



SPICES NEWS




Volume 13 (1&2) January - December 2002

IISR
 NL-21

DR. V.A. PARTHASARATHY-NEW DIRECTOR OF INDIAN INSTITUTE OF SPICES RESEARCH, KOZHIKODE

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 Dr. V.A. Parthasarathy former Head, Division of Crop Improvement, Central Plantation Crops Research Institute, Kasaragod has taken over as new Director of Indian Institute of Spices Research, Kozhikode w.e.f 17 August 2002.

A biotechnologist and horticulturist of repute, Dr. Parthasarathy is a recipient of ICAR Team Award in Horticulture (as leader) during 2002 and was also awarded DBT Overseas Associateship for visit to USA. He has more than 25 years of research experience in horticulture/plantation crops like citrus, vegetables, gerbera, gladiolus and coconut.

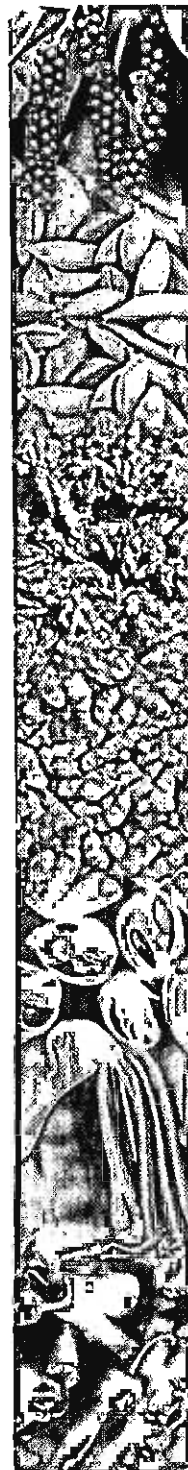
An expert in biotechnology and breeding

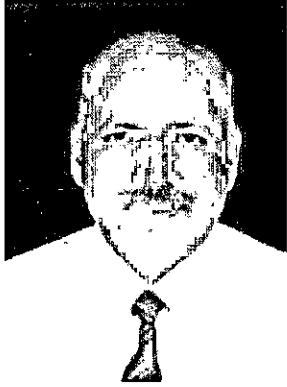


Dr. V. A. Parthasarathy

of horticultural crops, Dr. Parthasarathy has published over 150 research articles in national/international journals, edited 10 books and contributed about 25 chapters to different books. He also guided many Ph.D students. He has visited many countries like USA, UK, Sri Lanka and Mexico.

Dr. K.V. Ramana, Head, Division of Crop Protection was the acting Director of IISR, Kozhikode till the joining of Dr. V. A. Parthasarathy.



NEW POSITIONS**Dr. V.S. Korikanthimath - New Director of ICAR Research Complex, Goa**

Dr. V.S. Korikanthimath

Dr. V.S. Korikanthimath, Head, Crop Production Division, IISR, Kozhikode left the Institute to take up the new assignment of Director, ICAR Research Complex, Goa. Dr. Korikanthimath is the President of Indian Society for Spices. 'Spices News' congratulate Dr. Math!

New Project Coordinator (Spices)

Dr. K.V. Ramana

Dr. K.V. Ramana, Head, Division of Crop Protection, Indian Institute of Spices Research, Kozhikode has taken over as Project Coordinator Spices w.e.f 15 November 2002. Dr. Ramana a nematologist of repute was responsible for identifying nematode pests of major spices, developing nematode control measures besides his

contribution. Thin developing the nematode resistant black pepper variety 'Pournami'.

RETIREMENTS

Dr. Y.R. Sarma

Dr. Y.R. Sarma, Director, Indian Institute of Spices Research, Kozhikode retired from the service of the Council on superannuation w.e.f 31 May 2002, after serving as Director for about 2 years. A recipient of many awards, Dr. Sarma spent his entire service for the cause of spices.



Dr. P.N. Ravindran

Dr. P.N. Ravindran, Project Coordinator (Spices) retired form Council's service w.e.f 30 April 2002 on superannuation. Dr. Ravindran a recipient of ICAR Team Award (Horticulture) during 1996, also

served as Acting Director and Head of Crop Improvement & Biotechnology Division, IISR, Kozhikode, prior to his assignment as PC (Spices).



K. Balan Noir

Sri. Balan Nair, K., Driver (T4) retired from the service of the Council w.e.f. 31.10.2002.

Dr. A. K. Sadanandan completed tenure

Dr. A. K. Sadanandan, completed the 2 year tenure of Emeritus Scientist. A distinguished soil scientist, Dr. Sadanandan served as Emeritus scientist at Indian Institute of Spices Research, Kozhikode after his superannuation from ICAR service.

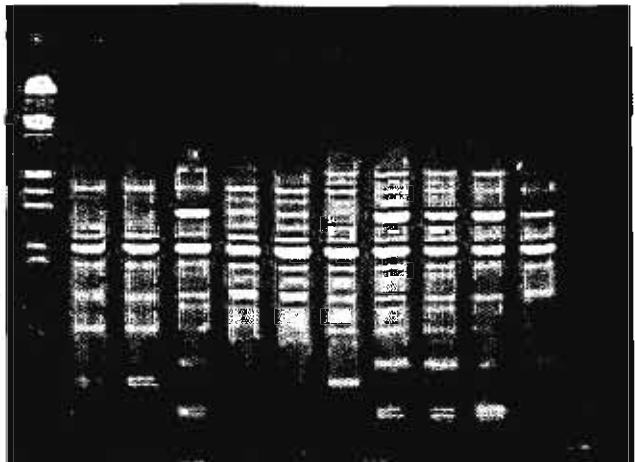
RESEARCH HIGHLIGHTS

New spices varieties.

The 21st State Seed Subcommittee Kerala approved for release and notification the ginger varieties "IISR Mahima" and "IISR Rejatha" as well as nutmeg variety "IISR Viswasree" from Indian Institute of Spices Research, Kozhikode.

Isolation of DNA from rhizomes of turmeric and ginger

Good quality DNA amenable to restriction digestion and PCR amplification was isolated from rhizomes of turmeric and ginger.



PCR amplified turmeric rhizome DNA

Direct *invitro* shoot formation from pseudostem explant of ginger

Plantlets were induced directly from pseudostem explants of ginger.



Direct regeneration of plantlets from pseudostem of ginger

Paprika

Thirty five paprika accessions including 14 exotic and 21 indigenous lines were evaluated for their colour value and oleoresin. Crosses were made between Bydagi-types and two pungent exotic lines, Papriking, to combine the desired traits of the parental lines.

Cassia

Clonal progeny analysis of four cassia elite lines (A₂, C₁, D₁ and D₃), based on first coppicing (4 years after planting) indicated that there is no significant difference among them for bark yield.

Tree spices - Germplasm collection

Seven cultivated accessions of *Garcinia gummi-gutta*, including one with about 235g fruit weight, was collected from Kozhikode and Kannur districts of Kerala. Two cultivated accessions of Kokam (*G. indica*) from Vengurla (Maharashtra) & Taliparamba (Kerala) were also collected and added to the conservatory. One accession of *Syzygium cuminii* var. gokad, six accessions of *Myristica fragrans* and two accessions of *Cinnamomum verum* were also collected from Vengurla (Maharashtra) and Kozhikode (Kerala).

Biocontrol research

Trichoderma isolates obtained from black pepper rhizosphere are maintained in the Repository. One hundred and twenty nine of these isolates were identified upto species level based on morphological characters.

Application of sorghum based formulation of *Trichoderma* in the field resulted in increased soil population of saprophytic mites and saprophytic nematodes.

Decomposed coir compost was found to be good carrier medium for *Trichoderma*.

High myristicin and elemicin nutmeg lines

Myristicin and elemicin are the two hallucinogenic principles present in nutmeg (*Myristica fragrans*) and its mace. Few germplasm accessions available at Indian Institute of Spices Research, Kozhikode are found rich in mace oil and nutmeg oil with around 25-30% myristicin.

Recent studies have shown that myristicin is a potential anticancerous drug.

Management of root mealybug-recommendation approved

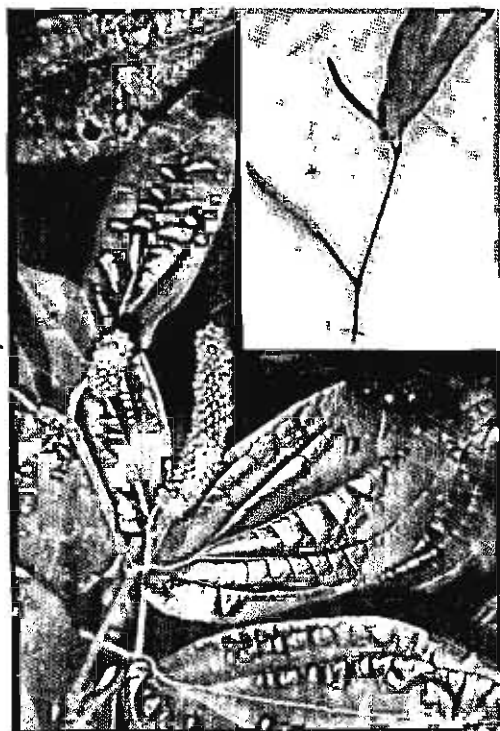
Infestation by the root mealybug (*Planacoccus* sp.) is becoming serious in recent years on black pepper especially in Wynad District of Kerala. Field trials conducted at Wynad district for the past 2 years indicated that among the various insecticides, chlorpyrifos (0.075%) was the

most effective and was on par with quinalphos (0.075%) and profenophos (0.075%). This finding was approved as a recommendation for extension agencies during the XV Annual Research Council Meeting of the Institute held during 4-6 April 2002.

SPICES GERMLASM COLLECTION FROM PEPPARA & NEYYAR WILD LIFE SANCTUARIES AND ACHAN KOVIL FORESTS

During November 11-18, 2002, IISR scientists Dr. B. Sasikumar and Mr. K.V. Saji explored the wild life sanctuaries of Peppara & Neyyar in Trivandrum district and Achan Kovil Forest range in Quilon/Pattanamthitta districts besides the Amboori tribal settlement belt in Thiruvananthapuram, Kerala.

A total of 79 specimens of *Piper*, *Zingiber*, *Curcuma*, *Vanilla vatsalana*, *Garcinia gummi-gutta* *Cinnamomum sulphuratum* were collected during the exploration.



Piper hapnium ♀ and ♂ (inset)

The salient collections include a lone *Piper hapnium* (♂) collection from amongst a sizeable female population in Achan Kovil forest range, a *Zingiber* sps. with the flavour of nutmeg rind and a *Piper longum* (♀) accession with a slight pink coloured immature spikes.

A large population of *Z. officinale* and *C. longa* could be seen at Alappady Meth, 20 k.m. inside Achan Kovil forests. This may be a 'run wild' population escaped from the Malapandaram's hamlets. 'Malapandarams' are the native tribe of Achan Kovil region, inhabiting deep inside the forest.

PARTICIPATION IN SYMPOSIA/ SEMINARS/ TRAINING/ MEETING

Anandaraj, M

Monitoring Committee Meeting, Review of IPM/ INM Programmes, Department of Biotechnology, 30-31 January 2002, Indian Institute of Spices Research (IISR), Kozhikode.

National Symposium on Crop Protection and WTO – an Indian Perspective, 22-25 January 2002, Central Plantation Crops Research Institute, Kasaragod, Kerala.

Symposium on 'Perspectives in Integrated Plant Disease Management', 13-14 February 2002, National Research Centre for Citrus, Nagpur, Maharashtra.

Strategies for increasing production and export of spices, National Seminar, 24-26 October 2002, Indian Institute of Spices Research, Kozhikode.

Anke Gowda, S.J

Seminar on spices-Cardamom, Black pepper and Vanilla organized by Spices Board, 23 January, 2002, Rotary Hall, Madikeri, Kodagu.

Brain storming session on System Simulation in Perennial Crops, 29-30 January 2002, Central Plantation Crops Research Institute, Kasaragod.

30 Meeting of Scientific Advisory Committee, 6 February 2002, Krishi Vigyan Kendra, Gonikopal, Kodagu.

Brain storming session on chillies and paprika, 8 February 2002, Indian Institute of Spices Research, Kozhikode.

XIV Annual research council meeting on small cardamom and other Spices, 25-27 June 2002, Indian Cardamom Research Institute, Spices Board, Myladumpara, Kailasanadu, P.O., Idukki.

Strategies for increasing production and export of spices, National Seminar, 24-26 October 2002, IISR, Kozhikode.

National symposium on soil and water conservation measures and sustainable land use systems with special reference to the Western Ghats region, ICAR Research complex for Goa and NATP (Coastal), 16-17 November 2002, Goa.

Chempakam, B

Strategies for increasing production export of spices, 24-26 October 2002, National Seminar, Indian Institute of Spices Research, Kozhikode.

Brainstorming session on chillies and paprika, 8 April 2002, IISR, Kozhikode.

Workshop on Codification of Crop Resources, 5-6 February 2002, IISR, Kozhikode.

Damayanthi, K.P.M

Workshop on Codification of Crop Resources, 5-6 February 2002, IISR, Kozhikode, Kerala.

Brain Storming Session on chillies and paprika 8 April 2002, IISR, Kozhikode.

Devasahayam, S

Monitoring Committee Meeting, Review of IPM/ INM Programmes, Department of Biotechnology, 30-31 January 2002, IISR, Kozhikode.

Workshop on Codification of Crop Resources, 5-6 February 2002, IISR, Kozhikode.

National Symposium on Biological Control of Insect Pests, 7-8 February 2002, Entomology Research Institute, Chennai.

Brainstorming session on chillies and paprika, 8 April 2002, IISR, Kozhikode.

Strategies for Increasing Production and Export of spices, National Seminar, 24-26 October 2002, IISR, Kozhikode.

Jacob, V.L

Vigilance Awareness Training. CTCRI, Thiruvanthapuram 18-20 December 2002.

John T. Zachariah

Workshop on Codification of Crop Resources, 5-6 February 2002, IISR, Kozhikode.

Annual Workshop of NATP "Integrated technologies for value addition and post harvest management in palms, spices and tuber crops, 26 March 2002, CPCRI, Kasaragod.

Brainstorming session on chillies and paprika, 8 April 2002, IISR, Kozhikode.

Workshop on strengthening Food Safety and Quality Systems National Codex committee, 1-2, July 2002, Kochi.

Strategies for increasing production and export of spices, National Seminar, 24-26 October 2002, Indian Institute of Spices Research, Kozhikode.

PLACROSYM XV, 10-13 December 2002, Mysore.

Vigilance Awareness Training. CTCRI, Thiruvanthapuram 18-20 December 2002.

Johnson K. George

Brainstorming session on chillies and paprika, 8 April 2002, Indian Institute of Spices Research (IISR), Kozhikode.

Strategies for increasing production and export of spices, National Seminar, 24-26 October 2002 Indian Institute of Spices Research, Kozhikode.

Kandiannan, K

Strategies for increasing production and export of spices - National Seminar, 24-26 October 2002 Indian Institute of Spices Research, Kozhikode.

Krishnamoorthy, B

Workshop on Codification of Crop Resources, 5-6 February 2002, IISR, Kozhikode.

TOLIC, Calicut Subcommittee Meeting, 9 January 2002 and 29 April 2002 Kozhikode.

30th TOLIC, Meeting on 18 April 2002 Kozhikode.

National Consultative Meeting for Accelerated Production and Export of Spices. 29-30 May 2002, Directorate of Arecanut and Spices Development, Kozhikode.

Hindi Seminar, Town Official Language Implementation Committee, 19 June 2002 Kozhikode.

Strategies for increasing production and export of spices, National Seminar, 24-26 October 2002, IISR, Kozhikode.

31st TOLIC meeting 06 November 2002, Kozhikode.

Twenty fourth Zonal Workshop of Research and Extension Advisory Council (NARP Northern Zone) at Regional Agricultural Research Station (KAU), 12 November 2002.

Introduction to Bioinformatics. Bioinformatics centre, 20-22 November 2002, IISR, Kozhikode.

Geographical indication in spices – WTO Task force, sub committee Meeting, 24 November 2002, Indian Institute of Spices Research, Kozhikode.

Kumar, A

Monitoring Committee Meeting, Review of IPM/ INM Programmes, Department of Biotechnology, 30-31 January 2002, IISR, Kozhikode.

Third International Bacterial Wilt Symposium, 4-8 Feb. 2002, White River, South Africa.

Strategies for increasing production and export of spices, National Seminar, 24-26 October 2002, Indian Institute of Spices Research, Kozhikode.

Leela, N.K

Brainstorming session on chillies and paprika, 8 April 2002, IISR, Kozhikode.

Strategies for increasing production and export of spices, National Seminar, 24-26 October 2002, Indian Institute of Spices Research, Kozhikode.

Nair, R.R

Brainstorming session on chillies and paprika, 8 April 2002, IISR, Kozhikode.

Strategies for increasing production and export of spices – National Seminar 24-26 October 2002, Indian Institute of Spices Research, Kozhikode.

Nirmal Babu, K

Brainstorming session on chillies and paprika, 8 April 2002, IISR, Kozhikode.

Strategies for increasing production and export of spices, National Seminar, 24-26 October 2002, Indian Institute of Spices Research, Kozhikode.

Parthasarathy, V.A

RAC of CPCRI, 12-13 September 2002 Kasaragod.

NATP Sensitization Workshop at NCAE & PR, 21 September 2002, New Delhi.

Strategies for increasing production and export of spices, National Seminar, 24-26 October 2002, Indian Institute of Spices Research, Kozhikode.

International Coconut Gene Bank meeting organized by COGENT 30 October- 1 November 2002, CPCRI, Kasaragod .

Prasanth D

Brainstorming session on chillies and paprika, 8 April 2002, IISR, Kozhikode.

International conference on Vegetables, 11-14 November 2002, Dr. Prem Nath Agricultural Science Foundation, Bangalore.

Ramana, K.V

Strategies for increasing production and export of spices, National Seminar, 24-26 October 2002, Indian Institute of Spices Research, Kozhikode.

PLACROSYM XV 10-13 December 2002, Mysore (Chaired the Session IV).

Rema, J

Brainstorming session on chillies and paprika, 8 April 2002, IISR, Kozhikode.

21st State Seed Committee Meet, 18 September 2002, CTCRI, Thiruvananthapuram.

National Biodiversity Strategy and Action Plan for Kerala, 23-24 September 2002, KFRI, Thrissur.

Strategies for increasing production and export of spices – National Seminar 24-26 October 2002, Indian Institute of Spices Research, Kozhikode.

Santhosh J. Eapen

Monitoring Committee Meeting, Review of IPM/ INM Programmes, Department of Biotechnology, 30-31 January 2002, IISR, Kozhikode.

Brainstorming session on chillies and paprika, 8 April 2002, IISR, Kozhikode.

Strategies for increasing production and export of spices, National Seminar, 24-26 October 2002, Indian Institute of Spices Research, Kozhikode.

Sasikumar, B

Implementing Farmers' Right for Conservation and Utilization of Plant Genetic Resources in Asia Pacific Region-From Legislation to Action, 21-22 Jan. 2002, M.S. Swaminathan Research Foundation in collaboration with FAO, Chennai.

Biodiversity and Conservation. International Conference, 24 January 2002, OISCA International, Kozhikode.

Workshop on Codification of Crop Resources, 5-6 February 2002, IISR, Kozhikode.

Trends in Applied Biology 2002, 27 March 2002, Seminar, School of Life Sciences, Kannur University, Kannur.

Brain storming session on chillies and paprika, 8 April 2002, IISR, Kozhikode.

Coffee Breeders Workshop (Invited Expert), 11 May 2002, Mysore.

Investment opportunities in Herbal Spices, Seminar, 23 May 2002, Coimbatore.

National Consultative Meeting on Accelerated Production and Export of Spices, 29-30 May 2002, Directorate of Arecanut & Spices Development, Kozhikode.

Interface with Scientists & Farmers, 5 August 2002, Department of Agriculture, Govt. of Kerala, RARS, Ambalavayal.

21st State Seed Committee Meet, 18 September 2002, CTCRI, Thiruvananthapuram.

National Biodiversity Strategy and Action Plan for Kerala, 23-24 September 2002, KFRI, Thrissur.

Geographical indication in spices – WTO Task force sub committee Meeting, 24 October 2002, Indian Institute of Spices Research, Kozhikode.

Strategies for increasing production and export of spices, National Seminar, 24-26 October 2002, Indian Institute of Spices Research, Kozhikode.

Plantation Crops Symposium (PLACROSYM XV), 10-13 December 2002, Mysore.

Shiva, K.N

Brain storming session on paprika and chillies, 8 April 2002, Indian Institute of Spices Research, Kozhikode.

Hindi Workshop, 22 May 2002, Kozhikode.

Workshop on Biodiversity Conservation, 12-14 August, NIRD, Hyderabad.

National Consultative Meeting on Accelerated Production and Export of Spices, 29-30 May 2002, Directorate of Areconut and Spices Development, Kozhikode.

Srinivasan, V

National Seminar on Indigenous Nutrient Management Practice and Brain Storming Session on Organic Farming, 30-31 January 2002, Indian Institute of Soil Science, Bhopal.

Strategies for increasing production and export of spices, National Seminar, 24-26 October 2002, Indian Institute of Spices Research, Kozhikode.

Thankamani, C.K

Brainstorming session on chillies and paprika, 8 April 2002, IISR, Kozhikode.

Strategies for increasing production and export of spices, National Seminar, 24-26 October 2002, Indian Institute of Spices Research, Kozhikode.

National Symposium on Soil and Water Conservation Research and Sustainable land use system with special reference to Western Ghat Region. 17-17 Noveber 2002, ICAR Research Complex, Goa.

Second International Agronomy Congress, Balancing food and environmental security - A continuing challenge. 26-30 December 2002, IARI, New Delhi.

Veena, S.S

National Symposium on Crop Protection and WTO-An Indian Perspective. 22-25 January 2002, CPCRI, Kasaragod.

Monitoring Committee Meeting, Review of IPM/ INM Programmes, 30-31 January 2002, Department of Biotechnology, IISR, Kozhikode.

Brainstorming session on chillies and paprika, 8 April 2002, IISR, Kozhikode.

Strategies for increasing production and export of spices – National Seminar 24-26 October 2002, Indian Institute of Spices Research, Kozhikode.

Venugopal M.N

Brainstorming session on chillies and paprika, 8 April 2002, IISR, Kozhikode.

Seminar and workshop on Horticulture Technology machine for Mizoram, 30-31 August 2002, Mizoram, Aizwal.

Workshop on KVK activities for Kodagu, 5 October 2002, KVK, IIHR, Gonikoppal.

Workshop on coffee based cropping system, 5 October 2002, CCRI, Balehonnur, Karnataka.

PLACROSYM XV 10-12, December 2002, Mysore.

Krishi Mela, 5 December 2002, H.D. Kote, Mysore.

GUEST LECTURES DELIVERED/ INVITED PAPERS PRESENTED

Anandaraj, M

Integrated disease management in spice crops, National Symposium on perspectives in integrated plant diseases management, 13-14 February 2002, National Research Centre for Citrus, Nagpur.

Anke Gowda SJ

Diseases of black pepper, 21 March 2002 Spices Board, Chennamma Jr. College, Madapur, Kodagu.

Master training programme on vanilla. 22 March 2002, Cardamom Research Centre, IISR, Appangala, Kodagu.

Cardamom cultivation, Spices Board, 29 August 2002, Galibedu, Kodagu.

Cardamom cultivation, Spices Board, 12 September 2002, Beltageri, Kodagu.

Cardamom, black pepper and vanilla cultivation, 3 October 2002, Coffee Board, Mutharmundi, Kodagu.

Cardamom and black pepper cultivation, 11 December 2002, Coffee Board, Maragodu.

John T. Zachariah

Processing of spices, PGDPM students at IIPM, Bangalore, 1 January 2002.

Post Harvest Processing of spices, Hort. Officers of Maharashtra, CPCRI, Kasaragod, 17 April 2002.

Krishnamoorthy, B

Impediments in Official Language Implementation and Suggestions to overcome them; Town Official Language 19 June 2002, Implementation Committee Meet, Kozhikode.

Rema, J

Cultivation of tree spices. Spices Production Technology, 20-21 December 2002, ICAR Research Complex, Goa.

Ramana, K.V., Johny A. Kallapurackal and Shiva, K.N.

Technologies for accelerated production of seed spices. National Consultative Meeting on Accelerated Production and Export of Spices, 29-30 May 2002, Directorate of Arecanut and Spices Development, Kozhikode.

Saji, K.V., Johnson George, K., Sasikumar, B and Krishnamoorthy, B

Diversity and conservation of major spices. 16-17 Feb. 2002. In: 4 Indian Agricultural Scientists and Farmers Congress, Meerut.

Sarma, Y.R., and Sasikumar, B

Potential for spices production in Andhra Pradesh and Biotechnological interventions: Green revolution to gene revolution – 6-8 Jan. 2002, Indo American Millenium Meet, Hyderabad.

Sarma, Y.R., and Sasikumar, B

Spices for progress of Chattisgarh-Vistas and Vision. In: Horticulture Development in Chattisgarh – Vision and Vistas. 21-23 Jan. 2002. Indira Gandhi Agricultural University, Raigarh, Chhattisgarh.

Sarma, Y.R., and Sasikumar, B

Spices – Export scenario and Geographical indication. In: International Seminar on Medicinal Plants and Spices – Patents & Exports, 6-7 April 2002, VHERDS, Chennai.

Sarma, Y.R and Sasikumar, B

Indian Spices - Accelerating Production and Export through Proactive Programmes. In: National Consultative Meeting for Accelerated Production and Export of Spices May. 29-30, 2002, Directorate of Arecanut and Spices Development, Kozhikode.

Sasikumar, B

Vanilla and pepper cultivation (for agricultural officers. Department of Agriculture, Kerala) Kunnamangalam Block, Kunnamangalam, 20 May 2002.

Vanilla and turmeric (Investment opportunities in Herbal Spices for entrepreneurs and farmers organized by Nandini Consultancy Services, 23 May 2002, Chennai at Coimbatore.

Biotechnology in Agriculture. Interface with scientists, development officers and farmers – 5 August 2002, organized by Department of Agriculture, Kerala at RARS, Ambalavayal.

Vanilla cultivation (For farmers –on Farmers' Day Celebration, 17 August 2002, Krishi Bhavan, Cheekode, Kozhikode.

Vanilla production for agricultural officers of Manjeri Block, Kozhikode, Manjeri, 29 June 2002.

Vanilla production (for farmers) Kodiathur, Krishi Bhavan, Kodiathur, Kozhikode, 7, October 2002.

Crop Improvement of black pepper, ginger & turmeric. Nat. Training on Advances of Production Technology and Medicinal Crops. Central Training Institute, Kerala Agricultural University, Mannuthy, Trissur, 24 September 2002.

Modern concepts in breeding of spices- Lead paper in Session-I : Breeding innovation for yield, resistance and quality, PLACROSYM XV, Mysore, 10-13 December, 2002.

Shiva, K.N.

Role of AICRP on Spices towards conservation of Spices. In : Workshop on Biodiversity Conservation, 12-14 August 2002, NIRD, Hyderabad.

Srinivasan, V

Cultivation of black pepper, ginger and turmeric, Spices Production Tehcnology, ICAR Research Complex, Goa, 20-21 December 2002.

Venugopal, M.N

Growers Seminar, Vanilla Processing, Sirsi, Karnataka, 17 October 2002.

Growers Seminar, Vanilla procesing, Shimoga, 18 October 2002.

Growers Seminar, Arecanut based cropping system, Sampoje, 20 November 2002.

PUBLICATIONS

"Chapters in Monographs/ Books"

Devasahayam, S. and Koya, K.M.A. 2002. Integrated management of insect pests of spices. Souvenir, National Consultative Meeting for Accelerated Production and Export of Spices. May 29-30, 2002, Directorate of Arecanut and Spices Development, Kozhikode., Pp. 72-74.

Ravindran, P.N. and Johny A Kallapurackal, 2002. Three decades of research & development under AICRPS – An overview. Souvenir, National Consultative Meeting for Accelerated Production and Export of Spices. 29-30 May 2002, Directorate of Arecanut and Spices Development, Kozhikode., Pp.22-43.

Sarma, Y.R and Sasikumar, B. 2002. Export potential of spices. In: New Dimensions and Approaches for Sustainable Agriculture: S. Kannian *et al* (Eds.). Directorate of Extension Education, Tamil Nadu Agricultural University, Coimbatore, Pp.22-30.

Sarma, Y.R. and Sasikumar, B. 2002. Indian Spices. Accelerating production and export through proactive programmes. Souvenir. National Consultative Meeting for Accelerated Production & Export of Spices. Directorate of Arecanut and Spices Development, Kozhikode, May 29-30, 2002., Pp.9-21.

Sarma Y.R. and Sasikumar B., 2002 Indian spices - current status, prospects and challenges. In: Indian Agriculture-Current Status, Prospects and Challenges. Commemorative Vol. 27th Convention of Indian Agriculture Univ. Association. Indian Agriculture Univ. Association and APAU, Rajendranagar, Hyderabad, 9 December 2002, PP 248-251.

Sasikumar, B. 2002. Spices in the post WTO scenario – Impact of Agreement on Agriculture. In: Problems and Prospects in Spices Production and Export. Proc. Interface between Exporters and Farmers (Eds.) Y.R. Sarma, B. Chempakam and John T. Zachariah, Indian Institute of Spices Research, Kozhikode, Pp.43-53.

Sasikumar, B. 2002. Biotechnology-Beginning a new revolution, Deepika Higher Studies Directory, Rashtra Deepika, Kottayam., Pp 13-25.

Shiva, K.N., Ramana, K.V. and Johny A Kallapurackal 2002. Role of AICRP on Spices towards conservation of spices germplasm. In: Proc. Workshop on Biodiversity Conservation, NIRD, Hyderabad, 12-14 August 2002., Pp.282-295.

Research Articles

Anandaraj, M. (2002). Feasibility of forecasting *Phytophthora* disease occurring in the west coast during southwest monsoon. National Symposium on Crop Protection and WTO – an Indian Perspective, 22-25 January 2002, Central Plantation Crops Research Institute, Kasaragod (Abstr.).

Anandaraj, M. (2001) Fungal avirulence genes for locating sources of resistance in host plants. Indian Phytopath. 54(4) : 514 (Abstr.).

- Anke Gowda, S.J., Chethan, C.V. and Korikanthimath, V.S. (2002). Soil and water conservation measures in cardamom cultivation. Proc. National symposium on soil and water conservation measures and sustainable land use systems with special reference to the Western Ghats region. ICAR Research complex for Goa and NATP (Coastal), Goa, 16-17, November 2002. p.47-49.
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Sasikumar, B. and Sarma, Y.R. 2002. New varieties of black pepper. *ICAR News*, **8**(2):12-13.

Veena, S.S. & Anandaraj, M. 2002. Disease of Vanilla. *Kerala Karshakan (Mal.)*, **47** (6): 9-10.

AWARDS/ HONOURS

Ms. Damayanthi, K.P.M., Scientist Sr. Scale, IISR, Kozhikode was awarded **Ph. D degree (Botany)** by **Bharathiyar University, Coimbatore.**

Mr. K. Kandiannan, Scientist (Agronomy), IISR, Kozhikode was awarded **Ph. D** in Agriculture by **Tamil Nadu Agricultural University, Coimbatore.**

Dr. A.K. Sadanandan, ICAR Emeritus Scientist, IISR, Kozhikode, bagged the best poster Award for his poster "**Effect of Integrated Plant Nutrient Management System on Yield and Quality of Indian Spices**" in the Seventh World Congress of Soil Science, held at Bangkok, Thailand during 14-21 August 2002.

Ms. M.M. Maya, Dr. T. John Zachariah and Mr. B. Krishnamoorthy jointly bagged the **Alapati Prasada Rao Award** for the best poster entitled "**Lycopene and volatile oil constituents-changes during storage of mace powder (*Mystica fragrans*)**" exhibited in the National Seminar "Strategies for increasing Production and Export of Spices" held at IISR, Kozhikode during 24-26 October 2002.

Dr. C.K. Thankamani has bagged the best poster award for the poster entitled **Influence of drip irrigation on yield and moisture extraction pattern of bush pepper (*P. nigrum* L.) grown in coconut garden** authored jointly with Dr. P.K. Asokan, Kerala Agril. University, displayed in the "National Symposium on soil and water conservation measures and sustainable land use system with special reference to Western Ghat Region held at ICAR Research Complex, Goa. 16-17 November 02.

TECHNICAL PUBLICATIONS

Problems and Prospects in Spices Production and Export. Proc. Interface between exporters and Farmers with Scientists (Eds.) Sarma, Y.R., Chempakam, B. and John Zachariah, T. Indian Institute of Spices Research, Kozhikode, 2002, P-73.

Proceedings of XVI Workshop of AICRP on Spices (Eds.) Ravindran, P.N., Shiva, K.N.

and Johny A. Kallapurackal, held at KAU, Vellanikkara, Thrissur, 2002, p 44.

TRAINING ATTENDED

Anke Gowda, S.J

Short course on Watershed planning under Watershed technology (Mission mode) National Agricultural Technology Project (NATP) (Coastal), at Goa, November 16-17, 2002 at Central Soil and Water Conservation Research and Training Institute, Research Centre, Fernhill, Udthagamandalam, Tamil Nadu.

Damayanthi, K.P.M

Internet and Web designing 21-23 November 2001. Bioinformatic centre, Indian Institute of Spices Research, Kozhikode.

Devasahayam, S

Application of Internet in Biological Research, 16-18 January 2002, Indian Institute of Spices Research, Kozhikode.

John Zachariah, T

Application of HPTLC in Spices Anchrom, Mumbai, 22-26 April 2002.

Madan, M.S

Advanced software training covering RDBMS, Networking, oracle essential, GIS and spatial data management concepts, 26 March - 24 April 2002, NIIT, Bangalore.

Prasath, D

Training on use of HORTIVAR - Horticulture Cultivars Performance Database, 12 November 2002, Bangalore.

Saji, K.V

Information Technology in Agriculture 31 July - 20 August 2002, NAARM, Hyderabad.

Srinivasan, N

Advanced software training covering RDBMS, Networking, oracle essential, GIS and spatial data management concepts, 26 March - 24 April 2002, NIIT, Bangalore.

Shiva, K.N

ICAR Winter School on " The Use of Isotopes and Radiations in Soil-Plant Relationships" October 3 to November 1, 2002. Nuclear Research Laboratory, Indian Agricultural Research Institute, New Delhi.

Thankamani C.K

Crop micrometeorology, 3-30 Dec. 2002, College of Agriculture, Pune.

NEW PROJECT SANCTIONED

A new collaborative research project of IISR, Kozhikode with Centre for Water Resources Development & Management (CWRDM), Kozhikode, Kunnamangalam 'Migration of pesticide in soil water plant environment - A study using a Phosphorus-32 labelled potassium phosphonate compound effective against foot rot disease of black pepper' was sanctioned by Board of Research in Nuclear Sciences (BRNS), (Department of Atomic Energy) to IISR, Kozhikode.

TRANSFER OF TECHNOLOGY

Kisan Divas

'Kisan Divas' (Farmers Day) was celebrated at Indian Institute of Spices Research, Kozhikode on 23-12-2002. About 100 farmers participated in the function organized at IISR Farm, Peruvannamuzhi. Ms. M.K. Nalini, District Panchayat President, Kozhikode, Chief Guest, highlighted the need for transfer of latest technology to grass root level farmers for improving production of quality spices and other commodities. Thirteen selected farmers were honoured in the function for their contribution to farming by awarding certificate. Dr. V.A. Parthasarathy, Director, IISR, presided over the function.



A view of the inaugural function of 'Kisan Diwas'. Dr. V.A. Parathsarthy, Smt. M.K. Nalani, Dr. Tamil Selvan, Dr. P.N. Radhakrishnan Nair, Mr. M.N. Babu etc. are seen

Radio Talks

Anke Gowda, S.J

Cardamom planting and after care. 25 June 2002, AIR, Madikeri.

Sasikumar, B

Spices cultivation for better income. Discussion in Farm Radio School Programme, AIR, Thrissur, 12 February, 2002.

Veena, S.S

Diseases of Vanilla. AIR, Kozhikode, 29 April 2002.

Venugopal M.N

Processing and quality aspects of cardamom and pepper, AIR, Madikeri

Extension Pamphlets

White pepper (folder) (Ed.) T. J. Zachariah. Indian Institute of Spices Research, Kozhikode, 2002.

Bioinformatics Training

The Bio informatics centre IISR, Kozhikode, organized two short-term training programmes viz. 'Computer skills for Biologists' (4-6 September 2002) and 'Introduction to Bio informatics' (20-22 November 2002). Altogether 21 participants

attended these DBT sponsored programmes. The faculty included resource persons from IIM, Kozhikode; NIT, Kozhikode; CPCRI, Kasaragod and IISR, Kozhikode. The second programme was held exclusively for the principal scientists of ICAR. It was inaugurated by Dr. T. Madhan Mohan, Director, DBT, New Delhi.

VIGILANCE AWARENESS WEEK AT INDIAN INSTITUTE OF SPICES RESEARCH, KOZHIKODE

The Indian Institute of Spices Research, Kozhikode observed Vigilance Awareness Week from 31 October to 6 November 2002, to create awareness among the staff and public on the danger of corruption in the society.

The week long programme was inaugurated by Sri. T K Chandrasekhar, General Manager, Bharat Sanchar Nigam Limited, Kozhikode on 31 October 2002 with administration of pledge by Dr. V A Parthasarathy, Director, IISR. Mr. Chandrasekhar in his inaugural address traced the basic reasons for corruption in public life to scarcity of goods/services; antipathy of the staff and ignorance/complication of the procedures. Dr. K V Ramana, Vigilance Officer, IISR, Kozhikode welcomed the gathering.

During the week long celebration, various competitions such as essay writing, elocution, slogan writing in English and Malayalam for the staff and children of nearby schools were conducted to create awareness about being transparent in public dealings. Eleven students from Silver Hills High School, Marikunnu, Kozhikode, Higher Secondary School, Markhaz, Kozhikode and Higher Secondary School, Kunnamangalam, Kozhikode, participated in the elocution competitions. The topic for contest was "Vigilance Awareness – transparency in public life". The contest was held in both English and Malayalam.

The celebration came to a close on 6 November 2002 with a valedictory function. Sri. E T Luckose, Commissioner of Income Tax was

the Chief Guest of the valedictory function. He gave away the prizes to winners. Master Jithin Nazeer and Master Abhimanyu, M.A. of Silver Hills High School bagged the first and second prizes in English, while Ms. Adeeba Fathima, M of Silver Hills High School and Master Hamza, M.M of Higher Secondary School, Markhaz were awarded first and second prize respectively for the contest in Malayalam.

HINDI FORTNIGHT CELEBRATION

Hindi Day/Hindi Fortnight was celebrated during September second/third week, at IISR, Kozhikode. Staff members took an oath for using Hindi in day to day work on the inaugural function. In connection with Hindi Fortnight Celebration various competitions such as Hindi essay writing, Hindi noting and drafting as well as calligraphy were conducted for the staff members. A Separate Hindi Workshop was also conducted on 23-09-2002. Dr. V.A. Parthasarathi, Director, IISR, Kozhikode distributed prizes to the winners in the valedictory function.

IPM/INM PROGRAMME-REVIEW MEET

A meeting of the Monitoring Committee for Review of IPM/INM Programmes under taken with the assistance of Department of Biotechnology, New Delhi, was held at Indian Institute of Spices Research, Kozhikode during 30-31 January 2002. The meeting was inaugurated by Dr. Seema Wahab, Director, Department of Biotechnology, New Delhi. The progress of work done in 14 projects were presented and discussed during the meeting. Dr. M. Balasubramaniam, Advisor, Department of Biotechnology, New Delhi, gave the concluding address. A field trip was organized to Wynad and Tamarassery where the delegates were shown the plots where the efficacy of biocontrol agents against diseases of black pepper.

BRAINSTORMING SESSION ON CHILLIES AND PAPRIKA

A brain storming session to analyze the problems and prospects of chillies and paprikas was held at IISR, Kozhikode on 8 April 2002. This was a follow up of the scientist-exporters interface held on 8-9 October 2001 in connection with IISR, Silver Jubilee Celebration.

The meeting was presided over by Dr. S.A. Patil, Vice Chancellor, UAS, Dharward and was inaugurated by Dr. G. Kalloo, DDG (Hort.), ICAR.

The then Director, Dr. Y.R. Sarma, highlighted two major issues in chillies viz., the problem of aflatoxin and pesticides residues, in his welcome address.

Exporters, scientists and development officers deliberated on the production, quality and marketing aspects of the commodity.

NATIONAL SEMINAR "STRATEGIES FOR INCREASING PRODUCTION AND EXPORT OF SPICES"

A three day National Seminar on "Strategies for Increasing Production and Export of Spices" was organized at Indian Institute of Spices Research, Kozhikode, Kerala, during 24-26 October 2002.

The seminar was inaugurated by Dr. G. Kalloo, DDG (Hort.), ICAR, New Delhi in a meeting presided over by Dr. K. V. Peter, Vice-Chancellor, Kerala Agricultural University, Thrissur, Kerala. Dr. G. Kalloo in his inaugural address has sought efforts to maintain accepted pesticide residue levels and cleanliness standards for spices. Dr. K.V. Peter also stressed the importance of 'clean spice' in his presidential address. Dr. V. A. Parthasarathy, Director, Indian Institute of Spices Research welcomed the gathering. Dr. Y. R. Sarma, President, Indian Society for Spices introduced the theme of the seminar. Dr. M. Anandaraj, Secretary, Indian Society for Spices proposed vote of thanks.

Dr. S.P.S. Kanuja, Director, CIMAP, Lucknow; Dr. Dilip Arora, Director, NBAIM, New Delhi; Shri. KPG Menon, ED, IPC, Jakarta; Dr. K.V.A. Bavappa,



A view of the inaugural function of the seminar. Dr. G. Kalloo, DDG (Hort) is lighting the lamp. Also seen are Dr. Y.R. Sarma, Dr. V.A. Parthasarathy and Dr. K.V. Peter.

Former FAO consultant etc chaired some of the sessions of the seminar.

The following awards were presented during the seminar.

Sugandha Bharathi Award: This award was conferred posthumously to **Venugopalan Nambiar** for evolving Panniyur-1, black pepper hybrid.

Dr. J.S. Pruthi Award: This award was jointly bagged by **Dr. K.D. Khiriya, Dr. R.S. Sheoran** and **Dr. B.P. Singh** for their paper entitled '**Growth Analysis of Fenugreek (*T. Foenum-graceum*. L) under various levels of farmyard manure and phosphorous**' published in the J. Spices & Aromatic Crops, Vol. 10.

H. S. Mehta Memorial Award for the best oral presentation in the National Seminar was bagged by **Dr. V.V. Belavadi, Dr. C. Parvathi, Dr. Thimmarayappa, Dr. M. R. Anand** and **Dr. Y. L. Ramachandra** for their paper entitled '**Pollinator recruitment in relation to flower density in small cardamom.**

Dr. Alapatti Prasada Rao Award for the best poster exhibited in the National Seminar has gone to the poster entitled '**Lycopene and volatile oil constituents - changes during the storage of mace powder (*M. fragrans*)**' authored by **Maya, K.M., Zachariah T.J.** and **Krishnamoorthy, B.**

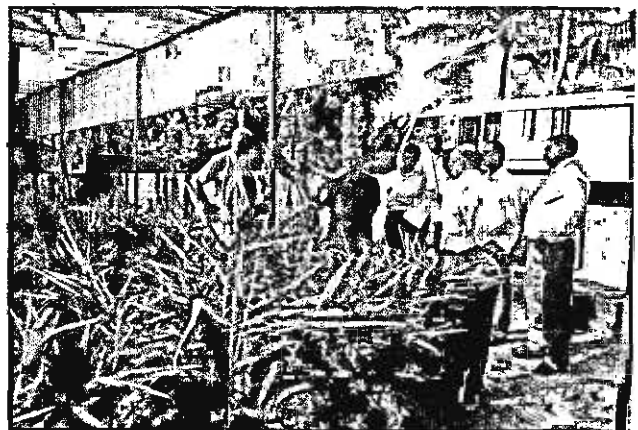
RESEARCH ADVISORY COMMITTEE MEETING

The first meeting of the newly constituted Research Advisory Committee (RAC) of the Indian Institute of Spices Research (IISR), Kozhikode, was held during 17-18 May 2002 at Kozhikode. The new RAC comprised of Dr. K.V. Ahamed Bavappa (Chairman), besides Dr. V. Arunachalam, Dr. C.K. George, Dr. R.K. Sharma and Dr. L. Venkataratnam as members.

In addition to the RAC members all the scientists of the Institute and Director also attended the meeting. The members of the RAC visited all the laboratories and held discussion with the scientists.

QUINQUENNIAL REVIEW TEAM VISITED INDIAN INSTITUTE OF SPICES RESEARCH, KOZHIKODE, KERALA

The Indian Council of Agricultural Research, New Delhi has set up a quinquennial review team (QRT) to review the research work done for the last five years (01.01.1997 to 31.12.2001). The QRT is headed by Dr. A. Appa Rao, former Vice Chancellor of APAU and consists of following members: Dr. Balasubramanian (Biotech), Professor; Centre for Plant Molecular Biology, TNAU, Coimbatore; Dr. Anupam Varma (Plant Protection), National Professor, Division of Plant Pathology, IARI, New Delhi; Dr. T.C. Jain, K-12/11, DLF Phase-II, Gurgaon; Mr. Koshy John, Director (Development), Spices Board, Sugandha



QRT visiting IISR Farm, Peruvannamuzhi

Bhavan, Palarivattam (P.O.), Cochin; Dr. N.M. Nayar, Former Director, Central Potato Research Institute, Shimla. Prasanth Nagar, Ullor, Trivandrum; Dr. M. Anandaraj, Principal Scientist & Member Secretary, IISR, Kozhikode. The committee met on 6 September 2002 at DDG's (Hort.) chamber at New Delhi for the preliminary planning meeting and visited the head quarters of IISR during 24-26 September 2002. The team visited centres of AICRPS in smaller groups. Already 3 such visits have been completed. The committee also would be visiting Kerala Agricultural University, Spices Board and Directorate of Arecanut and Spices Development and expected to submit the report by the end of January 2003.

Shri. Lawrence Fernandes, Governing Body member visited IISR, Kozhikode

Shri. Lawrence Fernandes, Member of ICAR Governing Body visited the Institute and its farm at Peruvannamuzhi during 2-3 September 2002. He held a discussion with scientists and Director

of the Institute. Mr. Fernandes appreciated the germplasm conservation efforts of the institute and also recorded his happiness in seeing the well maintained nurseries, conservatories and farm.

Mr. Fernandes also visited the Krishi Vigyan Kendra, Peruvannamuzhi and appreciated the role of KVK in training youth in Plantation crops and spices cultivation.

Mr. Fernandes also visited CPCRI, Kasaragod and NRC (Cashew), Puttur on 05-09-2002. He lamented the unique feature of co-operation and co-ordination among IISR, CPCRI & NRC (Cashew).

Further, Mr. Fernandes recorded the following excellent attributes in these institutions:

Good maintenance of institutes premises, gardens, farms, guesthouse etc.; discipline among staff at all levels; work atmosphere at its best; excellent linkages with farmers; credible achievements to their credit and harmonious relationship among the staff of different cadres.

PERSONNEL

Appointments

Name	Designation	Posted at	Date of joining
Dr. V.A. Parthasarathy	Director	IISR, Kozhikode	17-08-2002
Nisha, A	SRF	IISR, Kozhikode	01-01-2002
Anu Augastine	RA	IISR, Kozhikode	01-01-2002
Parvathy, P.K	Project Trainee	IISR, Kozhikode	18-09-2002
Senthil Kumar, R	Project Trainee	IISR, Kozhikode	23-09-2002
Praveen, K	RA	IISR, Kozhikode	26-08-2002
Zeena, M	Secretarial Assistant	IISR, Kozhikode	31-08-2002
Sinoj Jose	SRF	IISR, Kozhikode	23-07-2002
Arun Kumar, T.K	SRF	IISR, Kozhikode	23-07-2002
Stephan Jebakumar, R	RA	IISR, Kozhikode	13-05-2002
Beena, B	SRF	IISR, Kozhikode	15-05-2002
Balakrishnan, T	Technical Assistant	IISR, Kozhikode	25-02-2002
Subanu, K	RA	IISR, Kozhikode	04-03-2002

Promotions

C. Venugopalan	Assistant	IISR, Kozhikode	19-03-2002
Mr. R.N. Subramanian	Assistant	CRC, Appangala	29-11-2002
K.A. Somanna	T4	IISR, Kozhikode	30-07-2000

Transfer

Name	Designation	Posted at	Date of joining
Smt. Sushema Devi	Sr. Lib. Asst. (T4)	IISR, Kozhikode	06-06-2002 by inter institutional transfer from CPCRI, Kasaragod
Smt. Utpala Parthasarathy	Technical Officer (T6)	IISR, Kozhikode	04-12-2002 by inter institutional transfer from CPCRI, Kasaragod
Dr. Damayanthi, K.P.M	Scientist Sr. Scale	CICR, Regional Station, Coimbatore	29-11-2002 by inter institutional transfer from IISR, Kozhikode
Dr. T.K. Jacob	Sr. Scientist (Training organizer)	IISR, KVK Peruvannamuzhi	10-12-02 by inter institutional transfer IHR, Bangalore.
Sri. C. Ramesh Babu Resignations	Stenographer Grade III	IISR, Kozhikode	02-12-2002 by transfer from IISR, CRC, Appangala

Resignations

- Ms. Nisha, A, SRF w.e.f 30-06-2002.
 Sri. S. Biju, SRF, w.e.f 19-07-2002
 Mr. Tushar, K.V. JRF, w.e.f 06-07-2002
 Ms. Anu Augustine, RA, w.e.f 12-07-2002
 Mr. Ansely Jose, M. Technical Assistant w.e.f 07-06-2002
 Dr. V. Shanmughan, RA, w.e.f 16-03-2002
 Sri. Sinoj Subramanian, SRF, w.e.f 09-10-2002
 Ms. Praseetha, SRF, w.e.f 26-10-2002
 Mr. P.N. Rajesh, SRF w.e.f 08-11-2002

Editor: Dr. B. Sasikumar, Members: Dr. Johnny A. Kallapurackal, Mr. P.A. Sherif, IISR, Kozhikode.

Published by : Dr. V.A. Parthasarathy, Director, IISR, Kozhikode, Telephones: 730294, 731410

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Email: iisr.org Website: www.iisr.org

Printed at: Modern Graphics, Cochin -17. Tel/Fax: 347 266, 342158. Email: moderngraphics@vsnl.com