

Chairman, PNASF Speaks



The growing consciousness on nutrition and health in search of quality life and better human output has led to the realization on promotion of nutrition security and health improvement. The inseparable linkage between food security and nutrition security requires combined action to overcome hunger and malnutrition. Ensuring food security is a necessary condition for improving nutritional status and in turn for achieving nutritional security. Intake of varied food comprising of all essential macro and micro nutrients (vitamins and minerals) through a diversified diet, seems to be the call of the day.

In the present world, where the food is produced for everyone, the inequitable distribution has led to 800 million people suffering from hunger and malnutrition world-wide. It is estimated that one out of every four children in developing countries will still be malnourished in 2020. More than 10 million children die and more than 20 million children suffer every year from the diseases which can be prevented and controlled. Recently, FAO and WHO have recommended that adequate intake (400 gm/person/day) of fruits and vegetables will prevent non-communicable diseases and improve overall human health.

The PNASF has been making humble attempts to augment awareness and to disseminate the message of food and nutrition security at the policy and professional level by holding national and international conferences, at the university level through lectures, publications and scholarships and at farmer's level by implementing field projects.

Recently, at the children level a novel approach to capture the minds of children in absorbing the message of nutrition by involving themselves into nutrition related activities has been taken up through a school project by the PNASF. It is envisaged that these children will become the ambassadors of the knowledge on nutrition to disseminate among the parents and neighborhood leading to state and nationwide spread in due course.

Prem Nath
(Prem Nath)

EVENTS

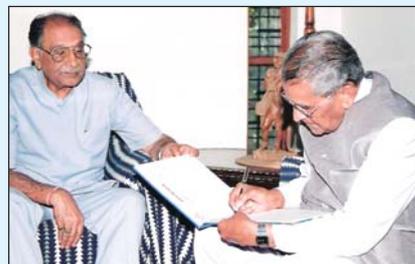
Union Minister of State for Planning Visits PNASF

Shri M.V. Rajasekharan, Honorable Union Minister of State for Planning, Government of India visited the Dr. Prem Nath Agricultural Science Foundation (PNASF), Bangalore on the forenoon of March 11, 2006. Dr. Prem Nath, Chairman, PNASF extended a warm welcome to the minister, distinguished guests, well wishers and staff. Dr. C. Kempanna, Mrs. and Dr. P.V. Sheno, Mrs. Archana Dutta, Mrs and Dr. O.P. Dutta, Mr. P.B. Gaddagimath, Ms. Roopa Gaddagimath, Dr. B.S. Prabhakara, Mr. Mukund Shiragur, Ms. Latha S.V were present on the occasion.

Dr. Prem Nath briefed the Honorable Minister about the aims, objectives and various project activities under taken by the foundation and explained about the commitment of PNASF in serving the cause of Food and Nutrition Security. Impressed by the achievement of PNASF in a short period, the Minister appreciated the mission and activities of PNASF and assured all possible support to the foundation in addressing the universal cause of Food and Nutrition Security particularly with reference to the sustainable development of farming community in India. He emphasized the need of utilizing the knowledge and experiences of highly qualified senior citizens and expressed his happiness to be associated with PNASF. He congratulated Dr. Prem Nath for his untiring efforts in this direction and wished all the success in his future endeavors.

The expressions of Honorable Minister as reflected in the visitors book of PNASF is reproduced below ;

I am indeed very happy to visit Dr. Prem Nath Agricultural Science Foundation, which has been doing great work in spreading the scientific temper among the younger generation, apart for working to provide food and nutrition security to our people. Dr. Prem Nath at his advanced age has been doing so much with commitment and dedication to strengthen the foundation of education, research and extension, in the country. I hope and trust our policy makers would take advantage of his knowledge and experience in building our country's agriculture base which is so vital for our country's future. I wish him all the best in his efforts.



Shri M. V. Rajasekharan giving his expressions in the visitors book.

Sd/-
(M.V. Rajasekharan)

Biological Science Exhibition and Launching of Nutrition Project



Shri M. V. Rajasekharan, Hon'ble Union Minister inaugurating the Science Exhibition

On the invitation of PNASF, Bangalore, Shri M.V. Rajasekharan, Honorable Union Minister of State for Planning, Government of India, inaugurated a science exhibition on March 11, 2006 at Government Model Higher Primary (GMHP) School, Geddalahalli, Bangalore. Charts, pictures, prototypes, models and microscope etc., provided by the PNASF, Bangalore displayed were explained by the students and teachers. The students of classes VI, and VII demonstrated and explained different science projects prepared by them which was amply appreciated by the minister. The exhibition was also open to students from other schools.



A students of the school explaining an experiment to the guests

Launching of Nutrition Project

On this occasion, the Nutrition Project funded by PNASF, Bangalore with the basic objective of spreading awareness and to educate malnourished urban children on importance of plants, nutrition and nutrition security was launched by Shri M.V. Rajasekharan, Honorable Minister. About 100 selected students belonging to Below Poverty Line (BPL) urban families will be involved in growing vegetables, fruits and flowers by themselves from seeding to fruiting under the guidance of the horticulturist provided by the PNASF.

Later Shri M.V. Rajasekharan, Honorable Minister in the function organized by the PNASF and GMHP School, Geddalahalli addressed the school children. Appreciating the efforts of PNASF, Bangalore,



Shri M. V. Rajasekharan addressing students of the school



Hon'ble Union Minister presenting an award to one of the student participant of Science Exhibition.

Shri M.V. Rajasekharan congratulated Dr. Prem Nath for taking up such a novel project for the children of the school and requested the teachers of the school to whole heartedly involve themselves and guide the students with the technical support provided by PNASF and make the project success

so that it can be referred to as a model project to build awareness

of food and nutritional security among children.

Dr. Prem Nath, Chairman, PNASF, Bangalore, Shri Devaprakash, DDPI, Department of Public Education, Bangalore, Shri Jayaranga, Block Education Officer, Bangalore, Mrs. S.T. Thulasamma, Head Mistress, GMHP School, Geddalahalli and members of the school



Dr. Prem Nath felicitating Shri M. V. Rajasekharan with a PNASF Plaque

management committee, representatives from PNASF, distinguished horticultural scientists, all teachers and students of the school and the press media were present on the occasion. Dr. Prem Nath, Chairman, PNASF, Bangalore honored the Chief Guest, Shri M.V. Rajasekharan with a PNASF plaque and shawl in appreciation of his presence of support to the project and for his encouragement to the PNASF and the school. Shri M.V. Rajasekharan distributed certificates and awards to the outstanding students who had prepared and demonstrated the project as a token of encouragement.

About 200 students, teachers, guests, PNASF representatives, government officials and press media participated in the function.



PNASF Facilitates Nutrition Awareness Programme for Children

The main agenda of Dr. Prem Nath Agricultural Science Foundation, Bangalore is to extend its mite towards the global concern of providing Food and Nutritional Security to all. To achieve this PNASF has been striving hard through various projects and activities. In this direction, PNASF took up yet an another project on nutrition for children and as a prelude to this, aiming at creating awareness and interest among children about nutritional security



Students on a visit to IIHR, Hessaraghatta, Bangalore

and better health and better environment, the PNASF facilitated an exposure visit for the school children of Government Model Higher Primary School, Geddalahalli, Bangalore by providing logistic support for the visit. The PNASF sponsored the visit

of school children to the Bagwani Kisan Mela organized by the Indian Institute of Horticultural Research (IIHR), Hessaraghatta, Bangalore. About 200 students belonging to class V, VI and VII were taken to IIHR, Bangalore under the guidance of Smt. P.V. Sheno, member of school management committee and Smt. S.T. Thulasamma, Head Mistress, and the teachers on 4th March, 2006. The students were taken to various field experiments and demonstrations of fruit, vegetables and flowers at IIHR, Bangalore and later visited various exhibition stalls at the kisan mela. This was an excellent occasion and opportunity for the students to widen their horizon and vision on plants, their growth and development and their importance in providing better health and environment.



Students on a visit to IIHR, Hessaraghatta, Bangalore



Students visiting the experimental field at IIHR, Bangalore during Kisan Mela

RESEARCH & DEVELOPMENT SUPPORT

PNASF/MHPS/2005 - Biological Science and Nutrition Project

Many children in the world are suffering or dying each year from the effects of ill health and poor nutrition. The main theme of World Health Day 2006 advocated by WHO is 'Working together for health'. Likewise the FAO is also striving hard towards promotion of Food and Nutrition Security of the human kind. These global organizations have given a humble call to all National Governments, Private Sectors, NGO's and those who have to extend their might in achieving the goals. Responding to the call, the PNASF has taken up yet another Project on 'Nutrition' for the children which aims at bringing awareness about nutrition and better health by educating the school children about the role of fruits and vegetables in nutrition and health improvement and further learn the skills of growing fruits and vegetables and understand the science of crop husbandry particularly the horticulture crops to their advantage and the community at large.

The PNASF has implemented this 'Biological Science and Nutrition Project' for the benefit of school children of the Government Model Higher Primary School, Geddalahalli, Bangalore by providing financial assistance and expertise in crop husbandry.

Rationale

By 2025, half of the world urban population will be living in Asian cities (2.72 b). Urban farming is a global phenomenon being practiced by 800 million people contributing to 10 per cent of the world food production. About 2 billion people, especially women and children, are suffering from nutrient and vitamin deficiencies. Therefore, urban production of horticultural crops is an important activity to be recognized to mitigate hunger and correct malnutrition in urban poor.

The PNASF is committed to improve the nutritional security, especially of the undernourished urban communities. It is a novel concept to catch the young school children, to create awareness about the gaps in nutrition and help them to experiment with the plants (fruits, vegetables and ornamentals) that can grow on terraces, backyards and other community lung spaces.

Objectives

- To create awareness about nutrition requirement and the gaps.
- To grow fruits and vegetables to learn their life cycle.
- To prepare the young minds to create a healthy world.

Implementation of the project

One hundred students were selected and grouped into 10 batches of 10 students each to take up pot culture experiments. To start with 100 earthen pots were filled with traditional pot mixture, red soil + sand + compost in equal proportion and placed on the terrace of the school building.

The seedling trays were filled by the school children with steam sterilized coco peat. Seeds of 10 types of vegetables were sown. The healthy seedlings raised in trays were transplanted in pots by the students.

A questionnaire was completed by participating students and teachers to assess the initial knowledge level about growing vegetables and fruits crops and nutritional aspects of these protective foods.

The project is aimed initially for a period of 3 years. The Karnataka Compost Development Corporation Limited, Bangalore has also associated with the project by providing technical guidance to the project and also by providing the soil media (vermin compost) requested for the entire period of the project.

PNASF/SUN/WD-SHG/2005 Promotion of Rural Women Self Help Group through Dairy Development Project

A new project has been initiated by the Dr. Prem Nath Agricultural Science Foundation (PNASF), Bangalore in order to assist rural poor women, by generating income through raising dairy cows. The selected rural women will be taught the simple inexpensive and effective ways of income generation through rearing milch cows with the assistance of critical mass of experts who can devote time, skill and work with them till the project is self-sustainable.

The project will be carried out by PNASF as funding and implementing agency, Namdhari Seeds Pvt. Ltd. for monitoring

project activities, a veterinarian doctor, dairy specialist and a bacteriologist for technical guidance, I.D. Halli Milk Cooperative Society for buy-back arrangement of the milk and 10 rural poor women beneficiaries as participants. The project activities will be coordinated by a technical advisor of the PNASF in collaboration with a veterinary doctor, a dairy specialist and a bacteriologist for cow rearing and compost management. The project site has been identified at I.D. Halli, 150 km from Bangalore for a period of 3 years.

Inputs : Initially each family will be provided with a milching cow and a female calf yielding on an average 10 liters of milk per day. Funds for the supply of concentrated feed (3 kg/day/head costing Rs. 30) during first six months as well as during the dry period of the cow will be provided under the project. In addition, simple tools, cow shed and necessary vessels and technical guidance will also be provided under the project. Provision for the supply of green grass and vegetable waste will be provided free of cost by the M/s Namdhari Fresh at the project site. Estimated project cost would be the 2.51 lakh.

Output : During the project period (October 2006 to June 2009), each family is expected to earn a gross income at Rs. 70/day by selling daily 10 liters of milk to the milk cooperative society. Their net income would be Rs. 50/day except during the dry period of the cow. At the end of the project, during October, 2009 onwards, each family will be possessing two milching cows and four male / female calves as their assets with adequate income.

Strategy

The workshop arrived at frame work for interdisciplinary activities to support their rational development of urban, peri-urban horticulture and its associated supply chains. The workshop also addressed strategy and policy needs as well as technical know how transfer facilitating individual countries to further develop structure and consolidate their own programmes.

As a part of technology transfer, experience from India on “Sustainable Re-Cycling Of Urban Waste Into Urban, Peri-Urban Substrate” was presented in the workshop by Mr. C. Basavaiah, Managing Director, Karnataka Compost Development Corporation Limited, (KCDC), Bangalore – India.

Sustainable recycling of urban waste

Criteria necessary for a sustainable re-cycling of urban waste through production of compost based organic manure and vermi compost like, source segregation of non-degradable inerts, use of microbial culture for reducing the period of decomposition of organic fraction of waste, proper decomposition of organic waste under controlled conditions of moisture, temperature, pH



The participants of the workshop in a Field visit - Discussions

and C:N ratio, yard management, use of suitable processing machineries and equipment, maintenance of quality parameters of organic manure and vermi compost, bagging and transportation were explained with the relevant photographs. It was explained that KCDC is producing organic manure at a cost of around USD 30 per ton and the same is being sold at a price of around USD 50/per ton including cost of bagging and transportation to farmers's doors. It was depicted that KCDC is earning profit since several years proving that re-cycling of urban waste is sustainable.

Urban waste based organic manure is safe for use as organic in-put

It was impressed upon the participants that the organic manure and vermi compost produced by scientific treatment will not have heavy metals and hazardous materials beyond tolerance level, if the hospital wastes, sewage wastes, industrial wastes and construction wastes are separated at source and treated in separate facilities.

Urban waste is a resource

It was emphasized that the urban waste should be looked at as a resource for production organic manure, power generation, Bio-methanation, Briquettes and pellets. As regards use efficiency of urban waste based organic manure and vermi compost, it was made clear that all organic manures and vermi composts should be recognized as an amendment or soil conditioner which helps improve physical, chemical and biological condition of the soil rather than recognizing it as a nutrient provider.

Sustainable horticulture

The participants of the workshop well received the concept of recycling of urban waste into useful organic manure for use in agriculture and horticulture. The representatives of most of the SADC countries were of the view that such a facility would be more useful for an integrated nutrient management in a bid to attain sustenance in horticulture as organic manure acts as drought proofing material especially in scanty rainfall areas.

INTERNATIONAL CO-OPERATION

SOUTH - SOUTH COOPERATION

With the growing importance of South-South co-operation in agriculture, the PNASF and the VEGINET took initiative in promoting the technical cooperation between Asia and Africa particularly India and Mozambique. In the area of urban and peri-urban agriculture, the PNASF recognized the utilization of urban waste as an important step where Mr. C. Basavaiah, M.D., KCDC, Bangalore was identified as an expert to educate with the technology to the beneficiaries.

In this context and in line with the growing demand among the developing countries, the VEGINET in collaboration with FAO took initiative of promoting the dissemination of this knowledge on



The participants of the workshop in a Field visit - Discussions

South-South cooperation basis in the developing world. The FAO through the assistance of VEGINET on the recommendation of PNASF, Bangalore assigned Mr. C. Basavaiah on South-South Co-operation terms for lecturing at the FAO workshop on Urban and Peri-urban Agriculture in African countries organized in Maputo, Mozambique held during July 04-07, 2006. The workshop was hosted by Government of Mozambique with the technical support from FAO and financial support from Norway.

Objective of the workshop

Issues like capacity building on policy and strategy for urban, peri-urban horticulture development, consolidation of regional co-operation in Southern African Development Community (SADC) and other African countries were dealt in the workshop.

INTERNATIONAL CO-OPERATION

Farmers association an ideal arena for vermi-composting

FAO organized field visits and during interaction with the farmers, it was understood that farming in these area is being practiced through the farmers associations. The per capita application of manure per hectare is far below the average of any developing country, so is also the production level. As farming is managed by farmers associations, vermi compost at community level will turn-out to be boon for farmers of the area.

In order to increase the yield levels and achieve self-sufficiency in the food production, create employment opportunities to the rural poor and also prevent the environmental pollution in the cities recycling of urban waste through production of organic manure and vermi compost is an essential activity.

Prevention of environmental pollution is an obligatory function of municipalities

The representatives of Maputo Municipal Corporation and the World Health Organization were moved by the experience of India in a cost effective recycling of urban waste. The municipal Corporation, Maputo had a separate meeting with Mr. C. Basavaiah, Managing Director, Karnataka Compost Development Corporation Limited, and expressed their interest in trying KCDC technology on a pilot project basis.

The Secretary, Belgium Embassy at Maputo also had an interaction with Mr. C. Basavaiah and expressed her happiness over a cost effective technology developed for treatment of urban waste. She was of the view that KCDC technology can be replicated for solving the urban waste menace in preventing environmental pollution and also to make available the organic manure to the farmers of the area.



Shri C. Basavaiah, discussing with a participant of the workshop

Participants

Senior Executives of Municipalities and Agriculture Department of SADC countries namely South Africa, Tanzania, Malawi, Mauritius, Madagascar, DR Congo, Lesotho, Botswana, Namibia and Rwanda, Burundi, Ethiopia participated in this workshop. Ms. Alison Hodder and other senior officers of FAO conducted the workshop.

Vegetable Science International Network (VEGINET)

The "VEGINET" was formed by the International Conference on Vegetables (ICV-2002) on 13th November, 2002 and launched on 3rd November 2003 by the PNASF, Bangalore hosting the VEGINET Secretariat with the Nomination Committee representing members from different regions of the world.

The structure

As a first step, a Nomination Committee (NC) was constituted and the **PNASF, Bangalore, India would host the Secretariat**. The NC in turn would nominate the Executive Council Members of the VEGINET. This Executive council will develop a constitution for the network.

The Vision

The goal of VEGINET will be to strengthen partnership and inter-institutional cooperation among the member organizations of the vegetable sector towards improved production and utilization of vegetables.

Membership

The membership of the VEGINET will be open to both private and public sector organizations actively engaged in vegetable and related research and development.

The details about the objectives, broad structure, the funding, membership details and activities are available on the website : www.pnasf.org.

As recommended during the first ICV held in 2002, the VEGINET would be organizing the second ICV during September 10-13, 2007 at Fortaleza, Brazil. The details are given below.

Second International Conference on Vegetables (ICV-2007)

First Announcement

Vegetables biodiversity, breeding and production for health and improved livelihood, Fortaleza 10-13 September 2007

Invitation

The Organizing Committee is pleased to announce that the second International Conference on Vegetables (ICV-2007) will be held **10-13 September, 2007**, Fortaleza, Brazil. The conference will provide a common forum to facilitate interaction of knowledge, experience and ideas among the professionals, policy makers, entrepreneurs, progressive farmers on issues of national and international importance related to sustainable vegetable production and consumption, income generation and health improvement. It is our pleasure to cordially invite you all to participate in the conference

Background

The first International Conference on Vegetables (ICV-2002) was organized by the P.N. Agricultural Science Foundation, Bangalore and Indian Society of Vegetable during November 11-14, 2002 in Bangalore, India in collaboration with FAO, the World Vegetable Centre and other national and international organizations. About 700 participants from 40 countries discussed over 600 papers and posters presented on its 13 Theme Areas of scientific, technological and economical importance. They strongly felt at the conclusion of the conference that this phenomenal knowledge and much more of it that is available globally and will be available in the future should be collected, consolidated and easily retrieved and shared for appropriate use by the stakeholders. Therefore, the General Assembly of the conference ICV-2002 decided to establish Vegetable Science International Network (VEGINET) and mandated it to hold the second conference.

Objectives

- To provide a platform for identification of specific and identical problems in vegetable sector, help solution to common problems through participation, discussion, exchange of experiences and ideas, genetic material and assistance in R & D.
- To provide a forum for vegetable scientists, food processors, nutritionists, biochemists, clinicians and physicians to exchange information and bridge the communication gap among the horticulture sciences, nutrition and health sciences.
- To promote and strengthen VEGINET to assist follow up action and implementation of the recommendations and the conference as well as to develop sustainable regional collaboration in vegetable sector with linkage to international institutions.

INTERNATIONAL CO-OPERATION

Thematic subject areas

1. Biodiversities
2. Genetics, Plant Breeding and Biotechnology
3. Production Technology, Organic Production
4. Protection Technology
5. Post-harvest Physiology and Technology
6. Hybrid Seed Production
7. Vegetables and Nutrition
8. Vegetables and Health
9. Under-utilized Vegetables
10. Supply chain, Marketing and Technology Transfer
11. Country Development Policies and Programmes
12. Technical Cooperation Among Developing Countries

The conference activities

It will include the following;

1. Lead papers by invited speakers
2. Oral presentation on Theme Areas
3. Poster presentations on Theme Areas
4. Exhibition
5. Professional Tours
6. Memorial Lectures
7. Social Events

	AM	PM
1st day	Registration/Inauguration	Technical Session
2nd day	Technical Session	Technical Session
3rd day	Technical Session	Closing Session
4th day	Study tour	

Technical sessions – 3 sessions to run parallel

Evenings: Memorial Lectures /Cultural Programmes/Dinners

Language

The official language of the conference will be in English

Organizers

The Second International Conference on Vegetables (ICV-2007) will be hosted by the Municipality of Fortaleza, Brazil, and organized by ;

- Municipality of Fortaleza, Brazil
- Food and Agriculture Organizations of the United Nations (FAO), Rome
- Vegetables Science International Network, Bangalore (VEGINET)
- P.N. Agricultural Science Foundation (PNASF), Bangalore
- World Health Organization (WHO), Geneva
- Empresa Brasileira de Pesquisa Agropecuaria (EMBRAPA), Brazil

Secretariat: EMBRAPA and VEGINET

Preliminary time-table – Important dates

☞ First announcement	:	September 2006
☞ Second announcement	:	December 2006
☞ Submission of abstracts	:	15th March, 2007
☞ Acceptance/ non-acceptance of presentation as oral or postal	:	15th May, 2007
☞ Deadline for registration/ accommodation and travel plan/ exhibition /training/ post-conference study tour and excursion	:	15th June, 2007

Venue

Fortaleza, Brazil

Fortaleza (**Portuguese** for **fortress**) is the state capital of Ceará, located in northeastern **Brazil**. With a **population** of almost 2.5 million, it is considered the second most important city in the Northeast Region in economic terms, after **Salvador** in **Bahia**. Fortaleza has an area of 336 sq km.

Three thousand hours of sunlight per year and the constant ocean breeze make Fortaleza an appealing tourist attraction. Touristic industry is one of the main industries in Fortaleza. Services and fishery (mainly lobster and shrimp) are among the most important economic sectors in the city. Fortaleza is also well known by its rich handcraft.

During September the temperature ranges from 23 – 29 o C with 10 mm rainfall.

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SCHOLARSHIP/GRANT/MEDAL

o PNASF/UAS/2001

The PNASF Gold medal was awarded to the Ph.D student Mr. Lakshmiopathy R. for highest grade point average at the University of Agricultural Sciences, Bangalore. The award was presented during the University's 40th Convocation held on 18th March, 2006

o PNASF/AHUJA/2001

Mr. Mukund Shiragur, Ph.D. Scholar(Floriculture), University of Agricultural Sciences, Bangalore, the recipient of PNASF Fellowship-Devki Devi Ahuja Award for the year 2004-2006 successfully completed his research work on chrysanthemum and reproduced the report as follows ;

The garden chrysanthemum (*Dendranthema grandiflora* Syn. *Chrysanthemum morifolium*) is a hexaploid with chromosomes number $2n=54$ ($n=9$) and has a self-incompatibility system, hence new cultivars are difficult to obtain by crossing. Traditionally, the identification of ornamental plant cultivars has been based on morphological characters and in particular on the colour of the inflorescence, but this method needs the plants to be seen in flowering. Better methods involve DNA markers like RAPD, AFLP etc., which confirms greater application in the identification of cultivars. Since, a few difficulties are experienced with respect to RAPD (reproducibility), the utilization of AFLP is more reliable and accurate. Based on the advantage of the AFLP (Amplified Fragmented Length Polymorphism) an investigation on "*Characterization of Chrysanthemum germplasm/varieties through AFLP markers*" was carried out at Dept. of Horticulture, UAS, GKVK, Bangalore. 40 genotypes were used and the DNA extraction and AFLP protocol has been standardized. Ten primer combinations were analyzed and found highly polymorphic and very efficient in distinguishing the varieties and closely related mutants in the investigation.

SEMINAR

- The key note address was delivered by Dr. Prem Nath during the inauguration of the Biological Science Exhibition and of launching of Nutrition Project organized by the Dr. Prem Nath Agricultural Science Foundation, Bangalore in conjunction with Government Model Higher Primary School, Geddalhalli, Bangalore on March 11, 2006 at Bangalore.

PUBLICATIONS

- The abstract oral paper entitled 'Food and Nutrition Security and Horticulture' by Dr. Prem Nath, submitted to the ASHS 2006, USA.
- The abstract poster paper entitled 'Cucurbitaceous crops in Asia' by Dr. Prem Nath and Dr. Sundari Velu, submitted to the ASHS 2006, USA.

Publications on shelves

Description	India (In Rs.)	Foreign (In US \$)
Book – Food Security and Vegetables- A Global Perspective (Pages:437) 2004	400.00 + postage extra - PB type	50.00 including postage for both PB and HB type
ICV-2002 Proceedings – CD (Pages:931) 2003	500.00+ postage extra – HB type	10.00 including foreign postage
VEGINET Booklet (Pages: 22) 2003	35.00 including postage	5.00
ICV-2002 Abstract Book- (Pages:445) 2002	600.00 including inland postage	35.00 including foreign postage
ICV -2002 Souvenir (Pages:124) 2002	575.00 including inland postage	25.00 including foreign postage
PNASF NEWS Volume I, 4 issues	Free of charge	Free of charge

- 25% discount given to PNASF and VEGINET members, professors, students and libraries.**

How to order?

Making online order to pnasf@vsnl.net and sending Bank Demand Draft or Cheque in favour of Dr. Prem Nath Agricultural Science Foundation, A/C No.: 37688, payable at Canara Bank, Vyalikaval, Bangalore – 560 003, India.

INFORMATION DISSEMINATION

Publication in press

Vegetables-Production and Utilization published by Dr. Prem Nath Agricultural Science Foundation (PNASF), Bangalore, India. (450 +xvi pages)

Plans on hand

While the ongoing activities will continue, the PNASF proposes to undertake new programmes and activities;

- Participation in conferences
 - o Assist in the preparation of the second International Conference on Vegetables (ICV-2007) scheduled September 10-13, 2007 in Fortaleza, Brazil.
 - o Host the VEGINET Secretariat
 - o Participate in upcoming national and international conferences
- Awards /grants to university students and researchers to continue
- Collaborate with the national and international institutions/ associations in the area of food and nutrition security etc.,
- Release of the new book entitled 'Vegetables – Production and Utilization'
- Collaboration with the University of Connecticut, USA for the project '**International Farming Systems: Sustainable Farming and Natural Resources Management Practices in the Developing World**'.
- Participation of PNASF in Annual Conference of American Society of Horticultural Science 2006 (ASHS 2006) at New Orleans, USA during July, 2006

OPPORTUNITIES

Awards/Scholarships

PNASF encourages universities/institutions to institute PNASF Medal Awards for outstanding

post-graduate students/young scientists working on research problems augmenting food and nutrition security and invites them to support these activities through funds.

Field projects

PNASF invites societies/associations/NGOs interested in implementing small rural community projects on self help income generation augmenting food security, for any assistance.

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Publications

The PNASF publications are available on price with the Central Secretariat, PNASF. Both perfect bound and hardbound copies of website www.pnasf.org

Contribution/Membership

Registration/membership/contribution either to PNASF or to VEGINET or to both may be obtained by completing the attached form and by paying the requisite fee.



Website : *The detailed activities of the PNASF are accessible on www.pnasf.org*

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Central Secretariat

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REGISTRATION FORM

VEGETABLE SCIENCE INTERNATIONAL NETWORK

(VEGINET)

REGISTRATION FORM

Please return this form to,

Convener,
Vegetable Science International Network (VEGINET),
9, 1st Cross, 1st Main, 1st Block,
Rajmahalvilas Extension II nd Stage,
Bangalore – 560 094
Karnataka, INDIA

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