretical Investigations Of The Fluorine CSA Tensor	S Begam Elavarasi	IIT, Chennai	POSTER
19	P 04	<sup>1</sup> H NMR Spectroscopy In The Diagnosis Of <i>Proteus Mirabilis</i> -Induced Urinary Tract Infection	Ashish Gupta	SGPGIMS, Lucknow	POSTER
20	P 05	Metabolic Profile Of Pericardial Fluid Of Congenital And Acquired Heart Diseasepatients: A <sup>1</sup> h NMR Study	Pratima Tripathi	SGPGIMS, Lucknow	POSTER
21	P 06	Biochemical Finger Printing Of The Alkaptonuria Patient's Serum, Blood Clot And Urine: An <i>In Vitro</i> NMR Spectroscopic Study	Pratima Tripathi	SGPGIMS, Lucknow	POSTER

Sr. No.	ID. No.	Title	Name	University / Institute	Accepted for
22	P 07	A Simple Diagnostic Confirmation Of Mitochondrial Diseases By Forearm Exercise Test: A <sup>1</sup> h NMR Based Study	Niraj Kumar Srivastava	SGPGIMS, Lucknow	POSTER
23	P 08	Morphological Analysis In Alcohol Dependents Through Voxel Based Morphometry And Manual ROI Technique.	Manisha Bhattacharya	INMAS, Delhi	POSTER
24	P 09	To Study The Accuracy Of Staging Of Stage I And II Carcinoma Cervix Using Magnetic Resonance Imaging	Namita Singh Saini	INMAS, Delhi	POSTER
25	P 10	Synthesis, Characterization And Antimicrobial Properties Of New Thiosemicarbazones And Their Metal Complexes	Sanjay Annarao	SGPGIMS, Lucknow	POSTER
26	P 11	NMR View Of Conformational Fluctuations In Dlc8 Protein	PM Krishna Mohan	TIFR, Mumbai	POSTER
27	P 12	Backbone Assignment In Ph Denatured Hiv-1 Protease	Manoj Kumar Rout	TIFR, Mumbai	POSTER
28	P 13	Conformational Adaptability Of Truncated Fragments with conserved G-P-G-R Segment In V3 Loop of The HIV- 1	Meena Kanyalkar	KMK College of Pharmacy, Colaba,	POSTER
29	P 14	Implementation Of Liouville Space Search Algorithm On Dipolar Coupled Nuclear Spins	T Gopinath	IISc, Bangalore	POSTER
30	P 15	Effects Of Membrane Active Drugs On <i>In Vitro</i> Glycolysis And Motility Of Spermato Zoa: Propranolol As A Novel Effective Spermicide	Sudha Srivastava	TIFR, Mumbai	POSTER

<b>Sr. No.</b>	<b>ID. No.</b>	<b>Title</b>	<b>Name</b>	<b>University / Institute</b>	<b>Accepted for</b>
31	P 16	Potential Of Diffusion Weighted Imaging In The Differential Diagnosis Of Breast Lesions	Uma Sharma	AIIMS, New Delhi	POSTER
32	P 17	Magnetic Resonance Spectroscopy Of Inflammatory Bowel Disease: Distinguishing Ulcerative Colitis And Crohn's Disease	Uma Sharma	AIIMS, New Delhi	POSTER
33	P 18	Potential Of In-Vitro <sup>1</sup> H NMR Spectroscopy In The Evaluation Of Adult Myopathies	Uma Sharma	AIIMS, New Delhi	POSTER
34	P 19	NMR Based Structural Studies Of The Dsmt3: Sumo From Drosophila Melanogaster	Jyoti Ranjan Misra	TIFR, Mumbai	POSTER
35	P 20	Neural Activation Pattern In Achalasia Cardia Patients During Swallowing	S Senthil Kumaran	AIIMS , New Delhi	POSTER
36	P 21	Structure Of 4'-Epiadriamycin Complexed With D-(Cgatcg) <sub>2</sub> By Proton And Phosphorus-31 Nuclear Magnetic Resonance Spectroscopy	Prashansa Agrawal	IIT Roorkee	POSTER
37	P 22	Double Inept Experiment To Determine The Dipolar Couplingbetween Dilute Spins In Oriented Media	Sankeerth Hebbar	IISc, Bangalore	POSTER
38	P 23	Investigation Of Symmetry Preserving Relaxation Using Long Mixing Time Z-COSY Experiment	Jharana Rani Samal	IISc, Bangalore	POSTER
39	P 24	Solid-State NMR Studies Of Organically Modified Y-Zeolites: Identification Of Individual Q-Units By Heteronuclear And Homonuclear Correlations Methods	Bejoy Thomas	Bejoy Thomas	POSTER

Sr. No.	ID. No.	Title	Name	University / Institute	Accepted for
40	P 25	Characterization of Covalent Linkages in Organically Functionalized MCM-41 Mesoporous Materials by Solid-State NMR and Theoretical Calculations	Yamini Avadut	NCL, PUNE	POSTER
41	P 26	Solid-State NMR Studies Of Organically Modified Y-Zeolites: Identification Of Individual Q-Units By Heteronuclear Correlation Spectroscopy	Uday R Prabhu	IISc, Bangalore	POSTER
42	P 27	Identification Of Novel 12/10- And 11/13-Mixed Helices In $\alpha/\gamma$ - And $\beta/\gamma$ -Hybrid Peptides Containing C-Linked Carbo- $\gamma$ -Amino Acids With Alternating $\alpha$ -And $\beta$ -Amino Acids By NMR Spectroscopy	KVS Ramakrishna	IICT, Hyderabad	POSTER
43	P 28	Abstract hold temporarily, for modification as suggested by the author	Gurpreet Singh	Philips, New Delhi	POSTER
44	P 29	NMR Study Of Carbo-B-Peptides Containing New B-Amino Acids	R Ravi	IICT, Hyderabad	POSTER
45	P 30	Bulk Susceptibility Effects And NMR Chemical Shifts: The Perspective For Molecules To Materials	S Aravamudhan	North Eastern Hill University, Shillong	POSTER
46	P 31	Synthesis And Structural Studies Of Aromatic Juvabion Type Of Insect Juvenile Hormone Analogues	Pamita Awasthi	NIT, Hamirpur	POSTER
47	P 32	$^1\text{H}$ NMR Study Of Molecular Dynamics In Trimethylammonium Trichlorogermanate $(\text{CH}_3)_3\text{N}^+\text{hGeCl}_3^-$	KJ Mallikarjunaiah	Bangalore University, Bangalore	POSTER

Sr. No.	ID. No.	Title	Name	University / Institute	Accepted for
48	P 33	Three-Dimensional Proton MR Spectroscopic Imaging Of Prostate Cancer	NR Jagannathan	AIIMS, New Delhi	POSTER
49	P 34	<sup>13</sup> C Quantitative Estimation. Application Over Small Molecular System Such As Mg(Aa) <sub>2</sub> .Xh <sub>2</sub> o Complexes, Where Aa = Gly, L-Phe, L-Val. Synthesis And Characterization.	PS Subramanian	CSMCRI, Bhavnagar	POSTER
50	P 35	Application Of NMR In Fluid Catalytic Cracking	Babita Behera	IIP, Dehradun	POSTER
51	P 36	Dual Tuned Resonator For High Field MRI	S Tandanki	WP Institute, MA, USA	POSTER
52	P 37	Structure And Dynamics Of Crosslinkable Plastic- Rubber Blend System Based On Poly (Vinyl Chloride) And Epoxide Natural Rubber-25 By <sup>13</sup> C-Cp/MAS NMR Spectroscopy	B Garnaik	NCL, Pune	POSTER
53	P 38	Metabolic Characterization Of Prostatic Tissue By Proton HR-MAS Spectroscopy	Ashish K Saini	KG Medical University, Lucknow	POSTER
54	P 39	<sup>1</sup> H NMR Of Serum And Urine In Patients Of Isolated Renal Trauma	Saurabh Vashishtha	KG Medical University, Lucknow	POSTER
55	P 40	High Resolution Magic Angle Spinning MRS Of Gall Bladder Tissue For Cancer Assessment	Ajay Singh	KG Medical University, Lucknow	POSTER
56	P 41	Discrimination Of Malignant And Benign Ascitis : Metabolic Profile By <sup>1</sup> h NMR Studies Of Ascitic Fluid.	Lukshmi Bala	SGPGIMS, Lucknow	POSTER

Sr. No.	ID. No.	Title	Name	University / Institute	Accepted for
57	P 42	Assessment Of The Metabolic Profile In Alcohol Dependents Through Proton MR Spectroscopy	Shilpy Modi	INMAS, New Delhi	POSTER
58	P 43	Oxidative Metabolism In Men And Women Gastrocnemius Muscle Using <sup>31</sup> p MR Spectroscopy	A Varshney	INMAS, New Delhi	POSTER
59	P 44	Skeletal Muscle Phosphocreatine Recovery Rates In Primary Hypothyroidism : A <sup>31</sup> p MRS Study	Poonam Rana	INMAS, New Delhi	POSTER
60	P 45	Dynamic Perturbations By Single Point Mutation Influence Association Characteristics Of GED Of Dynamin	Dinesh Kumar	TIFR, Mumbai	POSTER
61	P 46	Structural And Dynamic Heterogeneities In Guanidine Denatured State Of GED: All Beta Propensities In An All Alpha Helical Protein	Jeetender Chugh	TIFR, Mumbai	POSTER
62	P 47	NMR Structural Characterization Of M-Crystallin: A Step Towards Unzipping Evolutionary Origin Of Eye Lens Crystallins	Ravi Pratap Barnwal	TIFR, Mumbai.	POSTER
63	P 48	A Microbial Homologue Of $\beta\gamma$ -Crystallin Is Intrinsically Unstructured In Apo Form And Folds Upon Binding Calcium.	AK Srivastava	TIFR, Mumbai	POSTER
64	P 49	Eigen Space Quantum Computation Using Strongly Dipolar Coupled Nuclear Spins	TS Mahesh	University of Dortmund, Germany	POSTER

Sr. No.	ID. No.	Title	Name	University / Institute	Accepted for
65	P 50	A Comparison Of SLF NMR Experiments On Stationary Samples That Utilize Different Homonuclear Dipolar Decoupling Schemes	<b>Bibhuti B Das</b>	IISc Bangalore	POSTER
66	P 51	NMR Structural Studies On Biosynthetically Produced Toxins	<b>Siddhartha Sarma</b>	IISC, Bangalore	POSTER
67	P 52	Heteronuclear Dipolar Decoupling In Solid State NMR: A Tale Of Modulations	<b>RS Thakur</b>	TIFR, Mumbai	POSTER
68	P 53	Diagnostic Value Of Proton Magnetic Resonance Spectroscopy In Breast Diseases	<b>Amit Singhania</b>	CDRI, Lucknow	POSTER
69	P 54	Structural Characterization of Transitional Aluminas by <sup>27</sup> Al Solid State NMR	<b>Vinod Chandran</b>	NCL, Pune	POSTER
70	P 55	<sup>13</sup> C- <sup>1</sup> H HSQC Experiment of Probe Molecules Aligned in Thermotropic Liquid Crystals: Sensitivity and Resolution Enhancement in the Indirect Dimension	<b>Bikash Baishya</b>	IISc, Bangalore	POSTER
71	P 56	Solid State <sup>13</sup> C CP/ MAS Studies Of The Crystallinity And Morphology Of Biodegradable Polymers And Grafted On Multiwalled Carbon Nanotubes (Mwcnts)	<b>Pandey Asutosh Kumar</b>	NCL, Pune	POSTER
72	P 57	Polymerization Of L-Lactic Acid With Various Organotin Catalyst-Stereochemical Aspects	<b>Pandey Asutosh Kumar</b>	NCL, Pune	POSTER

Sr. No.	ID. No.	Title	Name	University / Institute	Accepted for
73	P 58	Conformational Investigation of Two-Dimensional Aromatic Foldamers	PR Rajmohanam	NCL, Pune	POSTER
74	P 59	A water bridge that plays a decisive role in dictating the conformation of a GPGGX mimic	UD Phalgune	NCL, Pune	POSTER
75	P 60	Xylolse binding to Xylanase: An NMR Investigation.	Ganesh Jogdand	NCL, Pune	POSTER
76	P 61	Structural elucidation of propargylated products of 3-substituted-1,2,4-triazole-5-thiols by NMR technique	M Kavitha	NCL, Pune	POSTER
77	P 62	Characterization Of Phosphorous Impregnated ZSM-5 Zeolites By Multinuclear MAS NMR Spectroscopic Techniques.	V Bansal	IOC, Faridabad	POSTER
78	P 63	Investigation of the dynamics of protein and RNA in a protein-RNA complex	R SAPNA	NCL, Pune	POSTER
79	P 64	Development of plate type gradient coil(s) for CW X-band EPR Imaging	K Victor Babu	CLRI, Chennai	POSTER
80	P 65	Solid State NMR Studies On MgAl <sub>2</sub> O <sub>4</sub> Nanoparticles	V Sreeja	NCL, Pune	POSTER
81	P 66	Tuning The $\beta$ -Turn Segment In Designed Peptide $\beta$ -Hairpins: Construction Of A Stable Type I' $\beta$ -Turn Nucleus And Hairpin-Helix Transition Promoting Segments	S Raghothama	IISc, Bangalore	POSTER

Sr. No.	ID. No.	Title	Name	University / Institute	Accepted for
82	P 67	Reducing The Spectral Complexity In Isotropic And Oriented Phases By Spin State Selective Excitation Of Single Quantum Transitions – An Aid To Analyse Complex Proton Nmr Spectra	Bikash Baishya	IISc, Bangalore	POSTER
83	P 68	Towards Structural Characterization Of <i>Plasmodium Falciparum</i> P2 (Pfp2) Protein	MP Barve	TIFR, Mumbai	POSTER

### Note :

All the Oral presentations (SP 01 to SP 15) will be for 15 minutes. Program details will be made available shortly on NMRS website.

The Poster presentation (P01 to P67) session will be of 3 and half hours. Program details will be made available shortly on NMRS website.

### Presentation Guidelines

#### Oral Presentation

All the ORAL presentations will be made in an auditorium having capacity of about 500-550 participants. Please note the following guidelines:

1. Kind request to bring your presentation on CDR (read only) or zip drive and hand it over to NMRS2007 volunteers soon after your arrival.
2. Direct use of personal laptops for making presentation is discouraged in view of issues of compatibilities with the projector system.
3. The conference organizers will provide high quality audiovisual equipment and lighting; however, it is requested to prepare high quality visual aides that can be clearly seen from the back of the hall. We suggest Arial font size of 24 points or larger that can be read on a 15-inch monitor from 10 feet away.

4. The following projection options will be made available to the speakers:

- Laptop + LCD projector
- O/H projector for transparency

### **Poster Presentation**

The objective of the poster session is to give presenters an improved opportunity to share their work and gain feedback on a one to one basis from conference participants. Our goal is to provide a high quality poster session that is comparable to oral sessions in terms of presentation quality.

Please note the following guidelines while preparing your posters:

1. Each poster will be provided with a 1 m x 1 m display board (so that you may use 90 cm x 90 cm poster or smaller) and pushpins and double sided sticking tape. Each poster is assigned a unique poster number and the display boards will contain the number for each poster. No other materials or facilities for poster preparation will be provided at the conference venue.

2. Your poster should be labeled and laid out in a clear and logical format to effectively communicate the results of your work (preferably NOT as a series of A4 pages with 12 point text!). Posters will typically be viewed at distances of 1m to 2m, hence, the text and graphics used should be able to be read at these distances (we recommend text font sizes of 18 point or larger).

3. Posters should be composed of a light weight durable material; use of a matte finish laminate is also encouraged to improve readability. We encourage poster authors to have their work critiqued by colleagues prior to the final printing to ensure you have an optimal layout and easily understood text.

4. We request you to put up all posters before the beginning of the session, especially using time available during lunch/tea break; posters will be organized randomly.

5. The header on the poster should contain the title, author's names and affiliations. The title should be composed of CAPITAL letters at least one inch high. Please provide an abstract as a part of the poster and it is important to underline the presenting author.

6. Use the minimum amount of text possible and describe only what is essential to make your point clear. Be concise, but organize in a logical manner like introduction, experimental methods, results and conclusion. Use large BOLD lettering for readability, but please avoid fancy fonts.

7. Poster presenters will be responsible for putting up and removing their posters and the conference organizers are not responsible for any posters not collected after the take-down time.

8. Presenters are expected to make themselves available during the conference at the time of poster session.

**9. Four best poster / oral presentations will be awarded cash prizes by NMRS.**

**For,  
NMRS2007**

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