

Third International Conference on
“HYDROLOGY AND WATERSHED MANAGEMENT”
with a Focal Theme on
“Climate Change – Water, Food and Environmental Security”
3 - 6 February, 2010 at Hyderabad, INDIA

Venue: Hotel One place, Behind the Kalamandir, KPHB Colony, Kukatpally, Hyderabad

PLENARY SESSION

4th February 2010, 9.00a.m -12.00 noon

Chairman

Dr.P.G. Sastry

Key Note

Dr.R.D.Singh, Dr.Ghosh Bobba, Dr.K.V.Jaya Kumar, Dr.B.Venkateswara Rao, Dr.Paul Pavelic

| S.No | Authors | Title |
|------|---|--|
| 1 | R.D. Singh, Manohar Arora and Rakesh Kumar | Climate Change and Water Adaptation Issues |
| 2 | A. G. Bobba, P. Chambers' Y.R.S. Rao, N.C. Mondal and N. Nagabhatla | Prediction of Nutrients Discharge from Krishna delta to Coast |
| 3 | K.V.Jaya Kumar | |
| 3 | B. Venkateswara Rao, C.Sarala and V.Varalakshmi | Coping with (Climate) change in the catchment Hydrology |
| 4 | Dr.Paul Pavelic | Mitigating Wastewater Impacts On India's Urban Waterways Via Passive Subsurface Treatment Technologies: Drawing Upon Experience From Australia |

TECHNICAL SESSION-I
GROUNDWATER QUALITY

4th February 2010, 12.00-pm-1.45 p.m and session continues from 2.30 p.m to 4.30 p.m

Chairman
Dr.Y.Sudhakar Reddy

Co-Chairman
Dr.S.C.Puranik

Keynote
Dr.S.M.Rao

| S.No | Authors | Title |
|-------------|---|--|
| 1 | N.K.Joseph , V.P.Dinesan & A.B.Anitha | Hydrogeology And Hydrochemistry Of Rampatna Watershed In The Semi Arid Region Of Karnrtaka State. |
| 2 | Haseena T. H, Aswathy S Lal, Ancy P And Narasimha Prasad N. B | Groundwater Environment In Different Physigraphic Regions Of Kerala – A Case Study |
| 3 | K. Brindha, R. Murugan, R. Rajesh And L. Elango | Sources Of Fluoride In Groundwater In Parts Of Nalgonda District, Andhra Pradesh, India |
| 4 | Dr. Pandith Madhnure | Occurrences Of High Fluoride In Deeper Aquifers Of Hingoli District Maharashtra |
| 5 | Susmita Sen Gupta, Krishna G Bhattacharyya | Natural And Modified Kaolinite As Adsorbents For Phosphate In Water |
| 6 | Ajoy Barman And Krishna G Bhattacharyya | Seasonal Variation In Arsenic And Fluoride Occurrence In The Ground Water Of Srijangram Block, Bongaigaon District, Assam, India |
| 7 | Basanta Kumar Das And Krishna G. Bhattacharyya | Assessment Of Ground Water Quality In The Tribal Dominated Areas Of Kokrajhar District Of Btad, India |
| 8 | Nayan Jyoti Khound And Krishna G Bhattacharyya | Water Quality Assessment Of Shallow Aquifers In The Jia-Bharali River Basin, Assam, India |
| 9 | Deepesh Machiwal, Madan K. Jha And B.C. Mal | Characterization Of Groundwater Quality In A Hard-Rock Aquifer System By Using Multivariate Statistical Techniques |

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| 10 | T. Mikunthan And C. S. De Silva | Sources And Extent Of Groundwater Pollution In Shallow Aquifer: A Case Study From Jaffna District, Sri Lanka |
| 11 | R.N.Tiwari And Amit Kumar Singh | Groundwater Quality And Pollution Of Mahana River Basin, Rewa District, Madhya Pradesh, India |
| 12 | P.Loganathan | Impacts Of Agricultural Practices On Water Quality Of Agro Wells In Kanthapuram Area In Vavuniya District |
| 13 | Prof. Madan Mohan Bag | Ground Water Quality And Its Pollution : A Case Study Of Bankura District, West Bengal. India. |
| 14 | K.Ramesh And L. Elango | Groundwater Quality And Its Suitability For Domestic And Agricultural Use In Tondiar River Basin, Hard Rock Region, Tamil Nadu, India |
| 15 | Carmelita Nishanthiny, S. And Thushyanthy, M. | Geochemical Analysis Of Groundwater And Its Quality Assessment: A Case Study, Jaffna, Sri Lanka. |
| 16 | A.K.M. Munirul Haque, Dilara Hossain, M. Sarwar Jahan And Md. Abul Kalam Azad | Impacts Of Shrimp Culture On The Surface And Ground Water Quality Of The South-Western Part Of Bangladesh: A Case Study In Three Upazilas (Sub-Districts) |
| 17 | Subin K. Jose, Santhosh Kumar R, S.Rajendran, Shiju. Chacko, G.Madhu | Geoinformatics A Novel Tool For Groundwater Pollution Modelling And Management – A Case Study In The Keecheri Watershed Region Of Western Ghats, Kerala, India. |
| 18 | Sujana Dhar, Shubhashish Das, Amlan Jyothi Kar & Asis Mazumdar | Surface And Ground Water Quality Exploration Of The Piyali River In The Sundarbans. |
| 19 | G.Pochaiah And Y.Sudhakar Reddy | Impact Of Coal Mining Activities On Surface And Ground Water In Kothagudem Coal Field Area, Khammam Dist, A.P. India |
| 20 | V.Raghu And K. Mruthyunjaya Reddy | Influence Of Landforms And Geological Formations On The Concentration Of Fluoride In Ground Water, Anantapur District, Andhra Pradesh, India – An Integrated Remote Sensing And GIS Based Study |
| 21 | R. Murali, C. N. Murthy | Studies On The Transport Of A Dye Contaminant In Soil Subsurface By Natural Colloids |

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| 22 | P.Ravi Babu and Smt.C.Sarala | Geochemical Analysis of Ground Water and Its Qualitative Assessment of GHMC Solid Waste Leachate: A Case Study from Municipal Solid Waste Dumping Site near Jawaharnagar, Hyderabad |
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TECHNICAL SESSION-II
HYDROLOGIC PARAMETER ESTIMATION AND MODELLING
4th February 2010, 12.00-noon-1.45 p.m and session continues from 2.30 p.m to 4.30 p.m

Chairman
Dr. V.N.Wakpanger

Co-Chairman
Dr.K.Ramamohan reddy

Keynote
Dr. Murty BS

| S.No | Authors | Title |
|------|---|--|
| 1 | Deepa Chalisgaonkar | Concepts For Web Based Spatial Decision Support Systems (Websdss) For Water resources Management |
| 2 | Mr.Palakshappa.K.,Dr.M.K.Nagaraj, Dr.A.V.Shivapur | Studies On Evapotranspiration Models For Ranebennur Region In Haveri District Karnataka |
| 3 | Pravendra Kumar And J.K.Singh | Transfer Function Based Runoff Prediction Conceptual Model For A Small Watershed |
| 4 | Sudhakar Sharma, Dr.A.K.Singh | Regional Flood Frequency Analysis Of Annual Discharge Data Of Lower Tapi Basin Using Gumbel's Mathematical Model |
| 5 | Saeid Shabanlou | Management Of Forecasting And Flood Encroachment And Determine Critical Bounds In Golestan Rivers With GIS |
| 6 | D.R.Kothawale | Performance Of All-India Monsoon Rainfall When Monthly Rainfall Reported As Deficient/Excess During 1871-2008 |
| 7 | Jairaj.P.G. And Sumi.R. | Modelling Of Geomorphological Instantaneous Unit Hydrograph By Fractal Concept |

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| 8 | R.Venkata Ramana | Application Of GIS And SWMM To Urban Runoff Simulation Of Patna Town |
| 9 | N.Vivekanandan | Fitting Of Annual Maximum Discharge Using Frequency Analysis For Estimation Of Flood |
| 10 | Srutiverma | Mathematical Modelling Of Channel Aggradation And Degradation |
| 11 | Raneesh.K.Y. And Santosh.G.Thampi | Evaluating The Sediment Yield Estimation Potential Of Swat On An Agricultural Watershed |
| 12 | Dr.Narendra Agrawal, Dr.M.K.Verma, Dr.M.P.Tripathi | Hydrological Modelling Of Arang Watershed Using Weather Generator In The Swat Model |
| 13 | B.Venkateswara Rao. V.Varalakshmi, B.Satyanarayana | Estimation Of Drainage Network Characteristics For The Catchments Of Himayatsagar And Osmansagar Reservoirs-Hyderabad |
| 14 | Yamuna Singh And D.P.Dubey | Estimation Of Hydrologic Parameters Of Vindhyan Aquifers In Central India |
| 15 | S.D.Bansood | The Circulation Index And The Flood And Drought Condition Over India |
| 16 | Krishna Murthy.B.R. And G.Abbaiiah | Determining Suitable Probability Distributions For Rainfall Series Of Andhra Pradesh, India. |
| 17 | C.Sarala, B.Venkateswara Rao, K.V.Jayakumar | Studies On Changes In Rainfall- Runoff Relationship Due To Changes In Land Use- A Regional Case Study On Krishna Basin |
| 18 | Rajesh Nune, Biju George And Andrew Western | A Separation Of Climatic And Anthropogenic Impacts On Stream Flows In The Upper Musi Catchment, India. |
| 19 | Mohammad Muzzammil, Javed Alam | Neural Networks Approach To The Flood Frequency Analysis For Indian Rivers |

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| 20 | B. Venkateswara Rao,Rajesh Nune And V. Varalakshmi | Analysis Of Returnflows From Canal Command Area Between Nagarjunasagar Reservoir And Prakasam Barrage |
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TECHNICAL SESSION-III

Climate Change, Water, Food & Environmental security

4thFebruary 2010, 12.00-noon-1.45 p.m and session continues from 2.30 p.m to 4.30 p.m

Chairman
Prof.T.Sivaji Rao

Co-Chairman
Dr.S.Jeevananda Reddy

Keynote
Dr. R. Krishnan

| S.No | Authors | Title |
|------|--|--|
| 1 | R. V.Galkate,T.Thomas,R.P.Pandey,S.Singh and R.K.Jaiswal | Drought Study In Chhindwara District Of Madhya Pradesh,India |
| 2 | P.R.Reddy | Climate Change - What To Do? |
| 3 | Hamed Jamshidi, Mehdi Rezaeian Zadeh, Ali Asghari Tabrizi, Hiran Abghari, Vijay P. Singh | Drought Forecasting By Multi Layer Perceptron Network In Different Climatology Regions |
| 4 | S.S.Dugam | Effect Of Global Warming And Aerosol Concentrations On Indian Monsoon Rainfall Over Different Homogeneous Regions |
| 5 | S.M.Bawiskar and M.D.Chipade | Weakening Of Zonal Temperature Gradient Between Indian Landmass And Neighbouring Oceans And Its Impact On Indian Monsoon |
| 6 | C.V.Naidu, K.Durgalakshmi, G.Ch.Satyanarayana, L.Malleswararao and A. Mutyalanaidu | Variability Of Summer Monsoon Rainfall Over India-Connections With Climatic Indices |

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| 7 | A.A.Munot | Some Aspects Of Interannual Variability Of Summer Monsoon Rainfall Over Andhra Pradesh |
| 8 | K.Syamala Devi , A.V.V.S.Swamy | Food Security Under Threat In 21 st Century In India With The Climatic Change. |
| 9 | Mrs.Sanskriti S.Mujumdar and Dr.Arvind S.Patel | Analysis Of Rainfall Pattern For Bhuj Taluka Of Kachchh District-Gujarat State |
| 10 | Dr.A.K.Viswakarma and Y.K.Laad | Environment Management Of Water-Resources For Growth And Sustainable Water Security |
| 11 | K.Bhaskara Rao | Forecasting Of The Onset Of The Southwest Monsoon Over India |
| 12 | Dr.L.K.Bisoyi | Disaster Of Climate Change In India-Impact On Water Resources, Environment, Health And Food Security-A Case Study Of Orissa On Impacts Of Temperature And Water Resources. |
| 13 | Chandrabhan Singh | Conservation Of Rivers And Lakes: Global Water Resources Assessment. |
| 14 | Mr.V.E.Gosavi, Ms.A.P.Yawatkar | Addressing Nexus Between Climate Change, Water, Environment, Agricultural And Food Security- Issues And Challenges In India. |
| 15 | R. Nagarjuna kumar, K. Srinivas Reddy, M.S.Nathawat | Impact Of Climate Change On Future Water Requirements Of Fruit Crops-A Review |
| 16 | Neeraj Kumar Bhatnagar and Anil Kumar Lohani | Impact Of Climate On Change On Water Resources Of South Asia; Special Focus On India |
| 17 | B.Venkateswara Rao , S.S.Chandra Bharadwaz, N.Srinivasa Rao, B.V.S. Amathya | An Analysis Of Cloud Seeding Operations For Rainfall Enhancement Over Rain Shadow Region Of Andhra Pradesh |

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| 18 | S. D. Khobragade , C. S. P. Ojha and R. D. Singh | Possible Impact Of Global Warming On Future Evaporation Rates From Lakes In Udaipur Region, India |
| 19 | Narayan P Gautam ^{1*} , Manohar Arora ² and N K Goel ³ | Climate Change and its Study by using GCM Downscaling |

TECHNICAL SESSION-IV
GROUNDWATER EXPLORATION & EXPLOITATION
5th February 2010, 9.00a.m. to 11.15a.m

Chairman
Prof.S.D.Limaye

Co-Chairman
Sri.A.D.Rao

Keynote
Sri.B.M.Murali Krishna Rao

| S.No | Authors | Title |
|------|--|--|
| 1 | A.D. Rao, | Access to green and blue waters in Water scarce situation in India |
| 2 | Mahesh B.U.Rao , Dr.S.K.G.Krishnamacharyulu and Dr.V.S.Singh | Geomorphic Evolution Of Krishna Delta And Its Impact On Ground Water Resources |

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| 3 | Dewashish Kumar , N.S.Krishnamurthy , V.Ananda Rao, E.Nagaiah, D.Malles and Shakeel Ahmed | Joint Analysis Of Magnetic Susceptibility And Resistivity In Precise Delineating The Lithology In Deccan Traps For Groundwater |
| 4 | P.N.Rao and G.Sudarshan | Fracture Frequency And Yield Characteristics In Granitic Terrain, Andhrapradesh, India |
| 5 | P.N.Rao | Coastal aquifer systems in andhra pradesh – An overview |
| 6 | Rajat Agarwal , Shakir ali, Shipra Verma and P.K.Garg | Groundwater Potential Mapping Of Ramganga Catchment In Uttarakhad State:A Remote Sensing And GIS Database Approach |
| 7 | I.I.Shah and Md.Babar | Application Of Remote Sensing And Geomorphic And Characteristics For Groundwater Prospect Zones In Tawarja Sub-Basin, Latur District , Maharashtra, India |
| 8 | R.B.Muley , Md.Babar, S.M.Atkore and B.B.Ghute | Application Of Geology And Remote Sensing In The Groundwater Potential Zones In Drought Prone Areas Of Parbhani District , Maharashtra , India |
| 9 | S.Arunachalam, Dr.Suresh babu | Modelling Of Groundwater Potential Zones Using IRS-P6, LISS-IV Data-A Case Study For Hosur Union |
| 10 | Mrs.C.G.Hemamalini , Dr.M.Krishnaveni | Integrated Remote Sensing And GIS In Demarcation Of Groundwater Prospective Zones And Identification Of Recharge Sites In Ambur Minor Basin |
| 11 | Dr. P. G. Jairaj and R . Sumi | Hydrologic Implication Of Fractal Dimensions |

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| 12 | B. Venkateswara Rao, K.Subramanyam, E.S.R.C.Murthy, V.Varalakshmi and B.Satyanarayana | Problems and Prospects of Geophysical Methods in Identifying Groundwater Potential Zones of Hard Rocks |
| 13 | Prof.M.V.Subba Rao | Groundwater Resources Management By Rainwater Harvesting, Water Conservation And Management |
| 14 | B.Venkateswara Rao, V.Varalakshmi and Y.Siva Prasad | Resistivity 2D Imaging in granites and Basalts of Andhra Pradesh |
| 15 | S.N. Rai, Y. Ratna Kumar and S. Thiagarajan | Deciphering ground water potential zones in a Deccan trap region |

TECHNICAL SESSION-V
COMPUTATIONAL METHODS IN HYDROLOGY
5th February, 2010, 9.00-am-11.15 a.m

Chairman
Prof.Jagmohan Das

Co-Chairman
Dr.Ellam Raj

Keynote
Dr. Umamahesh V. Nanduri

| S.No | Authors | Title |
|------|---------------------------------------|---|
| 1 | B.D.Kulkarni,S.S.Mulye And S.Nandargi | Time Distribution Analysis At Selected Stations In The Siang Basin In India For Computing Probable Maximum Floods(PMF) From Probable Maximum Precipitation(PMP) |
| 2 | B.Krishna And Y.R.Satyaji Rao | Assessment Of Water Availability For The Changed Rainfall Pattern |
| 3 | Venkatash Uddameri And Jhumoor Biswas | Assessing The Dependence Between Stream flows And Rainfall In Bhagirathi River, West Bengal Using Copula Theory. |

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| 4 | Seema Narain And Ashu Jain | Hydrological Modelling-An Approach With Neutral System Models And Their Sensitivity To Initial Solution |
| 5 | B.Preethi And J.V.Revadekar | Summer Monsoon Rainfall And Kharif Food grain Yield In India |
| 6 | S.M.V.Sharief , T.I.Eldho And A.K.Rastogi | Elitist Genetic Algorithm Based Evolutionary Algorithm For Groundwater Contaminant Remediation Using Pump And Treat |
| 7 | P.Satyanarayana And V.V.Srinivas | Summer Monsoon Drought Severity- Areal Extent- Frequency Curves For India |
| 8 | Pori Das,Amit Kumar Dubey And Subashisadutta | Probabilistic Runoff Generation In Macropore Dominated Land Use And Land Cover |
| 9 | V.S.Pardhan And Dr.D.G.Regulwar | Determination Of Optimal Operating Policies Of A Single Multipurpose Reservoir By Fuzzy Linear Programming |
| 10 | C.Jenifa Latha And Dr.K.Palanichamy | Spatial Water Balance Model Using GIS And Fuzzy Logic |
| 11 | Krishna Murthy B.R. And G.Abbaiiah | Stochastic Modelling Of Annual Rainfall Series Of Andhra Pradesh,India. |
| 12 | Purnima Mishra And R. R. Babu | Simple User Interface For Design And Cost Estimation Of Contour Trenches For Rehabilitation Of Non-Arable Degraded Lands In India |
| 13 | S. D. Khobragade, C. S. P. Ojha And A. R. Senthil Kumar | Estimating Vapour Pressure From Temperature And Humidity Data Using Ann Technique |
| 14 | K.Shashikanth, P.Rajsekhar | Hydrological Investigations In The Environmentally degraded Attappady Valley Watershed |
| 15 | Ms. Suvarna R Shah, Dr. J.N.Patel | Study Of Flood Disaster At Vadodara City,Gujarat,India. |

TECHNICAL SESSION-VI
SOIL & WATER CONSERVATION TECHNOLOGIES
5th February, 2010, 9.00-am-11.15 a.m

Chairman
Dr. Uttam C. Sharma

Co-Chairman
Dr. P.K.Misra

Keynote
Dr. Prabhakar Pathak

| S.No | Authors | Title |
|------|---|--|
| 1 | Manish Kumar , R.N.Sharma, And N.K.Toorrrary | Watershed Projects In District Jangiri- Champa Of Chattisgarh State: A Case Study |
| 2 | Dr.Mrs.S.S.kulkarni , Mr.M.M.Mujumdar and Mrs.V.A.Swami | Soil And Water Conservation Through Simple Techniques-A Case Study |
| 3 | S.K.Uttam And P.N.Yadav | Effect Of Nutrient Management And Moisture Conservation Practices On Mustard Under Rain fed Condition |
| 4 | R.P.Singh, S.C.Katiyar And S.Kumar | Effect Of Moisture Conservation Practices As Influenced By Mustard Varieties Under Rain fed Condition |
| 5 | U.C.Sharma And Vikas Sharma | Traditional Wisdom Of Tribal People In Rainwater Management Through Participatory Approach For Food Security |
| 6 | Sanjay Arora, R.D. Gupta and V.K. Jalali | Rainwater Management Through Watershed Management Approach For Soil Conservation And Productivity In Submontaneous Tract Of Jammu Region |
| 7 | M.S.Pendke | Standardization Of Field/Peripheral Bund Designs In Assured Rainfall Region |
| 8 | P.V.Singh, Akhilesh Kumar, Mohd.K A Beg And Avinash Gupta | Graphical Solution For Graded Bund Design |
| 9 | K.P.Tripathi And V.N.Sharda | Hydrological Changes In The Selected Watersheds Of India During 21 st Century As A Result Of Climate Change |

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| 10 | Purnima Mishra, B.Venkateswara Rao And R.R. Babu | Design Of Farm Pond For Sustainable Crop Production In Rain fed Black Soils Of North Telangana Region Of India |
| 11 | S.D.Limaye | Sustainable Management Of Percolation Tanks In Semi- Arid, Basaltic Terrain In Western India And The Role Of UNESCO-IUGS-IGCP Project ‘Grownet’ |

TECHNICAL SESSION-VII
GROUNDWATER RECHARGE & MODELLING
6th Febraury 2010, 9.00-a.m-11.15 a.m

Chairman
Dr. S.N.Rai

Co-Chairman
Prof.N.V.B.S.S.Prasad

Keynote
Sri. V.V.S.Gurunadha Rao

| S.No | Authors | Title |
|-------------|--|--|
| 1 | V.V.S. Gurunadha Rao, B.A. Prakash and K. Mahesh Kumar | Surface Water & Ground Water Quality Monitoring For Restoration Of Urban Lakes In Grater Hyderabad, India |
| 2 | J.Siddhardha Kumar& D.Subba Rao | Impact Of Artificial Recharge Structures On Ground Water In Drought Prone Pulivendula Area, Kadapa District, Andhra Pradesh - A Case Study |
| 3 | Dinesan V P,N.K.Joseph & S.P.Rajagopalan | Yield And Recovery Characteristics Of Hand Dug Wells In Different |
| 4 | A. G. Bobba, B. V. Rao, S.N Rai And C. Sarala | Mathematical Model of Nuclear waste solute transport through Fracture Porous Matrix |
| 5 | A. G. Bobba , V.P. Singh And B. V. Rao | Evaluation Of Groundwater Contamination Model Errors |

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| 6 | A.B.Anitha, A.Shahul Hameed & N.B.Narasimha Prasad. | Strategies For Water Resources Development Of A River Basin In Humid Tropical Region. |
| 7 | C.Sarala, M.Sarada | Groundwater Flow Model Of Upper Musi Basin, Andhra Pradesh |
| 8 | V.Varalakshmi, B.Venkateswara Rao, L.Suri Naidu and m.Tejaswi | Ground water Flow model of Osmansagar and Himaytsagar Reservoirs catchment area, Hyderabad-India |
| 9 | B. Venkateswara Rao, K.Pavankumar | Evaluation of Recharge from Reservoirs Using Stable Isotopes In the Catchment Area of River Musi, Hyderabad- India |
| 10 | L. Surinaidu, V.V.S. Gurunadharao, P.S. Acharya, M.Venktrayudu, M. Ramesh, G. Thammarao, J.Mahesh, B. Rajasekhar, Y.Prasanti, and G. Ramesh | Groundwater Information System For Farmers & Policy Makers |

TECHNICAL SESSION-VIII
Irrigation Management
5thFebruary 2010, 11.30a.m-1.45 p.m

Chairman
Dr. P.B.S.Sarma

Co-Chairman
Dr. P. Babu Rao

Keynote
Dr.K.Karunakaran

| S.No | Authors | Title |
|---------|--|--|
| 1(paid) | G.J. Patel, A.S.Patel, R.A. Patel , S.U.Zala & R.P.Kacha | Feasibility Of Drip Irrigation With Mulching In Castor |

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| 2 | A.K Singh, M.S.Rama Mohan Rao & W.Murlidhar | Impact Of Watershed Development On Traditional Tank Systems In Semi Arid Region Of Karnataka– A Case Study |
| 3 | S.Vishnu Vardhan, G.Venkata Reddy And Ch.Sreenivas | Estimation Of Water-Use Efficiecy In A Sub-Surface Drainage System Installed Pilot Area In Godavari Western Delta – India. |
| 4 | Ananthini Nanthakumaran ¹ And K. Palanisami ² | Improving The Performance Of Tank Irrigation With Ground Water Use In Tamil Nadu |
| 5 | N. Vivekanandan | Optimization Of Cropping Pattern Of Upper Indravati Irrigation Project Using Linear Programming Approach |
| 6 | V.M. Devappa,P. Khageshan,S.R.Mise | Irrigation And Its Management- Study Of Bidar District Of Karnataka (India) |
| 7 | F. P. Parekh D. T. Shete | Irrigation Scheduling For Cauliflower - Water Balance And Dual Crop Coefficient Approach |
| 8 | Kaleem Ullah, Mohsin Hafeez, Josh Sixsmith And Ralph Faux | Integration Of Remote Sensing Derived Actual Evapotranspiration With Spatial Water Balance Model In A Demand Driven Irrigation System |
| 9 | P.N. Yadav And S.K. Uttam | Effect Of Moisture Conservation Practices On Lentil Based Intercropping System With Linseed Under Moisture Stress Condition |
| 10 | B.Anuradha,B.Rajeswari,N.K.Ambujam, K.Karunakaran | Impact Of Irrigation Tank Rehabilitation On Water Productivity In Peri-Urban Areas – A Case Study In Tamilnadu |
| 11 | A.Deivalatha Dr. N.K.Ambujam Dr.K.Karunakaran | Conceptual Model Of Technology Based Decision Making Fortank Irrigation Development |
| 12 | M.Ram Nagesh | Eco-Friendly Water Supply Arrangement for Irrigation & Crop Cultivation Minimizing Dependence on Electrical Power and Fossil Fuels |
| 13 | Arpita Ghosh | Participatory Irrigation Management In The Mayurakshi Canal Command Area |

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| 14 | Rafael Schmitt, Priyanie Amerasinghe, Paul Pavelic | An integrated methodology to assess and maximise groundwater and crop-productivity in a small scale approach. |
| 15 | S.D.Limaye | Cleaning-up of Pollution in Rivers |

TECHNICAL SESSION-IX
WATERSHED MANAGEMENT SOCIO ECONOMIC & CULTURAL MODELS
 5th Febraury 2010, 11:30 a.m - 1:45 p.m

Chairman
 Dr. N.S.P.Rao

Co-Chairman
 Dr.Madarsamad

Keynote
 Prof. K.S Reddy

| S.No | Authors | Title |
|-------------|--|---|
| 1 | Dr.Mohd.Hussain | Multidisciplinary Diagnostic Analysis (M.D.A) Annual Reports, Design Operation Plans (D.O.P), Seasonal Operation Plans(S.O.P) and Actual Implementation of approved seasonal operation plans (A.O.P) as basic tools for integrated water resources management for sustainable crop production in Irrigation Projects: Case studies in Andhra Pradesh of India |
| 2 | Er.U.K.Dhruw, Dr. R.K.Shukla, Dr. D.K.Sharma, Smt. N.Pathak and Dr. S.K.Upadhyay | Identification of training needs through PRA in watershed area at Bachhalikhurd |
| 3 | Dr. Kapileswar Mishra, | Watershedmanagement: A Concept For Sustainable Development |

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| 4 | K. Palakshappa, | People's participation and perception towards watershed development programme – a case study of Itagi watershed |
| 5 | S.P. Singh, Balbir Singh, Akhter Hussain and Juned Akhter | In Situ Watershed Management Through Local Races |
| 6 | Dr.Mohd.Hussain | Basic tools for integrated water resources management for sustainable crop production : Case studies in Andhra Pradesh state of India. |
| 7 | Dr.A.S.Solanki and S.S.Sisodia | Socio Economic constraints analysis and solutions of farmer's participation in Jhakham irrigation project in a tribal belt of Rajasthan |
| 8 | Jalaja T.K., Remani K.N. & Jayakumar P | Impact of Coir Retting on the People and Ecosystem in Selected Areas in Kozhikode District of Kerala |

TECHNICAL SESSION-X

WATER QUALITY POLLUTION & ENVIRONMENT

5th Febraury 2010, 2.30 pm-3.30 p.m and session continues from 3.45 p.m to 6.00 p.m

Chairman
Dr.K.Mukkanti

Co-Chairman
Dr. Razia Sulthana

Keynote
Dr. P.N. Sarma

| S.No | Authors | Title |
|------|--|--|
| 1 | Gajendra Kumar Dautania And Dr. Gajendra Pal Singh | Impact Of Inorganic Composition And Photoperiod On Growth, Morphology And Protein Content Of Blue Green Algae (Spirulina Platensis) Of Rajasthan |
| 2 | A.G.S.Reddy | A Comprehensive Study Of Nitrate Contamination Of Worldwater Resources. |
| 3 | M. Vikram Reddy | Dead Fish Floating On Surface Waters As Good Indicators Of Gross Pollution Of Water In Aquatic Bodies In India |
| 4 | Gaurav Chakrabarty And Ritesh Kumar | Water Quality Assessment Of Jharia Coal Field In Dhanbad District Using Geospatial Tools |
| 5 | M. Vikram Reddy And V. Balram | Hidden Hazardous Pollution Of Urban Lakes In India With Particular Reference To Hussainsagar Lake In Hyderabad (Andhra Pradesh) |
| 6 | Meenakshi Singh, Payal Lodha, G. P. Singh And Rajesh Singh | Seasonal Diatomological And Water Analysis Of Selected Traditional Water Bodies Of Semi Arid Region Of Rajasthan |
| 7 | Chandrabhan Singh | Assessment Of Microbiological Pollution In Mansi Ganga Lake |
| 8 | Ashok Lumb, T.C. Sharma And Jean-François Bibeault. | A Review Of Water Quality Indices (Wqi) |
| 9 | Sarabdeep Kour And Sanjay Arora | Waste Water Use For Irrigation Affecting Soil-Plant-Animal-Human Health |

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| 10 | S. R. K. Rao, B. Vijaya Saradhi, Y. Prasanna Kumar, G. Kalyani | Studies On Removal Of Heavy Metal Ion From Aqueous Solution Using Echinoid As Biosorbent |
| 11 | H.Chandrashekar, Jyothi Roopa, K.V.Lokesh And G.Ranganna. | Characterization Study On Reservoir Water Bodies Fed By Polluted River And Its Effect On Soil And Vegetation (Case Study For Byramangala Tank Fed By Vrishabhavthi River In Arkavathi River Basin) |
| 12 | B. Vijaya Saradhi, S. R. K. Rao, Y. Prasanna Kumar, B. Sumalatha | Removal Of Chromium Metal Ion From Aqueous Solution Using Test Of Sea Urchin |
| 13 | Kshitindra .Kr.Singh ,Mukesh Kr. Mahato, A.G Sangode, Abhay Singh And B.K. Tewary | Chemical Characterization And Quality Assessment Of Mine Water For The Suitability Of Domestic And Agricultural Purposes Of Raniganj Coalfield (West Bengal) |
| 14 | Bidyut Jyoti Sarmah And Krishna G Bhattacharyya | Identification And Environmental Significance Of Heavy Metal Contaminants Found In Urban Runoff Water Of Guwahati City, Assam |
| 15 | Mayur J Mahanta And Krishna G Bhattacharyya | Mobility Of Heavy Metals In Urban Soil: A Case Study At Guwahati, India |
| 16 | Nibedita Kapil And Krishna G Bhattacharyya | Accumulation Of Trace Elements In Plants And Fish Of An Urban Wetland |
| 17 | Mallikarjun. D, Ramoji. G And Srinivas. N | Study On Removal Of Fluoride From Aqueous Solutions By Using Bentonite Clay |
| 18 | M.V.Aditya Nag, Ramakrishna S, Vamshi Dasari, Bharat Kumar Asopa | Quality Improvement Of The Liquid Ring Vacuum Pump Through Design Optimization Technique |
| 19 | Ranjana U K Piyadasa, K D N Weerasinghe, Janitha A Liyanage, L M J R Wijayawardhana | Assessing The Groundwater Quality Variation Due To River Water And Land Use Pattern - Case Study In Right Bank Of Nilwala Basin, Sri Lanka |
| 20 | R. Amarnath Babu | Conjunctive Utilization Of Water Resources For The Better Productivity In Agriculture With Pipe Aquaduct Designed With Galvanized Iron Columns” Khammam District, Andhra Pradesh, INDIA. |

TECHNICAL SESSION-XI
RS &GIS Applications in Water Resources
5th Febraury 2010, 2.30 pm-3.30 p.m and session continues from 3.45 p.m to 6.00 p.m

Chairman
Dr.M.Anji Reddy

Co-Chairman
Sri.J.Venkatesh

Keynote
Dr. V.Jayaraman

| S.No | Authors | Title |
|-------------|--|---|
| 1 | Santosh Kumar R, Subin K.Jose, Shiju. Chcko.G, Madhu, S.Rajendran | Delineating Ground Water Potential Zones In A Semiarid Region Using Geoinformation Technology |
| 2 | P.N.Mahajan, Amita A.Prabhu, R.M.Khaladkar And S.G.Narkhedkar | Multiple Satellite Inputs For Better Management Of Extreme Hydrological Events Over The Indian Region |
| 3 | V.E. Gosavi, Dr. D. Tamilmani, Dr. S. Santhanabosu And Dr. R. Sivasamy | Remote Sensing And GIS Application For Artificial Recharge Of Groundwater In Kalangal Village Of Coimbatore District |
| 4 | B. N. Malleswara Rao | GIS Based Action Plan For Water Resources Management– A Case Study Of A Central India Watershed |
| 5 | Dr. V.E. Nethajimariappan, P. Mohana, G.Balamurugan, T. Niranjankumar & Dr. N. Manoharan | Mapping And Analysis Of Surface Structures Of Watersheds Utilizing Remote Sensing Data And Geospatial Technology |
| 6 | G.Balamurugan, Dr. C.J. Kumanan, Dr.N. Manoharan | Influence Of Landscape Changes And Climatic Variability In Groundwater Resources Mapping In Arid-Region. Using Mutitemporal Remote Sensing Data And Gis Techniques. |
| 7 | G.K.Pakhle And J.P Nale And V.P.Jadhav | Site Selection For Water Conservation Structures In Godavari River Sub Basin Using RS And GIS Approach |
| 8 | Sujata Biswas | Application Of Remote Sensing And GIS In Priority Rating Of Catchments |

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| 9 | A. K. Mishra, K. S. Rawat And Nayan Ahmed | Selection Of Potential Sites For Augmenting Groundwater Recharge In Manesar Nala Watershed In Gurgaon (Haryana) Using RS-GIS Approach |
| 10 | C.Sarala,N.Radhika, P.Mynarbabu | Identification Of Ground Water Prospects For Paleru Sub Basin Using Remote Sensing And GIS |
| 11 | N.Vijaya Kumari | Application Of Remotesensing Techniques For Monitoring Mangroves |
| 12 | Dr. K. Padma Kumari, Prof.K.B.Mahalakshmi, P. Mynar Babu | Remote Sensing Data for Hydro-Morphological Studies In Markapur Area Of Cuddapah Basin In Andhra Pradesh |
| 13 | M.V.Ramana Murty And K.Mruthyunjaya Reddy | Changing Flood Hazard Scenario Around Kolleru Lake, Andhra Pradesh, India - A Remote Sensing And GIS Based Approach |
| 14 | Dr. Md.Babar, Chunchekar R.V. and Ghute B.B. | Hydrogeomorphological Mapping by Remote Sensing Application in Terna River Sub-basin, Latur – Osmanabad Districts, Maharashtra, India |
| 15 | M.V.S.S.Giridhar, S.K.C.Acharyulu and G.K.Viswanadh | Preparation of 3D Surface and Land use/land cover maps- A Geomatic Approach |
| 16 | V. Varalakshmi B. Venkateswara Rao, P.Ravibabu | Effect Of Cropping Area On The Inflows Of Osmansagar And Himayatsagar Reservoirs, Hyderabad-India |

TECHNICAL SESSION-XII

FLOODS, RESERVOIR SEDIMENTATION, CATCHMENT TREATMENT & EIA

5th Febraury 2010, 2.30 pm-3.30 p.m and session continues from 3.45 p.m to 6.00 p.m

Chairman
Sri.R. Viswanatham

Co-Chairman
Dr.R.S.Goel

Keynote
Dr. CLN Sastry

| S.No | Authors | Title |
|-------------|---|--|
| 1 | CLN Sastry | Floods, Reservoir Sedimentation, Catchment Treatment and EIA |
| 2 | V.P.Jadhav & G.K.Pakhale | Hydropower Development And Environmental Issues |
| 3 | Dr. M. Gopal Naik, | Integrated Watershed Modeling For Soil Erosion And Sediment Yield Using Geographical Information System And Remotely Sensed Data |
| 4(paid) | A.G Bobba, P. A. Chambers And D. S. Jeffries | Surface And Groundwater Interactions In The Flood Plain: General Principles |
| 5 | V. Sudha, Dr.N.K.Ambujam,Dr. K. Karunakaran | A Qualitative Assessment Of Reservoir Sedimentation In Tamil Nadu – A Case Study |
| 6(paid) | Ch.Suryanrayana, S.Chandramouli,Dr.K.Rajeswararao | Design Of Unlined Channels Using Tractive Force Method |
| 7 | Miss J.P.Nale And A.A.Atre | Feasibility Of An Instrument For Continuous Monitoring Of Suspended Sediment From Experimental Fields |
| 8 | N. K. Das And N. K. Talukdar | Impacts Of Disastrous Floods Of 2004 In Beki River Basin, Assam, Northeast India |
| 9 | N. K. Talukdar, N. K. Das And S. Kalita | An Investigation On Flood Damage In Barpeta District Of Assam |
| 10 | S. Kalita,N. K. Talukdar And N. K. Das | A Comparative Study Of Floods In Major Rivers Of Barpeta District, Assam |
| 11 | R.K. Jaiswal, T.R Nayak, N.C. Ghosh, T. Thomas, R.V. Galkate And S. Singh | Remote Sensing & GIS Based Assessment Of Revised Capacities In Reservoirs Of Central India |
| 12 | T. Thomas, R. K. Jaiswal, R. V. Galkate, N.C. Ghosh, And S. Singh | Modelling Of Runoff And Soil Erosion Processes In A Degraded Watershed For Development Of A Watershed Management Plan |
| 13 | V. Sudha, Dr. S. Ravichandran,Dr. K. Karunakaran | Assessment Of The Quality Of Sediments In Krishnagiri Reservoir, Tamil Nadu |

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| 14 | Matthew K. Mulengera | Sediment Yield Prediction Under Limited Data Conditions: A Case Study Of Dodoma District Catchments, Tanzania |
| 15 | C.Sarala, G.Pradeepkumar | Sediment Analysis Of Aleru River Catchment |
| 16 | Swadesh Pal | Restriction Of Sedimentation Through Land Use Reform For Revival Of Natural Reservoirs:A Study On Moribund Deltaic West Bengal |
| 17 | Surjit Let | Perception Analysis Of Dwaraka Basin Dwellers On Flood: A Tool For River Basin Management |
| 18 | Kiran Yarrakula, Debasis Deb, Biswajit Samanta | Flood Frequency Analysis of Subernarekha River |
| 19 | G.Prasada Rao And K.Mruthyunjaya Reddy | Study Of Spatial Distribution Of Rainfall And Runoff In Srisailam Reservoir Catchment During October 2009 Floods In Andhra Pradesh, India |
| 20 | Talib Mansoor, M. Athar, S. K. Singh | An Experimental Investigation Of Flow Over Curved Weirs |
| 21 | Ms. Suvarna R Shah, Dr. J.N.Patel | Flood Management – A System For Survival |
| 22 | B.Venkateswara Rao, P.Ravibabu and K.Srinivasa Reddy | Remote Sensing Data Based Soil Conservation Studies To Control Sedimentation In Sriramsagar Reservoir |

TECHNICAL SESSION-XIII
Water & Wastewater Treatment Technologies
 6th Febraury 2010, 9.00-a.m-11.15 a.m

Chairman
Dr.V.R.Akella

Co-Chairman
Dr.Sasikala

Keynote
Dr.K.S. Rama Rao

| S.No | Authors | Title |
|------|---|--|
| 1 | Major Vikrant Ranyal And K.Gopalakrishna | Bioremediation Of Explosive(2,4,6, Trinitrophenol) Contaminated Soil |
| 2 | Deepa K & Dr.K.Karunakaran | Recharge Of Waste Water Using Soil Aquifer Treatment Technique - A Review |
| 3 | Suresh Kumar Pande, Mukarusagara Grace | Impact Of Erosion On Water Treatment In Kimisagara Water Treatment Plant Of Nyarungenge District, Rwanda |
| 4 | Remani.K.N,& Jalaja.T.K. | Removal Of Microbes From Wastewater Using Wetland Plants |
| 5 | Karunarathne.S, Thirukumaran.A.K, Ehamparam.S & Damini.S | Selection Of Effective Substrate To Treat Gray Water In Horizontal Flow Constructed Wetlands. |
| 6 | B.Subha & M.Muthukumar | Effect Of Metabolic Uncoupler (2, 4 Dinitrophenol) For The Reduction Of Excess Sludge Production In Activated Sludge Process Of Food Processing Wastewater |
| 7 | T. Sangeetha And M. Muthukumar | Sustainable Power Production And Effective Cod Removal In An Air-Cathode Microbial Fuel Cell (MFC) Employing Starch-Processing Wastewater (SPW). |
| 8 | Usharani.K, M.Muthukumar And K. Kadirvelu | Laboratory Application Of Ozonation Process In Thetreatment Of Organophosphate Contaminated Wastewater |
| 9 | Dr.S.Radha | Ecological Impact On Cadmium Metal Toxicity & Bioavailabilityto An Anaerobic Bacterium Desulfovibrio Isolated From Fresh Waster Lake Sediments |
| 10 | Er.Manoj K.Varshaney | Disinfected Water- An Easy Approach |
| 11 | Er.Rita Biswas | Deterioration Of Quality Of Water In The Distribution System |
| 12 | Sadanandam P, Srileka V.V.N, Venkata Mohan S, Nageswara Sharma P, Rama Rao K.S, and | Heterogeneous Water Phase Catalysis and Oxide Surface for Bioremediation of Low-Biodegradable Industrial Waste Waters |

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| 13 | Mukkanti K Syeda Azeem Unnisa P.Deepthi And K.Mukkanti | Combined Studies with <i>Dolichos lablab</i> and Solar Disinfection for Treating Turbid Waters |
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TECHNICAL SESSION-XIV
Rainwater Harvesting & Drinking Water Supplies
6th Febraury 2010, 9.00-a.m-11.15 a.m

Chairman
Sri B. Rajeswar Rao

Co-Chairman
Dr.M.Venkataswami

Keynote
Dr. Muralidharan

| S.No | Authors | Title |
|------|--|--|
| 1 | Dr.G.Venkata Rao, S.Chandramouli. | Alternative Proposals For Meeting Water Demand Of Greater Vishakapatnam Muncipal Corporation. |
| 2 | P.Jayakumar,T.K.Jalaja & K.N.Ramani | Rainwater Harvesting A Cost Effective Technology To Alleviate Water Scarcity. |
| 3 | Dr Anil.Kumar | Harvesting Water Resources For Sustainable Livelihood In Hilly Areas Of Uttarakhand, India |
| 4 | K.Murali | Community Based Planning, Implementation And Management Of Gravity Flow Drinking Water Supply System With Quality Assurance In The Extremely Down Trodden And Poverty Stricken Tribal Dominated Hamlets Of Gajapathi District Of Orissa State. |
| 5 | Sudhakar Pardeshi , S. R. Jog , Suchitra Pardeshi | Prospects Of Rainwater Harvesting For Domestic Water Supply In Rural Areas Of Pune District: An Appraisal |

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| 6 | B. Nawarathna, H. Malano, B. Maheshwari And B. George | Integrated Land Use And Multiple Water Supply-Demand Modelling Framework: A Peri-Urban Case Study |
| 7 | B. Venkateswara Rao And Purnima Mishra | A Scheme On On-Farm Rainwater Harvesting For Promoting Sustainable Agriculture And Livelihood Security Of Farmers In Low Rainfall Region Of Andhra Pradesh |
| 8 | Narasimha Prasad, N. B | Hydrogeological Investigation For Communityrural Water Supply Schemes – A Case Study |
| 9 | M.V.Subba Rao | Ground water Resources by Rainwater Harvesting |

TECHNICAL SESSION- XV
WATER PRODUCTIVITY IN AGRICULTURE
6thFebruary 2010, 9.00 am-11.15 a.m

Chairman
Dr.M.Devendar Reddy

Co-Chairman
Dr.B.Singa Rao

Keynote
Dr. Suhas P. Wani

| S.No | Authors | Title |
|------|--|---|
| 1 | Dr. M.K. Rana | Agro-Techniques: For Raising Vegetables Under Arid Conditions |
| 2 | Dr. T.C. Thakur | Improving Water Productivity And Nutrients Use Efficiency Through Soil Cultivation Techniques |
| 3 | K K Vashist, A S Brar, S S Mahal, K S Deol And R K Mahey | Water Productivity Of Rice Genotypes Under Different Dates Of Transplanting In Loamy Sand Soils Of Punjab |
| 4 | Raghuveera Rao P, Saiaja B, Nageswara Rao D, | Effect Of Radiation Use Efficiency (Rue) On Rice Productivity At DRR, Hyderabad And Maruteru, West Godavari |

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| | Subrahamanyam D And Voleti Sr | |
| 5 | U. D. Awasthi, P. N. Yadav, A. K. Tripathi, S. M. Tripathi And Suneel Kumar | Effect Of Fertility Levels On Production Potential, Economics And Moisture Use Efficiency Of Gram (<i>Cicer Arietinum</i>) + Fennel (<i>Foeniculum Vulgare</i>) In Association Under Rainfed Condition |
| 6 | Sailaja B, Nageswara Rao D, Raghuveera Rao P, Subrahamanyam D And Voleti Sr | Effect Of Photothermic Indexing On Rice Crop Growing Stages And Productivity At Different Geographic Locations |
| 7 | Dhiraj Patil, Gajanan Ramteke, Sachin Nandgude And Dilip Mahale | Dry Spell Analysis For Konkan Region Of Maharashtra |
| 8 | Kiran Jella, , Jean- Philippe Venot, Luna Bharati, Biju George, Trent Biggs, Partha Gangadhara Rao, Murali Krishna Gumma, Sreedhar Acharya | Impacts Of Drought On Water Productivity In Large Irrigation Systems |

TECHNICAL SESSION-XVI
Water Logging, Salinisation & Conjunctive Utilisation
6th February 2010, 11.30-a.m-1.45 p.m

Chairman
Dr.Shakeel Ahmed

Co-Chairman
Dr. G.K. Viswanadh

Keynote
Dr.Kaarmegham

| S.No | Authors | Title |
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| 1 | S. M. Monjurul Alam | Soil Degradation In Terms Of Clay-Depletion In Topsoil In The Barind Tract, Bangladesh: Verification And Comparison Of Possible Mechanisms |
| 2 | P. Sudhakar And Dr.Shalender Singh | Water logging problems in north western part of India A case study- muktsar district, punjab, india |
| 3 | K.Dwarakanath& G.Sudarshan, | Water Logging And Its Effect In The Upper Reaches Of Sri Ram Sagar Canal Command Area, Andhra Pradesh-A Case Study |
| 4 | Uniadi Mangidi, Biju George, Hector M Malano, Bandara Nawarathna | Water Allocation Modelling To Harmonise Supply And Demand In The Krishna River Basin, India |
| 5 | Dr.H.Mahabaleshwara And Dr.G.Abbaiiah | Inter-Basin Transfers And Resolving Conflicts |

TECHNICAL SESSION-XVII
Seawater Intrusion, Hydrology of Coasts & their Environment
6th February 2010, 11.30-a.m-1.45 p.m

Chairman
Dr.Y.R.Satyaji Rao

Co-Chairman
Dr.S.Chandramohan

Keynote
Dr. Ghosh bobba

| S.No | Authors | Title |
|------|--|--|
| 1 | A. G. Bobba , P.A. Chambers And D.V. Reddy | Estimation Of Groundwater Discharge To Beach |
| 2 | Saurabh N. Shah | Saline Water Intrusion In Aquifers |
| 3 | A.G.Sangode And Kshitindra Kr.Singh | Post Tsunami Sea Water Intrusion In Beaches |

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| 4 | K.C.B.Raju, J.S.Gosalia & Shivraj Gadhvi | Coastal Salinity Prevention And Mitigation Initiative In Mundra Taluk ,Kutch District Gujarat. |
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TECHNICAL SESSION-XVIII
Watershed Management, Hydrological & Bio Physical Models
6th February 2010, 11.30-a.m-1.45 p.m

Chairman
Dr K. Tirupaiah

Co-Chairman
Dr.Datta Shivane

Keynote
Dr.B. Venkateswarlu

| S.No | Authors | Title |
|------|-------------------------------|--|
| 1 | Hiral Devani And A.K. Sharma | Modeling Surface Water Scenario Using Remote Sensing And Gis In Nag And Bhukhi Watersheds, Western India |
| 2 | Balbir Singh And Atul Chandra | Studies On Nutrient Status Of Aonla Orchard Soils In Sikar District Of Rajasthan |
| 3 | Dr. Suraj Bhan | Watershed Development: Adaptation Strategy For Climate Change |
| 4 | M J Singh And K L Khera | Community Managed Bio-Industrial Watershedsfor Sustainable Use Of Natural Resources |
| 5 | A. Zaman And S. K. Patrta | Watershed Approach Towards Integrated Water Resources Management And Agricultural Sustainability |
| 6 | Malay Mukhopadhyay | Management Of Hydro-Morphological System Dynamics For Wise Use Of Watershed |
| 7 | Dr.S.C.Puranik | Water and Human Body |

COLLOQUIUM ON
“PEOPLE’S TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT”
6th February 2010, 2:30 p.m – 3:45 p.m

Chairman
Dr V.V.Jaganadha Sarma

Co-Chairman
Dr.K.A. S. Mani

Keynote
Dr.Geoff Syme

| S.No | Authors | Title |
|-------------|---|--|
| 1 | G. J. Syme, B. F. W. Croke, V. Ratna Reddy, R. Ranjan, P. Pavelic, N. Herron, K.V. Rao and S. Ahmed | Integrated Assessment of Meso-Level Watershed Development: Progress of an Integrated Evaluation Project in Andhra Pradesh. |
| 2 | Popatrao Pawar | Ground Water Conservation and Governance in Hivre Bazar |
| 3 | V.Ranga Rao | Ground Water Conservation |