



Chairman, PNASF Speaks

During 1998, the world observed the World Food Day with the theme Women Feed the World. Is it true? Over the decade now, how far have we progressed? It is yet a long way to go.

- ⇒ In reality, the woman is the real mother of food and nutrition security. She gives birth to baby- mother who will be the future provider of food to family- from seed to harvest and from harvest to kitchen and on the dining table. We men enjoy the food produced and cooked by women, but usually forget to acknowledge the solemn and humble contribution made by her silently through day in and day out. Whether it is rural or urban women, they are the food providers.
- ⇒ Despite their contribution to agriculture and food security, their work is not recorded in statistics or mentioned in reports. As a result, their contribution is poorly understood and often underestimated. Work in a household is often considered to be part of woman's duties as wife and mother, rather than an occupation to be accounted for in both the household and the national economy. Outside the household, a great deal of rural women's labour whether regular or seasonal- goes unpaid and is, therefore, rarely taken into account in official statistics (FAO,1998).
- ⇒ When data is collected for national statistics, gender is often ignored or the data is biased in the sense that it is collected only from men, who are assumed to be the heads of households (FAO, 1998).
- ⇒ Rural women often lack education and opportunities to learn about new technologies. Appropriate education for rural women will bring benefits to all house-hold members as well as the community.
- ⇒ Women are providers of the nourishment and health to all in the family. The nutritional well-being of their families depends on their decision in selecting a variety of foods to provide a balanced and nutritious diet. However, their important contributions to food security are not fully recognized (FAO, 1998).
- ⇒ Since women's work categorized as family labour is often unpaid, they are passed over by official statistics and denied access to

productive resources and of their immediate bio-resource environment, it is not given credit or taken into account in designing technology for increasing productivity or renewing ecological resources (FAO, 1998).

Under Commitment of the World Food Summit Plan of Action agenda (1996), Governments committed themselves to

- support and implement commitments made at the Fourth World Conference on Women, that a gender perspective is mainstreamed in all policies.
- promote women's full and equal participation in the economy including secured and equal access to and control over credit, land and water;
- ensure that institutions provide equal access to women;
- provide equal opportunities for both men and women for education and training in food production, processing and marketing;
- tailor extension and technical services to women producers and increase the number of women advisors and agents;
- improve the collection, dissemination and use of gender-disaggregated data (which distinguishes between males and females);
- focus research efforts on the division of labour and on income access and control within the household;
- gather information of women's traditional knowledge and skills in agriculture, fisheries, forestry and natural resources management.

How much have we progressed in these regard?

- Strategies for women empowerment in all areas of food and agriculture need to be developed and implemented sooner the better. In spite of heavy contribution in food and agriculture by women, it has not been adequately recognized at any level-from panchayat (village body) to policy level. Unless serious considerations are undertaken and government policies enacted to empower women, national food, agriculture and human health will continue to remain in danger.
- It is high time that governments include women perspective in all policies in order to get success in the mission to achieve food and nutrition security and health of the nation.

Prem Nath
 Chairman, PNASF

Events

ISEC/PNASF Seminar on Development Trends in Urban and Peri-Urban Agriculture (UPA)

- On the initiative by the PNASF, the Institute of Social and Economic Change (ISEC), Bangalore and P. N. Agriculture Science Foundation, Bangalore jointly organized a Seminar on Development Trends in Urban and Peri-urban Agriculture (UPA) at the Institute for Social and Economic

Change (ISEC), Bengaluru, on August 08, 2013 in order to view and assess the development / progress taking place in agriculture with speedy urbanization process. About 50 invitees were present and 13 invited papers on different aspects of UPA were presented.

Events



Dignitaries during the seminar on Development Trends in Urban and Peri-Urban Agriculture (UPA)

● Background

UPA has been developing in different forms. Technology, production structure and marketing pattern of UPA products have also been changing in response to emerging changes in consumption pattern of urban people. Therefore, there is a need to fully understand the trends in development of urban and peri-urban agriculture, and predict its prospects with the expansion of urban area. The proposed seminar intended to examine the development trends in UPA.

● Inauguration

The inaugural session was presided over by Dr. R. Dwarakinath, Chairman, AME Foundation and former Vice-Chancellor of the University of Agricultural Sciences, Bangalore. Prof. R.S. Deshpande, Director, ISEC welcomed the invitees present and Prof. P.G. Chengappa, ICAR National Professor, ISEC spoke about the Seminar. Dr. Prem Nath, Chairman, PNASF and former Asst. Director General, FAO delivered the key-note address. Dr. Elumalai Kannan, Assoc. Professor, ISEC, extended vote of thanks.

● Technical Sessions

The first Technical Session was chaired by Dr. G.K. Veeresh, former Vice-Chancellor, UAS, Bangalore; the second Technical Session was chaired by Dr. Pramod Kumar, Professor and Head, ADRTC, ISEC; and the third Technical Session was chaired by Prof. P.G. Chengappa. The concluding session was chaired by Prof. R.S. Deshpande which was followed by the reflection of the participants.

● Papers Presented

The papers presented during the seminar were;

1. Key note address- Progressive Development of Urban and Peri-urban Agriculture, *Dr. Prem Nath, PNASF, Bangalore*
2. Peri-urban Agriculture: A Sustainable Solution to Alleviate Urban Poverty, *Dr. R.S. Deshpande, Dr. Amalendu Jyotishi, Dr. B. Satyasiba & Dr. P. Amersinghe, SriLanka*
3. Development Initiatives in Food Production, Utilization and Management in Urban and Peri-urban Agriculture in Asia, *Dr. N. Nagaraj, ICRISAT, Hyderabad*
4. Urban and Peri-urban Agriculture: Initiatives of AME Foundation, *Dr. R. Dwarakinath, AME Foundation, Bangalore*
5. Policies for Enhancing Multi-stakeholder Collaboration for the Success of Urban and Peri-urban Agriculture (UPA), *Dr. P.G. Chengappa, ICAR National Professor, ISEC, Bangalore*
6. Entrepreneurs and Innovators in Public-Private Partnership (PPP): Urban and Peri-urban Agriculture, *Dr. G.P. Reddy & Dr. Vijaya Chandra Reddy, NAARM, Hyderabad*
7. Urban Farming, a Critical Need for Growing Cities, *Dr. B.N. Vishwanath and Dr. Rajendra Hegde, Consultant (Organic Farming & Terrace Garden), Bangalore*
8. Economics of Peri-urban Agriculture - Case of Magadi in Bangalore Metropolitan Authority area, *Dr. U.C. Ramalingegowda, Dr. M.G. Chandrakanth, Dr. P.S. Srikanthamurthy, Mr. C.G. Yadav & Dr. N. Nagaraj, UAS, Bangalore*
9. Development of Urban and Peri-urban Dairying: A Study in Bangalore City, *Dr. Ramappa K.B., Dr. A.V. Manjunatha & Dr. Elumalai Kannan, ISEC, Bangalore*
10. Urban Agglomeration and its Impact on Tank Irrigation in Tamil Nadu: Temporal and Spatial Analysis, *Dr. A. Narayanamoorthy, Alagappa University, Tamil Nadu*
11. Tracking Changes in Land Use, Hydrology and Farmers Perceptions in a Wastewater Dominated Urbanizing Peri-urban Watershed in Hyderabad, India, *Dr. J. Mahesh, Dr. P. Amerasinghe & Dr. P. Pavelic, IWMI, Hyderabad*
12. Economics of Urban Wastewater Agriculture: A Case Study in a Peri-urban area of Bangalore, *Dr. S. Puttaswamaiah, Bangalore University, Bangalore*
13. Growth of Horticultural Sector: An Indicator of Urbanisation and Overall Development, *Ms. Rohi*

Events

Choudhary, Dr. Komol Singha & Mr. Kedar Vishnu, ISEC, Bangalore

14. Urban Horticulture-Corporate and Civic Social Responsibility, *Mr. P.B.Gaddagimath, IIHR, Bangalore*

- **Organizing Team**

Dr. Elumalai Kannan supported by Prof. Pramod Kumar and other staff of ISEC, Bangalore coordinated the program under the guidance of Prof. Deshpande and Prof. Chengappa. The PNASF extended all possible support on

programming, providing professional inputs and in the publication of the proceedings of the seminar. The proceedings of the seminar containing all papers presented will form the joint publication of the ISEC and PNASF, which is expected to be published soon for the benefit of all interested. The PNASF and ISEC have agreed to continue working together on UPA.

The PNASF acknowledges gratefully the best cooperation of ISEC in organizing this event in the interest of all stakeholders of UPA.

Visit to Vegetable Field Day at the Indian Institute of Horticulture Research, Hessarghatta



Spinach Demonstration Plot at IIHR

On the invitation of Director, IIHR, Bangalore, Dr. Prem Nath and Dr. K.R.M. Swamy participated in the 'Vegetable Field Day' at IIHR, Bangalore on September 09, 2013. Many of the most potential vegetable varieties and hybrids developed by IIHR in the recent past and some of the popular varieties of vegetables developed earlier but still are in commercial cultivation were demonstrated in the field during the field day. Dr. Prem Nath and Dr. K.R.M. Swamy visited the vegetables demonstration plots. Dr. A.T. Sadashiva and other scientists of Division of Vegetable crops explained the breeding research work undertaken on different vegetable crops including leafy vegetables, cucurbits including melons, gourds and pumpkins, Solanaceus crops including tomato and eggplant, okra, leguminous crops including beans and other vegetable crops. The interesting part was that some of the varieties developed during 70's and 80's are still popular and in commercial cultivation. The pumpkin variety, Arka Suryamukhi developed during 1970s continued to be in commercial cultivation even today.

The visit to field plots was followed by formal in-house discussion where Dr. Sadashiva welcomed the invitees about 200 in attendance. The dignitaries on the dais were Dr. A.S.



Tomato Demonstration Plot at IIHR

Sidhu, Director, IIHR, Shri M.K. Shankarlinge Gowda, Principal Secretary (Horticulture), Government of Karnataka, Dr. Prem Nath, Chairman, PNASF, Dr. D.L. Maheshwar Director and Dr. Ramkrishnappa Addl. Director, Department of Horticulture, Govt. of Karnataka and Mr. N. Bose Mandanna, a progressive farmer from Coorg.

Addressing the gathering Dr. Prem Nath highlighted on the contribution of horticulture particularly vegetables to food security and particularly as the major contributor to nutrition security. He further said that he was pleased with the outcome of the research work done on vegetables, which reminded him of the outstanding vegetable breeding research work done during 1970s with high yielding vegetable varieties released which brought name to the newly born institute, IIHR. Dr. Nath was pleased to see the outstanding field results and congratulated the present research team in maintaining the tradition of vegetable research work and the spirit. It was encouraging that both breeder's and foundation seeds were being multiplied on large scale he added.

At this juncture, as the then Head and Senior Vegetable Breeder at IIHR, Bangalore, I am pleased to place on record the following historical events for the benefit of all readers.

Events



Dignitaries on the dais during the field day seminar

❖ First milestone of the IIHR-1970's

Since the inception of the IIHR, vegetable research programme was the first to bring the institute on the national map. Within 3 Years, new vegetable varieties were developed and released. The secret of the success was

- early introduction of large germplasm and advanced breeding lines
- favorable agro-climate allowing 2 to 3 generations of crops like cucurbit and Solanaceous crops and others in the field without glasshouse;
- in absence of laboratories, more field activities were undertaken;
- newly acquired land utilized with the cropping of vegetable crops only;
- dedicated group of scientists and supporting field staff without caring for time and timing and other facilities; and
- leadership of the then Director and Head of the Division of Vegetable crops.

❖ Research and Development

There has to be a successful marriage between research and development in order to convey research results to the field successfully. When IIHR was launched in 1968, the maximum support was extended by (a) Department of Agriculture (b) Department of Horticulture, Government of Karnataka (c) University of Agricultural Sciences, Bangalore (d) newly recruited scientists and (e) some former staff and village neighbors.

- a) Ministry of Agriculture, Government of Karnataka facilitated very efficiently the acquisition of land from hundreds of farmers where Mr. Chiranjeevi Singh then Dy. Secretary, assisted greatly.
- b) Dept of Horticulture, Govt of Karnataka supported strongly the collection of vegetable germplasm from all over Karnataka where Dr. M. H. Mari Gowda, the then Director of Horticulture deputed his senior official Mr. H.P. Ramakrishna to travel along with me for days, weeks and months to collect vegetable germplasm from all over the State of Karnataka. Some of the new varieties released during 1970's as for example



Dr. A.S. Sidhu, Director, IIHR felicitating Dr. Prem Nath

pumpkin variety, Arka Suryamukhi had its germplasm source from Karnataka.

- c) The founder scientists were very dedicated and motivated by the leadership.

On this occasion, I was really pleased to see the leader of the Institute-Director (Research), Principal Secretary (Horticulture) and Director of Horticulture, Govt. of Karnataka (Development) and beneficiary (Farmer) sharing the same platform to exchange issues and views relevant to vegetable sub-sector.

❖ Institute land

We must know about the land on which we gathered to demonstrate the progress on this field day. We must pay homage to the farmers and promise that we have utilized this land for the betterment of human kind.

I have been personally a witness and actor to the process of expediting the papers with the Ministry for acquiring the land from hundreds of farmers. Here my colleague late Mr. B.C. Mruthyunjaya and myself and few others had to face the anger of small farmers who accepted or opposed or felt sorry on losing their own land. Some handed over quietly, some opposed strongly creating law and order issues, and some bursted into tears particularly elderly women because they were losing their own mother land. We must extend our gratitude to them.

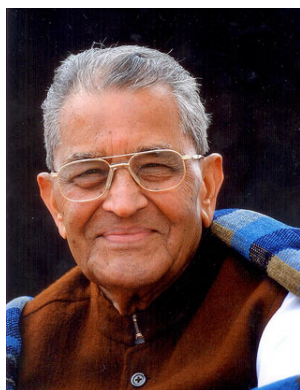
❖ Appreciation and gratefulness

I was moved very much to meet my former colleagues after decades who had worked with me shoulder to shoulder night and day and for several years. I must put my appreciation on record and expression to my former colleague, gardener Shri Basanna and others, field men Shri Jayapalan, Shri Bylanjanappa and others, and former scientists Dr. K.R.M. Swamy, Dr. Pathak and others who met me during this field day and had put their sweat and blood in supporting the founding vegetable research programme and the institution. I thank IIHR for inviting the former colleagues on this occasion.

On behalf of PNASF and on my own behalf, I thank the IIHR for providing an opportunity to witness the vegetable research findings in the field and to update me on the latest achievements.

Events

PNASF Participates in Pandit Jawahar Lal Nehru's 124th Birthday Celebration: 9th Special Lecture on Science, Technology and Sustainable Development, organized by MVR Foundation, Bangalore



Shri M.V. Rajasekharan

On behalf of the PNASF, Dr. Prem Nath attended the ninth Special Lecture organized on the occasion of the 86th Birthday Celebration of respected Shri M.V. Rajasekharanji, former Union Minister of State for Planning, Government of India at Bharatiya Vidya Bhawan, Bangalore on September 12, 2013. The event was organized by the M.V.R. Foundation, a Charitable Trust for Promotion of People's Dialogue for

Sustainable Rural Development and Food Security System located in Bangaluru-560004. It was attended by about 500 people from all walks of life including dignitaries, academicians, politicians and farmers.

Dr. K. Narayana Gowda, Vice-Chancellor, University of Agriculture Sciences, Bangalore Presided over the function and the Special Lecture was delivered by Prof. V.S. Ramamurthy, former Secretary, Department of Science and Technology, Govt of India. Shri M.V. Rajasekharan expressed his impressions and gratitude to the people and the nation.

In his Special Lecture on Science, Technology and Sustainable Development with a major focus on energy and its

utilization in India, Prof. Ramamurthy illustrated on parity between India and other countries including China. He stated that Indian villages were generally rich in natural resources, particularly natural renewable energy resources like sun, wind, water and biomass. The village economy had traditionally been centered on these resources in some form or another said Prof Ramamurthy and expressed that ready availability of electricity from the grid and easily transportable liquid hydrocarbon fuels like diesel, petrol and kerosene, often at subsidized costs, while reducing drudgery and improving the quality of life of those who can afford it, have not only devalued the local renewable energy resources but also have devalued human and animal labor and also moved jobs away from the rural areas into the urban, sometimes outside the country. Concluding his talk Prof. Ramamurthy said that it would not be unfair to say that supply of subsidized electricity and other hydrocarbon fuels from outside to the village community is the single largest cause of mass scale rural unemployment.

Mr. Rajasekharan focused his talk on developments in India, and its share to humanity for the upliftment of humans. He noted that while the development is taking place, there are millions who are devoid of these facilities and greater effort is required to make it to reach to every citizen. At the same time he focused on the present generation of human beings who are losing the virtue of humanity hampering the progress and development needs. He thanked the invitees for their presence and contribution.

PNASF Participates in ICSEP Seminar on India's Development - Current Scenario



Dignitaries on the dais during ICSEP Seminar

On invitation by the management of the Integrated Council for Socio- Economic Progress (ICSEP), Kerala, Dr. Prem Nath participated in the seminar on India's Development Current Scenario organized by the ICSEP at Citrine Hotel, Bangalore on September 22, 2013.



Award to the participant

On this occasion, the Chief Guest was Shri M.V. Rajasekharan, former Union Minister of State for Planning, Government of India; Dr. Prem Nath, Chairman, PNASF as the Guest of Honour and Dr. (Ms.) P. Selvie Das, former Member of Parliament, Government of India, were the Guests of Honour.

Events

More than a hundred invitees were present.

The Chief Guest, Mr. M.V. Rajasekharan encouraged and congratulated all the awardees who came from different sectors and from different States of the nation and reached heights and deserved very well the awards. Mr. Rajasekharan appreciated the efforts of the recipients of awards and advised them to keep up the spirits of devotion to work and serve human society. He further emphasized that everyone should understand the definition of humanity and must perform and extend fellowship among the members of society.

Dr. Prem Nath focused on the role of women in food and agriculture and highlighted their contribution to humans. He stated that human beings cannot survive without food, and food and nutrition cannot be attained without the valuable contribution from women. Women make important contribution in and outside households in rural area. In urban areas they procure and produce food, cook food and feed the family (the detailed statement provided).

Dr. P. Selvie Das highlighted the role of women in every walk of life and the family. From her experience, she gave several examples in different walks of life, particularly in educating girls and women. We have to be truthful in our efforts and serve the human society and the nation, she stated.

About 19 award winners were presented with mementos and certificates by the ICSEP. The awardees hailed from Karnataka, Orissa, Tamil Nadu, Andhra Pradesh, Maharashtra, Madhya Pradesh and West Bengal. They demonstrated their excellence in medical and health care, natural health, pharmacy, cultural activities including dance and beauty, human resources, education and business.

The PNASF appreciates the social service rendered by the management of ICSEP particularly Mr. Thomas Mathew and his team who organized this event in an excellent manner, encouraging the young leaders to achieve in life for improving the talent as well as to contribute to the welfare of the human society.

Excerpts of the talk delivered by Dr. Prem Nath on Women, Food and Agriculture during ICSEP Seminar



Dr. Prem Nath addressing the participants of the ICSEP Seminar

- On a global scale, women produce more than half of all the food that is grown. In sub-Saharan Africa and the Caribbean, they produce up to 80 percent of basic foodstuffs. In Asia, they provide from 50 to 90 percent of the labour for rice cultivation (FAO, 1998).
- Women in rural areas generally bear primary responsibility for the nutrition of their children. In addition, they are the principal food producers and preparers for the rest of the family.
- Despite their contribution to agriculture and food security, their work is not recorded in statistics. As a result, their contribution is poorly understood and often underestimated. Work in the household is often considered to be part of woman's duties as wife and mother, rather than an occupation to be accounted for in both the household and the nation economy. Outside the household, a great deal of rural women's labour whether regular or seasonal- goes unpaid and is, therefore, rarely taken into account in official statistics (FAO,1998).

- In most developing countries, women do not own the land they cultivate.
- Rural women often lack education and opportunities to learn about new technologies.
- Inside and outside the household, most of the women are engaged in home activities which are related to food and agriculture. Many of them enjoy home gardening but most of them must go for buying food. In addition, the kitchen activities are either operated or supervised by women and service the food at dinner led by the house lady.

❖ In Perspective

Based on the discussions above, the following presumptions are proposed by the speaker.

- ❑ Based on rough estimate the present world population is 6⁺ billion, whereas of India alone it is 1⁺ billion, thereby every 6th person in the world is an Indian, may be male or female, attaining important place in world human resources.
- ❑ About 1⁺ billion people in the world are suffering from hunger and malnutrition, out of which about 300 million are homed in India thereby indicating every 3rd or 4th person hungry is an Indian, may be male or female.
- ❑ According to FAO, half of the food produced in the world is by women only.
- ❑ According to one statistics, about 84% of the rural women in India are engaged in agriculture only.
- ❑ In present scenario, can we think of ensuring food and nutrition security without women or by not recognising their contribution and not encouraging and empowering them to improve food and agriculture? No! More or less

the same situation exists in most of the developing countries.

- In spite of large contribution by women in food and agriculture, it has not been adequately recognized at any level from panchayat (village body) to policy level. Unless serious considerations are undertaken and government policies enacted to empowerment of women, national

food, agriculture and human health will continue to remain in danger.

- It is high time that governments include women perspective in all policies in order to get success in the mission to achieve food and nutrition security and health of the nation.

PNASF Participates in the Launching of International Year of Family Farming-2014

ಕುಟುಂಬ ಕೃಷಿಗೆ ಸಹಕಾರಿಯಾಗುವ ನೀತಿ ಅಗತ್ಯ: ಚಿರಂಜೀವಿ ಸಿಂಗ್

ಬೆಂಗಳೂರು: ಸಣ್ಣ ಹಾಗೂ ಅತಿ ಸಣ್ಣ ಹಿಡುವಳಿದಾರರ ರಕ್ಷಣೆಯ ಒತ್ತಾಸೆಯೊಂದಿಗೆ ವಿಶ್ವಸಂಸ್ಥೆ 2014ನೇ ಇಸವಿಯನ್ನು ಅಂತಾರಾಷ್ಟ್ರೀಯ ಕುಟುಂಬ ವರ್ಷವನ್ನಾಗಿ ಘೋಷಿಸಿದೆ. ಈ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ರಾಜ್ಯದಲ್ಲಿರುವ ಸಣ್ಣ ಮತ್ತು ಅತಿ ಸಣ್ಣ ಹಿಡುವಳಿದಾರರ ಹಿತಾಸಕ್ತಿ ಕಾಯಲು ರಾಜ್ಯ ಸರ್ಕಾರ ಸೂಕ್ತ ನೀತಿ ರೂಪಿಸಿ, ಅನುಷ್ಠಾನಕ್ಕೆ ತರಬೇಕು ಎಂದು ನಿವೃತ್ತ ಐಎಎಸ್ ಅಧಿಕಾರಿ ಚಿರಂಜೀವಿ ಸಿಂಗ್ ಆಗ್ರಹಿಸಿದ್ದಾರೆ.

ಕೃಷಿ ತಂತ್ರಜ್ಞರ ಸಂಸ್ಥೆಯಲ್ಲಿ ಶುಕ್ರವಾರ 'ಕುಟುಂಬ ಕೃಷಿ ವರ್ಷ 2014' ಕಾರ್ಯಕ್ರಮ ಉದ್ಘಾಟಿಸಿ ಅವರು ಮಾತನಾಡಿದರು.

ಅವಿವಿಧ ಕುಟುಂಬಗಳು ವಿಭಿನ್ನವಾಗಿವೆ ಮತ್ತು ಅವು ಕುಟುಂಬಗಳಾಗಿ ಮಾರ್ಪಡುವಂತೆ ಗ್ರಾಮೀಣ ಪ್ರದೇಶಗಳಿಗೂ ಹೆಚ್ಚು ಈ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಹಿಡುವಳಿಯ ಗಾತ್ರ ಕೂಡ ಕುಗ್ಗುತ್ತಿದೆ. ಇದರಿಂದಾಗಿ ಕುಟುಂಬ ಕೃಷಿಗೆ ಒತ್ತು ನೀಡುವ ಸಲುವಾಗಿ ಸೂಕ್ತ ನೀತಿಯನ್ನು ಸರ್ಕಾರ ರೂಪಿಸಿ, ಜಾಗರಿತರಬೇಕೆಂದು ಸಣ್ಣ ಹಿಡುವಳಿದಾರರ ಸಮಸ್ಯೆಗಳನ್ನು, ನೀತಿಗಳಲ್ಲಿರಬೇಕಾದ ಅಂಶಗಳು ಏನು ಎಂಬುದನ್ನು ರೈತರಿಂದಲೇ ಕೇಳಿ ತಿಳಿದುಕೊಂಡು ಅವನ್ನು ನೀತಿಯಲ್ಲಿ ಅಡಕತೆಗೊಳಿಸಬೇಕು ಎಂದು ಅವರು, ಈ ಸಮಸ್ಯೆಗೆ



'ಕುಟುಂಬ ಕೃಷಿ ವರ್ಷ' ಉದ್ಘಾಟನೆಯಲ್ಲಿ ಸಂವಾದ ನಡೆಸಿದ ಡಾ.ವೇಮನಾಥ್, ಚಿರಂಜೀವಿ ಸಿಂಗ್.

ಸಹಕಾರಿ ಕೃಷಿ ಒಳಿಯ ಉತ್ತರವಾಗುವ ಸಾಧ್ಯತೆ ಇದೆ ಎಂದು ಸಲಹೆ ನೀಡಿದರು. ಸಹಕಾರಿ ಸಂಘಗಳಿಗೆ ಕೊಡುವ ಸವಲತ್ತುಗಳನ್ನೇ ಕುಟುಂಬ ಕೃಷಿಗೂ ವಿಸ್ತರಿಸಿದರೆ, ಹೆಚ್ಚು ಅನುಕೂಲವಾಗಬಹುದು. ಆದ್ದರಿಂದ ಸರ್ಕಾರ ಈ ನಿಟ್ಟಿನಲ್ಲಿ ಚಿಂತನೆ ನಡೆಸುವುದು ಒಳಿತು ಎಂದು ಚಿರಂಜೀವಿ ಸಿಂಗ್ ಹೇಳಿದರು.

ಓನ್‌ಎನ್‌ಎಫ್‌ಎನ್ ಅಧ್ಯಕ್ಷ ಡಾ. ಪ್ರೇಮ್ ನಾಥ್, ಕೃಷಿ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಮಿಷನರಿಯಾಧಿಕಾರಿ ಡಾ. ಎಸ್. ನಾಗರಾಜ್, ಕೃಷಿ ವಿಶ್ವವಿದ್ಯಾಲಯದ

ಹಳೆ ವಿದ್ಯಾರ್ಥಿಗಳ ಸಂಘದ ಅಧ್ಯಕ್ಷ ಪ್ರೊ. ವಿ. ವೀರಭದ್ರಯ್ಯ, ಕೃಷಿ ವಿವಿ ವಿಶ್ವಾಂತ ಕುಲಪತಿ ಹಾಗೂ ದಕ್ಷಿಣ ಭಾರತದಲ್ಲಿ ಕುಟುಂಬ ಕೃಷಿ ವರ್ಷದ ಅನುಷ್ಠಾನದ ಹೊಣೆ ಹೊತ್ತಿರುವ ಎಎಂಇ ಪ್ರತಿಷ್ಠಾನದ ಅಧ್ಯಕ್ಷ ಡಾ. ಆರ್. ದ್ವಾರಕೇಶವ್, ಡಾ. ಪ್ರೆ.ವಿ. ಮಲ್ಲಾರ್ಜಿ, ಎಲ್. ನಾರಾಯಣ ರೆಡ್ಡಿ ಮತ್ತು ಡಾ. ತ್ಯಾಗರಾಜನ್ ಅವರ ಅಧ್ಯಕ್ಷತೆಯಲ್ಲಿ ಪ್ರದರ್ಶನ ಮತ್ತು ಕರ್ನಾಟಕದ ವಿವಿಧ ಜಿಲ್ಲೆಗಳಿಂದ ಆಗಮಿಸಿದ ರೈತ ಪ್ರತಿನಿಧಿಗಳು ಉಪಸ್ಥಿತರಿದ್ದರು.

ಅಡುಗೆ ಮನೆ ನೀರಲ್ಲಿ ತರಕಾರಿ ಬೆಳೆದ ರೈತ ಮಹಿಳೆಯರು



ತಮಿಳುನಾಡಿನ ಧರ್ಮಪುರಿ ಜಿಲ್ಲೆ ಬರಪೀಡಿತ ಜಿಲ್ಲೆಗಳಲ್ಲಿ ಒಂದು. ಇಂಥ ಜಿಲ್ಲೆಯ ಗ್ರಾಮೀಣರ ಮಹಿಳೆಯರು ಅಡುಗೆ ಮನೆಯ ನೀರು ಬಳಸಿ ಕೈತೋಟದಲ್ಲಿ ವಿವಿಧ ಬಗೆಯ ತರಕಾರಿಗಳನ್ನು ಬೆಳೆದು ಹೊಸ ಇತಿಹಾಸ ಸೃಷ್ಟಿಸಿದ್ದಾರೆ. ತಾವೇ ಬೆಳೆದಿದ್ದ ತರಕಾರಿಗಳನ್ನು ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಪ್ರದರ್ಶಿಸಿದ್ದು ವಿಶೇಷವಾಗಿತ್ತು.

ಪ್ರತಿದಿನ ಅಡುಗೆ ಮನೆಯಲ್ಲಿ 22-25 ಲೀಟರ್ ನೀರು ಸಂಗ್ರಹವಾಗುತ್ತದೆ. ಈ ನೀರು ವ್ಯರ್ಥವಾಗದಂತೆ ನೋಡಿಕೊಂಡು, ಮನೆಯ ಮುಂಭಾಗದಲ್ಲಿರುವ ಒಂದೂವರೆ ಮೀಟರ್ ಮೂರು ಜಾಗದಲ್ಲಿ ವಿವಿಧ ಬಗೆಯ ತರಕಾರಿ ಬೆಳೆಯುತ್ತೇವೆ. ಮನೆಗೆ ಬೇಕಾಗುವಷ್ಟು ತರಕಾರಿಗಳು ಸಿಗುವುದರಿಂದ ವಾರಕ್ಕೆ ನಮಗೆ 200-300 ರೂ. ಉಳಿತಾಯವಾಗುತ್ತದೆ. ಹೆಚ್ಚುವರಿಯಾಗಿ ಉತ್ಪಾದನೆಯಾಗುವ ತರಕಾರಿಗಳನ್ನು ಮಾರಾಟ ಮಾಡುವುದರಿಂದ ಸ್ವಲ್ಪ

ಅಡುಗೆ ಮನೆ ನೀರಿನಲ್ಲಿ ಬೆಳೆದ ತರಕಾರಿಗಳನ್ನು ಪ್ರದರ್ಶಿಸಿದ ತಮಿಳುನಾಡು ರೈತ ಮಹಿಳೆಯರು. ಆದಾಯವೂ ಲಭಿಸುತ್ತದೆ ಎಂದು ತಮಿಳುನಾಡಿನ ರೈತ ಮಹಿಳೆಯರ ತಂಡದ ಮುಖಸ್ಥರು ವಿವರಿಸಿದರು.

Panelists during the launching of the International Year of farming 2014

Dr. Prem Nath was invited to the launching of the International Year of Family Farming-2014 organized by the AME Foundation, Karnataka Science and Technology Academy, Institution of Agriculture Technologists (IAT) and UAS Alumni Association, Bangalore at the B.J. Nanjudappa Hall of IAT, Queens Road, Bangalore on November 22, 2013. The Chief Guest on the occasion was Mr. Chiranjiv Singh, former Addl. Chief Secretary, Govt. of Karnataka; the Chairman was Dr. R. Dwarakinath, Former Vice-Chancellor, UASB and Chairman, AME Foundation; and Special Guests were Dr. Prem Nath, Dr. Honne Gowda, Dr. N. Nagaraja, and Prof. V. Veerabhadraiah. The participants were selected farmers from Karnataka, Andhra Pradesh and Tamil Nadu, who put live and material demonstrations on family farming.

The event was inaugurated by watering of a tulsi plant pot by the guests. The event was highlighted by presentation of the farmers and lively discussion between the guest panelists and the farmers on the subject of family farming. Different issues of operation and policy issues were discussed.

Mr. K.V.S. Prasad of AME, Foundation gave the background of the family farming and the announcement of 2014 as the International Year of Family Farming by the United Nations. He also briefed on the initiative undertaken by other NGOs in India

and abroad. The panelists expressed their views on the occasion.

Among the panelists, Dr. Prem Nath expressed his views and questioned the farmers on certain issues. He expressed that the initiative was timely and relevant in the present scenario of agriculture and food production. He emphasized that the family farming has been common to both developed and developing countries since time immemorial. But these two worlds differ in practice of family farming; the family farmers of developed countries are commonly larger than the developing countries where small farms dominate.

In the developing world, in practical sense, the family farming is synonymous to small farming and continues to carry all issues and bottlenecks associated with it. Hence, among the issues to be addressed in family farming are (a) Policy issues access to inputs including quality seeds, fertilizers, pesticides; availability of technology including low cost technology, access to credit, easy marketing channels, transport and storage. (b) Considering that a family farming unit is not economically viable, the Community Farming approach has proved successful in many cases, such as cooperatives, Self Help Groups and other people participation programmes. (c) In community farming, the adequate training of participants and beneficiaries is

essential. The utility of resources persons from one successful community farm to another distant new farm have ensured success in taluks, states and other developing countries.

After detailed deliberation, the event ended with presentation of a pot plant to each guest and of 2014 calendar to each farmer.

The PNASF appreciate the initiative of AME Foundation and other organizations in launching this programme to make all stakeholders aware of its usefulness in sustaining the small or family farmers.

PNASF Invited to 8th National Noni Symposium

On invitation by the management of the 8th National Noni Symposium Noni- Search 2013 with the theme Noni for Sustainable Wellness, Dr. Prem Nath attended it during October 29-30, 2013 at the University of Agricultural Sciences, Bangalore.

It was organized by the World Noni Research Foundation, International Society for Noni Science, Noni Biotech, Chennai, University of Agricultural Sciences, Bangalore, and University of Horticultural Sciences, Bagalkot.

As a member of the National Advisory Committee, PNASF attended the Inaugural, Technical and Valedictory Sessions. Dr. Prem Nath chaired the Session on Special Lecture by Dr. V.A. Parthasarathy.

The Chief Guest during the inaugural session was H.E. the Governor of Karnataka, Dr. Hans Raj Bhardwaj, and Dr. K. Narayana Gowda, Vice- Chancellor; UAS Bangalore presided with Dr. S. B. Dandin and others as Guests of Honor. Dr. P.I. Peter welcomed the guests, Dr. Kirti Singh delivered the introductory address, Dr. S.B. Dandin addressed the gathering and Dr. P.G. Chengappa extended the vote of thanks. The scientists, industrialists, farmers and beneficiaries of Noni products participated.

Participation in Seminar on India's Development - Current Scenario

Dr. Prem Nath was invited as the Guest of Honor during the Seminar on India's Development Current Scenario organized by the Integrated Council for Socio-Economic progress (ICSEP) Thrissur, Kerala at the Citrine Hotel, Bangalore on 15th December, 2013, The Chief Guest on the occasion was respected Shri M.V. Rajashekharan, former Union Minister of State for Planning, Govt of India. Dr. (Ms) P. Selvie Das, former Member of Parliament was the Guest of Honor along with two other dignitaries on the dais. About 100 invitees attended the programme.

Mr. Thomas Mathew, the General Secretary, ICSEP welcomed the guests which was followed by the address of the

dignitaries on the dais. Mrs. Bhubaneswari Rao (Nepal) highlighted the developments on education, Dr. P. Selvie Das spoke on different aspects of development in India, and Dr. Prem Nath highlighted the importance and significance of family farming. As announced by the United Nations, the next year 2014 was declared as the International Year of Family Farming. The Chief Guest Shri Rajashekharan ji reminded the participants about the rich indigenous resources of the nation like human resources and its values, and developments in food, agriculture, industry, natural resources and other areas.

The recipients of award about 40 in number, hailed from almost all states of India, Nepal and London. Their meritorious achievements in different professions varied greatly and ranged from medical, health, software technology, agriculture and biotechnology, to education and others. The awards in the form of memento and certificates were presented to the recipients by the Chief Guest and the Guests of Honor.

The event ended with vote of thanks by the ICSEP management to all participants and the participants expressed their appreciation to the ICSEP for encouraging the young and elderly persons in achieving their goals in life for the betterment of human kind and the nation.

COURTESY CALL

Meeting with the Minister of Law, Justice and Human Rights, Parliamentary Affairs and Legislation, Animal Husbandry, Government of Karnataka, Bangalore



*Honorable Minister
Shri. T.B. Jayachandra*

Dr. Prem Nath made a courtesy call on Shri. T.B. Jayachandra, Minister of a) Law, justice and Human Rights, b) Parliamentary Affairs and Legislation and c) Animal Husbandry in his office on September 25, 2013. Shri Jayachandra was familiar with the activities of the PNASF, when he was the Minister of Agriculture a decade ago. Dr. Nath updated him with the PNASF activities and presented him with the new PNASF publication entitled "**The Basic of Human Civilization Food, Agriculture and Humanity- Present Scenario: Volume-I.**"

On request, Honorable Minister kindly agreed to write the Message for the upcoming PNASF book entitled "**The Basic of Human Civilization Food, Agriculture and Humanity- Volume-III: Agriculture.**"

Honorable Minister showed interest in the activities of the PNASF and expressed his encouragement and support in the interest of animal husbandry and agriculture.

Research and Development support

Other Meetings/Seminars/Conferences attended

PNASF attended the following;

1. *Felicitation of Special Contributors of the University and Award Ceremony* held on October 05, 2013 at Kuvempu Sabhangana, University of Agriculture Sciences (UAS) GKVK Campus Bangalore, organized by UAS, Bangalore.
2. Brain-Storming Session on *The Mechanization for Small Holder* organized by National Academy of Agriculture Sciences, New Delhi and UAS, Bangalore held on October 06, 2013.
3. *National Advisory Committee Meeting of Noni-Search 2013* held on October 08, 2013 at Vice-Chancellor's Chamber, University of Agriculture Science (UAS) GKVK campus Bangalore, organized by World Noni Research Foundation, Chennai.
4. *Lecture Programme Series- 7 on Addressing Emerging Concerns of Indian Agriculture by Padmabhushan Dr. Raj. S. Paroda*, held on October 09, 2013 at Old Law College Building, Bangalore, and organized by Forum of Former Vice-Chancellors of Karnataka State Universities (FVCK), Bangalore.
5. *Inaugural Function of 8th National Conference on Krishi Vigyan Kendra-2013* held on October 23, 2013 at University of Agriculture Science (UAS), GKVK campus Bangalore, organized by University of Agricultural Sciences, Bangalore.
6. *Urban Krishi Mela and National Seminar Valedictory Function* held on October 28, 2013 at Conference hall, University of Agriculture Science (UAS) GKVK campus Bangalore, organized by UAS Bangalore.
7. *International Agriculture Fair* held during November 8 to 11, 2013 at University of Agriculture Sciences (UAS) GKVK campus Bangalore.
8. International Conference on *Extension Educational Strategies for Sustainable Agriculture Development A Global Perspective* held on December 05, 2013 at Kuvempu Sabhangana, UAS, GKVK, Bangalore organized by International Society of Extension Education, Nagpur, India; UAS, Bangalore; Indian Society of Extension Education (KC), UAS (B), Bangalore.
9. The 10th Special General Body Meeting and The 41st Annual General Body Meeting of the Institute of Social and Economic Change (ISEC), Bangalore held on December 19 2013 at ISEC, Bangalore.

RESEARCH AND DEVELOPMENT SUPPORT

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

A PNASF team consisting of Dr. Prem Nath, Dr. O.P Dutta, Dr. K.R.M. Swamy and Mrs. Divya visited I.D. Halli on Saturday, December 28, 2013 and held discussion with the beneficiaries at the premises of the M/s Namadhari Agro Fresh Private



PNASF Team - Dr. O.P. Dutta, Dr. Prem Nath, Dr. K.R.M. Swamy and Mr. Jayaplan during the project meeting at I.D. Halli

Limited, I.D. Halli. The objective was to review the progress and process of implementation of the project. Most of the beneficiaries or their representatives were present except few.

Since inception, the project was operated under the guidance of Dr. O.P. Dutta, the project coordinator. The interaction between the PNASF team and beneficiaries are summarized below;

I Beneficiaries Report

Each beneficiary reported on the cattle condition and status, milk production, and bank account opened, as mentioned below.

1. **Thimmakka:** From the original cow, she got 2 male calves and 2 female calves. One female calf gave birth to a male calf (3 month old) and yielding 4 liters of milk every day. The original cow was dead.
2. **Rathamma, Janakaloti:** From the original cow, she got 2 male calves and both died and 1 female calf (1 year old). Presently the cow was giving 1 liter milk every day.
3. **Narasamma/Gangamma (Cow's name Gowri):** From the original cow, she got 2 female calves, of which one was conceived. The cow was giving 3 liters of milk per day.
4. **Narasamma (Manjula):** Absent.



A group photo of all beneficiaries and visiting PNASF team at M/S Namadhari Agro Fresh Private Ltd, I.D. Halli

Research and Development support



Beneficiary Anjanamma with her proud cow

- Anjanamma:** Her daughter Bhagyamma attended. From the original cow, she got 2 male calves (both died) and 2 female calves. Each of these female calf gave one female calf. From one cow she was getting 6 liters of milk per day.
- Lakshmidevamma:** Her husband Narasappa attended the meeting. From the original cow, she got 2 male calves and one female calf. All have died. She has purchased a new cow and got 2 female calves from this cow; the first calf was 2 year old and the second calf was 4 month old. The cow was giving 4 liters of milk every day.
- Lakshminarasamma, Hosa Itakaloti:** To meet the marriage expenses of her daughter, she has sold off the cow. She is not in a position to buy a new cow. Because of non-operation of SHG, she could not get any assistance from it.
- Noor Jahan:** Her son Shabbier attended the meeting. From the original cow, she got 2 male calves (both died) and 1 female calf (2 year old). The mother cow was dead.
- Ashwathamma :** Her son Madhu attended the meeting. From the original cow, she got 1 male calf and 2 female calves (3 year old and 2 year old). The mother cow used to give 12 liters of milk per day but presently yielding 2 liters per day.
- Rathamma:** Absent. It was informed that she had left the village Hosa Itakaloti.



Beneficiary Anjanamma and her daughter Bhagyamma with her project cows

II Project Management

Based on the decisions of the previous meeting held on February 18, 2011, progress made by each member of the SHG at ID Halli, was reviewed on 28th December 2013. The following decisions were taken after the detailed discussion.

- Prathinidhi-1 and Prathinidhi-2 of SHG elected in the previous meeting neither conducted any meeting nor opened SB Account on behalf of SHG nor collected the contribution (daily/monthly) from individual members. Therefore, Smt. Ashwathamma (Mr. Madhu's mother) and Smt. Anjanamma (Smt. Bhagya's mother) were elected unanimously as Prathinidhi-1 and Prathinidhi-2, respectively w.e.f. 28th December 2013.
- Since Prathinidhi-1 and Prathinidhi-2 were illiterate; they will be assisted by her son Mr Madhu (PUC) and daughter Mrs. Bhagyamma (SSLC) respectively, for opening the Bank Account, collection of monthly contribution from members and crediting in the Bank. They will take the authorization letters from their respective mothers.
- Savings Account in the bank as agreed in the previous meeting will be opened in the name of "**Kamadhenu Self Help Group**" as agreed unanimously in the previous meeting.
- Mr. Madhu and Mrs. Bhagyamma assured that the SB account will be opened in the bank and contribution collected from individual members within a month's time. At the present Rs 100 per month will be collected by Mr Madhu from each member and deposited in the SHG Bank account. Mr Jayapalan will be guiding them.
- Dr. Prem Nath expressed satisfaction on the progress of the project-cattle condition and status, milk production, individual bank account opened except the SHG Account.

III Field Visit

The PNASF team visited the house of two beneficiaries namely, Smt. Ashwathamma/Mr. Madhu and Smt. Anjanamma/Mrs. Bhagyamma and inspected the project cows maintained by them.

- Smt. Aswathamma – The mother cows and calves totally five were very healthy and the beneficiary had own cultivation and could provide adequate feed. The beneficiary was satisfied with cattle and was proud to have project assistance.



Madhu son of Ashwathamma with the project cows

International Cooperation/Social Commitment

2. Smt. Anjanamma – The mother and cows totally six were in good health and happy with the project assistance.

It is planned that as soon as the Kamadhenu Self Help Group (KSHG) is formally established and becomes accountable, the PNASF will hand over the project to the KSHG for its operation.

PNASF/2005/Biological Science and Nutrition Project

The publication is under process.

INTERNATIONAL COOPERATION

Meeting at FAO Regional Office for Asia and the Pacific, Bangkok, Thailand

On October 18, 2013, Dr. Prem Nath made a courtesy call on the Asst. Director General and Regional Representative of FAO, Mr. H. Konuma at his office in Bangkok. A useful discussion was held on issues of food and agriculture in Asia.

Dr. Nath updated the status of progress with regard to SEAVEG-2014 which was being jointly organized by the FAO in February 2014. It was realized that vegetable development in Asia has great potential in improving quality production and distribution and its further development would lead to fulfilling demand not only of the member nations but also of the region and beyond.

It was identified that a regional project could assist and enhance the process of further developing vegetable industry of the region. PNASF offered it assistance in this regard.

Dr. Nath shared with Mr. Konuma the success of the regional symposium UPAFSA-2013 held early this year jointly organized by FAO and PNASF. He appreciated the initiative of the ADG/RR in approving new projects in augmenting UPA in the region based on the recommendations of this symposium.

Dr. Nath thanked Mr. Konuma for his support to vegetables and sparing his time for useful discussion.

Participation in SEAVEG-2014 Coordination Committee Meeting held on Thursday, October 17, 2013 at the Horticultural Research Institute, Bangkok

On behalf of VEGINET, Dr. Prem Nath participated in the Coordination Committee Meeting of SEAVEG-2014. The meeting was organized at the Department of Agriculture/Horticulture Research Institute (DOA/HRI), Bangkok and was presided over by Dr. Prem Nath with Dr. Grisana Linwattana as Secretary of the symposium and the host. Among others present were Dr. Subhas Dasgupta (FAO), Mrs. Peyanoot Naka, Mrs. Laddawanlinsung (DOA), and Mr. Virach Juntarussamee (HSSI).

Dr. Grisana updated the meeting on the following;

- Abstracts received: The deadline for receiving the abstracts was October 31, 2013. Efforts needed to be continued by AARNET, AVRDC, FAO and VEGINET to achieve the target. The emphasis was laid that at least all ASEAN countries should present papers and as many countries from Asia to participate.
- Venue and Hotel Accommodation: The symposium was scheduled for February 25-28, 2014 and 3rd announcement was already circulated. The venue of the symposium was already finalized at Centara Grand at Central Plaza Ladprao Bangkok, Thailand. Adequate accommodation (about \$100) will be made available at this hotel for those who need it, whereas nearby 4 to 5 economy hotels (\$50-70) were also identified and contacted.
- Keynote Speakers/Resource Persons: The list of Keynote Speakers and Resource Persons as provided by concerned committees were noted.
- Field Visit: It was informed that the Field Visit programme was already laid out on terrace gardening, vegetable markets and suburban vegetable fields on the last day of the symposium.
- Estimated Financial Support and Estimated cost; the spread sheet was presented on finance expected/ committed and the estimated cost.

The meeting ended with vote of thanks to all members, the host institution for organizing this meeting and for excellent hospitality extended.

SOCIAL COMMITMENT

PNASF/Devki Devi Ahuja Fellowship/2001/2012 for Horticulture at the University of Horticultural Sciences (UHS), Bagalkot, Karnataka

This fellowship for horticulture post graduate students was transferred from UAS, Bangalore to UHS, Bangalore.

PNASF/Dharmsheela Nath Scholarship/2006 for Food and Nutrition at the University of Agricultural Sciences (UAS), Bangalore

The fellow Ms. Nayana P. continued with her M Sc. course.

PNASF/Devki Devi Ahuja Fellowship/2013 for Nutrition at the University of Agricultural Sciences (UAS), Bangalore

The fellowship will be awarded to a post graduate student during this year.

Gold Medal PNASF/UAS/2001

The annual award to meritorious student continues at the University of Agricultural Sciences (UAS), Bangalore

Social Commitment/Information Dissemination

Dr. Parpia, the legend, will live ever



Dr. Hossain Ali Bhimji Parpia, lovingly called as 'Hossy' by his friends, is a shining example of a soul, who will live in the hearts and minds of people, for whom he made a significant difference.

Tuesday, the July 09, 2013 was sad day when Dr. Parpia (1922-2013) peacefully left for the heavens at 07.30 hrs, at his villa at Emerald Enclave, Mysore. Dr. Parpia left

behind his beloved wife, Carolyn Wilkes Parpia, two sons Fareed & Ijaz (living in the USA), two daughters Sheralyn & Juli, and 10 grandchildren, a close-knit family that he built and prized. The mortal remains (body) of Dr. Parpia were donated to the Mysore Medical College & Research Institute, according to his last wish.

Born on 5 September 1922, Dr. Parpia had his primary and secondary education at Burhanpur and Bhopal in Madhya Pradesh. As a teenager, Dr. Parpia was influenced by Mahatma Gandhi, while he spent a year with him at the Sevagram Ashram, Wardha (near Nagpur), the ashram in which Mahatma Gandhi demonstrated to the world his power of '**simple living and high thinking and truth and nonviolence**'. This influence had a lasting impact on his philosophy, and he practiced the principles of truth, integrity, secularism and loyalty to his country, throughout his life.

Dr. Parpia obtained a degree in Microbiology and Chemistry from the University of Bombay. He obtained his PhD in Food Science & Technology, Oregon State University, Corvallis, USA.

In 1959, he served as the Assistant Director-General of the Council of Scientific & Industrial Research (CSIR), New Delhi. His services were called upon by the Government of India to work as the Chief Defense Research Coordinator of the CSIR, during the India-China war in 1962. Dr. Parpia served as Director, Central Food Technological Research Institute (CFTRI), Mysore from 1963 to 1972, a decade in which strong linkages of the research institute with the food industry were established.

He worked as Senior Food and Nutrition Officer for the Food & Agricultural Organization of the United Nations (FAO) in Rome, Director (Planning & Evaluation) in United Nations University (UNU) at its Tokyo head quarters, and Chairman of the Protein-Calorie Advisory Group of the United Nations, during the period 1972 to 1984. He was a Visiting Faculty in Food Science at Massachusetts Institute of Technology (MIT), USA (1967-1978). From 1978 to 1982, he served as the Principal Advisor, UN Conference of Science & Technology for Development, New York.

Dr. Parpia will remain a legend, who will be remembered eternally, by people who knew him or were associated with him in countless ways, and those who respect honesty and integrity as a way of life.

- Prof Vinod K Huria

Central Food Technological Research Institute, Mysore 570020

Dr. Parpia has been a close friend of mine. I came to know him when he was the Director of CFTRI Mysore and I was the Senior Scientist at IIHR, Bangalore during early seventies. During eighties we became close while working with the FAO. He had already retired and resettled in Mysore. When I retired and returned to Bangalore in 2000, we met and he became the founder member of the PNASF. He had continued to guide and assist in the organization and technical advancement of the PNASF. He had advised and chaired several committees/meetings during the national and international conferences organized and held by PNASF. He had tremendous world – wide knowledge on food and technology. Even when he could not move much he went on writing to me his feelings on different scientific issues. I had and have profound respect for him. The PNASF and colleagues who knew him will remember him and his valuable contribution and pray that his soul rests in peace.

- Dr. Prem Nath

INFORMATION DISSEMINATION

Publications of PNASF

- ❖ Chengappa, P.G. (2013). Enhancing Multi-stakeholder Collaboration and Investment in Urban and Peri-urban Agriculture, Proc. UPAFSA-2013, Regional Workshop on Strengthening Urban & Peri-urban Agriculture towards Resilient Food Systems in Asia-Vol. II-Case Studies, Best Practices and Field Visits, 28-30 January 2013, Bangkok, Thailand. pages 62-73.
- ❖ Nath, Prem (2013). Concept and Implementation of Food Security and its Relevance to Urban and Peri-urban Agriculture, Proc. FAO/PNASF Regional Workshop on Strengthening Urban and Peri-urban Agriculture towards resilient food systems in Asia, January 28-30, 2013 in Bangkok, Thailand, pages 20-25.
- ❖ Nath, Prem (2013). Urban and Peri-urban Agriculture and Vegetables, Proc. SEAVEG-2012, High Value Vegetables in Southeast Asia: Production, Supply and Demand, 24-26 January 2012, Chiang Mai, Thailand pages 266-271.

Presentations

- ❖ The Key note address - "Progressive Development of Urban and Peri-Urban Agriculture", was presented by Prem Nath to ISEC/PNASF Seminar on Development Trends in Urban and Peri-urban Agriculture on August 08, 2013, at ISEC, Bangalore.
- ❖ "Urban Horticulture-Corporate and Civic Social Responsibility", was presented by P.B. Gaddagimath, to ISEC/PNASF Seminar on Development Trends in Urban and Peri-Urban Agriculture (UPA), August, 08, 2013, ISEC, Bangalore.

Information Dissemination

Upcoming Books

I “The Basics of Human Civilization- Food, Agriculture and Humanity; Volume-II: Food”

The PNASF is scheduled to publish a book entitled “The Basics of Human Civilization- Food, Agriculture and Humanity; Volume-II: Food” contributed by well-known national and international authors. The book contains the following chapters:

INTRODUCTION

1. Introduction-*Dr. Prem Nath, India*

FOOD AS CONCEIVED

2. Three Vertices of Human Civilization Triangle: Food, Agriculture and Humanistic Ideology- *Dr. S. Bisaliah, India*

FOOD AS KNOWN

3. Food as Understood- *Dr. Prem Nath, India*
4. Knowing Food for Human Health- *Dr. K.G. Ahuja, USA*
5. Unused Food, Underutilized Food and Handling Food- Enhancing Food Availability- *Dr. Prem Nath, India*
6. Street Food for the Common People-Worldwide-*Dr. Prem Nath, India*
7. Changes in National and International Food Patterns- Observations and Perspectives-*Dr. Prem Nath, India*

FOOD SOURCES

8. Cereals Grains and Pulses for Human Health- *Dr. K.R.M. Swamy, India and Dr. K.G. Ahuja, USA*
9. Vegetables for Human Nutrition and Health- *Dr. K.R.M. Swamy, India; Dr. Prem Nath, India and Dr. K.G. Ahuja, USA*
10. Fruits for Nutritional Security- *Dr. C.P.A. Iyer and Dr. K.R.M. Swamy, India*
11. Animal Food for Human Health- *Dr. B.S. V. Reddy and Dr. K.R.M. Swamy, India*
12. Role of Fishes in Augmenting Human Health- *Dr. K. Gopakumar, India*
13. Herbs and Spices as Flavoring Foods- *Dr. K.R.M. Swamy, India*
14. Major Classes of Phytonutraceuticals in Vegetables and Health Benefits: A Review-*Prof. João Silva Dias, Portugal*
15. Nutraceuticals in organically grown fruits and vegetables- *Dr. B. S. Prabhakar and Dr. S. Shivshankar, India*

FOOD AND HEALTH

16. What Food to Consume, How Much to Consume and When to Consume for Better Human Health?- *Mrs. Sana Thousia, India*
17. Common Ailments, Food and Human Health- *Mohammed Ilyas S.P., India*

18. Changing Food Habits with Age and Health-Own Observations and Perceptions- *Dr. Prem Nath, India*

FOOD AND NUTRITION POLICY

19. The Right to Food- *Dr. Prem Nath, India*
20. Changes in Food and Nutrition Policies-A Glance- *Dr. Prem Nath, India*
21. Indian Food Bill-Views and Prospects- *Dr. Devinder Sharma, India*
22. Strategic Changes in Approach to Combat Food and Nutrition Insecurity among Urban and Rural Population of Asia- *Dr. Subash Dasgupta and Dr. Indrajit Roy, Thailand*
23. Importance of Food Safety in the Food Production and Supply Chain- *Ms. Shashi Sareen, Thailand*

FOOD AND NUTRITION SECURITY PROGRAMMES- REGIONAL AND INTERNATIONAL

24. Contribution of Grain Legumes in Combating Food and Nutrition Insecurity in Different Regions of the World- *Dr. C.L. Laxmipathi Gowda, Dr. Aravind K. Jukanti and Dr. Pooran M. Gaur, India*
25. Food Insecurity in Tribal Dominated Areas of Maharashtra, India- *Dr. Nitin Tagade and Prof. R. S. Deshpande, India*
26. Mitigating The Food And Nutritional Insecurity In East Africa: Development Of The Community Based “Iringa Approach” By The Iringa Nutrition Programme (1983-1988) In Tanzania- *Dr. M. Seenappa, India*
27. Impact of National and International Programmes and Projects in Mitigating Food and Nutritional In-Security in Central Asia and Caucasus- *Dr. Ravza Mavlynova, Uzbekistan*

CHALLENGES AND OPPORTUNITIES

28. Challenges and Opportunities in Food Sector - *Dr. Prem Nath, India*

II “The Basics of Human Civilization- Food, Agriculture and Humanity; Volume-III: Agriculture”

The PNASF is scheduled to publish a book entitled “The Basics of Human Civilization- Food, Agriculture and Humanity; Volume-III: Agriculture” contributed by well-known national and international authors. The book contains the following chapters:

INTRODUCTION

1. Introduction- *Prem Nath, India*

AGRICULTURE IN HUMAN LIFE

2. Ethics and Horticulture- *Jules Janick, USA and Ian Warrington, New Zealand*
3. Some Perceptions on Natural Resources - *Prem Nath, India*

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CONTRIBUTION OF AGRICULTURE TECHNOLOGY

4. Agriculture Technology in Transition- *Prem Nath, India*
5. New Strategies and Approaches for Improving Vegetable Cultivars- *Joao C. da Silva Dias, India*
6. Strategic Factors Governing Agricultural Productivity Growth in the Indian Context- *R. Dwarakinath, India*
7. New Pathway in Land Resources Management with Special Reference to India- *Dipak Sarkar, India*
8. How much Vegetables have Helped in Mitigating Food and Nutrition Insecurity in India: An Assessment- *A.S. Sidhu, Sudha Mysore and E.S. Rao, India*
9. Guiding Elements in Breeding Vegetable Varieties Complying International Market Standards Augmenting Export- *Joao C. Silva Dias, Portugal*
10. Identifying Objectives for Breeding Improved Vegetable Varieties-Hard but Vital Choice- *Prem Nath, India*
11. Concept and Impact of Crop Protection in Organic Versus Conventional Agriculture- *Parvatha Reddy, India*

IMPROVING AGRICULTURE

12. Diversification towards High Value Agricultural commodities in India- *P. G. Chengappa, C.G. Yadava, Arun M. and Prasanna Kumar H.M., India*
13. Seed Industry and Its Future in India: A Retrospective Resonance- *M. Mahadevappa, India*
14. Impact of High Density Planting in Fruit Crops for Augmenting Food Production- *Y.T.N. Reddy, Vineeth Raj A. V. and Srilatha V., India*
15. Impact Application Of Protected Cultivation At High Elevations In India To Enhance Food And Nutrition Security And Income Generation- *Brahma Singh, India*
16. Role of Plantation Crops in Nutrition Security and Their Health Benefits- *V.K. Abraham, India*
17. Growing Impact of Floriculture Industry on Income Generation and in Augmenting Livelihood Security- *T. Janakiram and K.V. Prasad, India*

RECENT DEVELOPMENTS

18. Farmer's Market in Developing and Developed Countries- *Prem Nath, India and Sundari Velayudhan, USA*
19. Community Supported Agriculture: A Sustainable Local Farming Option for Urban Communities- *Nalini Velayudhan and Kirun Treinen, USA*
20. Agriculture Marketing and Cooperatives- *Narayan G. Hegde, India*

URBAN AND PERI-URBAN AGRICULTURE

21. Progressive Development of Urban and Peri-urban Agriculture- *Prem Nath, India*

22. How Peri-urban Agriculture can Support with Food to the Growing Urban Population-Role, Expectations and Parameters for Economic Growth in Developing Countries?- *P. G. Chengappa, C.G. Yadava, Arun M. and Gana Shruthy M.K., India*
23. Development Of Urban And Peri-Urban Agriculture In The Context Of Growing Urban Population Of Developing Countries- *Elumalai Kannan, India*
24. Development Initiatives in Food Production, Utilization and Management in Urban and Peri Urban Agriculture in Asia- *N. Nagaraj, India*
25. Horticulture in Urban and Peri-urban Agriculture – An Analysis- *Binoo Bonny, Jyothi Bhaskar and K. V. Peter, India*
26. Application of Technological Developments in Augmenting Urban Horticulture - *K.R.M. Swamy, India*

WOMEN IN AGRICULTURE

27. Women Feed the World - An Overview- *Prem Nath, India*

CHALLENGES AND OPPORTUNITIES

28. Challenges and Opportunities in Agriculture- *Prem Nath, India*

III Joint-Publication (FAO & PNASF)

Proceedings of FAO/PNASF Regional Workshop on Strengthening Urban and Peri-urban Agriculture towards Resilient Food Systems in Asia (UPAFSA-2013), Vol. I & II, 28-30 January 2013, Bangkok, Thailand.

PUBLICATIONS OF PNASF

Publications on shelves

Description	India (In Rs.)	Foreign (In US \$)
* Book- Vegetable Crops: Improvement and Production (Pages :398) 2007	125.00 + Rs. 55.00 (postage)	25.00 including postage
* Book-Food Security and Vegetables- A Global Perspective (Pages:437) 2004	200.00 including postage (PB)300.00 including postage (HB)	50.00 including postage
* ICV-2002 Proceedings – CD (Pages: 931) 2003	150.00 including postage	10.00 including postage
* VEGINET Booklet (Pages: 22) 2003	35.00 including postage	5.00 postage
* CV-2002 Abstract Book-(Pages :445) 2002	150.00 including postage	35.00 including postage

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Description	India (In Rs.)	Foreign (In US \$)
ICH Abstract Book (Pages: 487) 2009	300.00 including postage	50.00 including postage
ICH Souvenir (Pages:142)2009	150.00 including postage	35.00 including postage
Book – Foods and Nutrition(Pages: 485) 2009		Available with Studium Press LLC, 4735/22, 2 nd Floor, Prakash Deep building, (Near PNB), Ansari Road, Darya Ganj, NEW DELHI-110 002. Email: studiumpress@gmail.com
ICH-2009 Proceeding CD (Pages: 2553) 2010	100.00 including postage	25.00 including postage
Book-Horticulture and Livelihood Security		Available with Scientific Publishers, 5-A, New Pali Road, P.O. Box 91 Jodhpur - 342 001, Rajasthan Phone: +91 291.262 4154 Fax: +91.291.261 3449 Email:scientificpub@gmail.com
Book-The Basics of Human Civilization-Food, Agriculture and Humanity, Volume-I: Present Scenario	3,495.00	Available with New India Publishing AGENCY (NIPA), 101, Vikas Surya Plaza, CU Block LSC Market, Pitam Pura, New Delhi Tel: +91-011-27341616, 27341717 Email: newindiapublishingagency@gmail.com
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PLANS ON HAND

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

- Preparation of the book “*The Basics of Human Civilization-Food, Agriculture and Humanity-Volume-II: Food*”.
- Preparation of the book “*The Basics of Human Civilization-Food, Agriculture and Humanity- Volume-III: Agriculture*”.
- Publication of the Proc. ISEC/PNASF Seminar on Development Trends in Urban and Peri-urban Agriculture on 8th August, 2013, at ISEC, Bangalore.
- Organizing Book-Release Ceremony.
- Preparation for SEAVEG-2014-*Regional Symposium Sustaining on Small-Scale Vegetable Production, Food and Nutrition and Marketing Systems SEAVEG 2014: Families, Farms, Food* scheduled February 25-28, 2014 in Bangkok, Thailand.
- Participation in Conferences/Symposium/Workshop/Congress.
- 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.
- Publication of the PNASF News Letters and E-VEGINET News.

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 provided.

Publications

The PNASF publications are available on price with the Central Secretariat, PNASF and publishers.

Contribution/Membership

Registration/membership/contribution either to PNASF or to VEGINET available at Website: www.pnasf.org and by E-mail to drpremnath@vsnl.net or pnasfoundation@gmail.com.

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June 2013



Proceedings
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High Value Vegetables
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Demand

24-26 January 2012
Chiang Mai, Thailand



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- Thailand Department of Agriculture (DOA)
- AVRDC – The World Vegetable Center
- ASEAN-AVRDC Regional Network (AARNET)
- Horticultural Science Society of Thailand (HSST)
- Vegetable Science International Network (VEGINET)

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