



ISNS News

International Society for Noni Science

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From the Desk of the President



Dear Members,

Divine Noni Greetings and New Year wishes to you all for a very happy, prosperous, peaceful and purposeful year-2014.

I am happy to share with you that ISNS in collaboration with University of Agricultural Sciences, Bangalore, University of Horticultural Sciences, Bagalkot, Karnataka, World Noni Research Foundation and Noni BioTech, Chennai successfully organized the Eighth Noni Search- National Symposium with the theme, 'Noni for Sustainable Wellness' at GKVK Campus, UAS,

Bangalore from 29 to 30 October, 2013. His Excellency, The Governor of Karnataka, Dr. Hans Raj Bhardwaj inaugurated the National Symposium by lighting the Lamp of Wellness. The symposium was well attended by about 500 delegates consisting of scientists, physicians, noni users and farmers. Twenty research papers were presented. ISNS-Best Research Paper Award was presented, for the first time, during the national symposium which will be continued every year.

Excellent research papers on Noni presented at the symposium brought out many useful findings and to mention a few noni could be a potential source as a chemo preventive agent and also for delaying age related physiological activities are quite interesting and WNRF will pursue these issues in depth in the years to come. We could come out with many useful recommendations for future research and development.

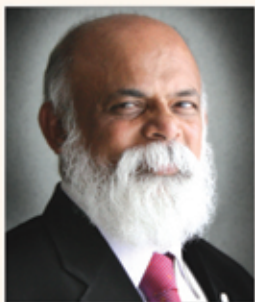
I am happy to inform you that so far we have enrolled more than 810 life members to the Society. But, still we have to go a long way. If the message of 'Each one enrol one' could percolate well, we may cross the membership of ISNS to two thousand by end of 2015. I also would like to appeal to you that all should personally involve yourself in spreading the message of wellness to all through Noni, so that we could reach one billion people by 2020.

I wish that all of us joined together should spread the message of wellness to every nook and corner of our country.

(Kirti Singh)

President, International Society for Noni Science

2. Message from Vice - President



The year 2013 was epoch making in all respects. Starting on Tuesday and ending on Tuesday, the year witnessed breath taking events, discoveries, natural calamities, births, deaths, wellness movements and new initiatives in health care.

The ISNS and WNRF had made several attempts to promote R&D of Noni, an underutilized crop which can very well provide nutritional and health support as well as bring wellness to all. The year 2013 witnessed the organization of National Symposium on Noni with the theme "Noni for sustainable wellness" from 29-30 October, 2013 at UAS Bangalore. The present Noni Search is unique in the sense that UAS, Bangalore and UHS, Bagalkot collaborated with us. The farmers' mela organized as part of the Golden Jubilee celebrations could help to popularize 'Divine Noni Gold' as a health drink.

Farmers expressed keen interest in raising the crop.

But we shall have to move forward with more energy and conviction to spread the awareness on wellness to 1000 million people by 2020. "Wellness is Oneness"-the movement has to take much more momentum. Our dynamic President is committed to enrol 1000 life members by 2013 and another 1000 by 2015. A vision-2050 for the ISNS needs to be drafted. I wish all the Life Members and Office Bearers a very happy, healthy, prosperous New Year-2014.

Love You. Thank You.



(P. I. Peter)

Vice-President, International Society for Noni Science
Chairman, Noni BioTech, Chennai, &
President, World Wellness Organization

3. Research Highlights on Noni

i. Divine Noni as a chemo preventive agent

Chemo preventive agents are non-toxic and might exert their effects either by blocking or metabolizing carcinogens or by inhibiting tumor cell growth. These qualities are reflected in Noni crude fruit extracts especially the ethanolic extract; with its reduced toxicity and superior chemopreventive property. Recent study indicated that ethanol and aqueous extracts of Noni fruit at 100 µg/ml concentration were able to protect cells against damage induced by ethyl methylsulfonate at a concentration of 2.5 mM. Ethanol extract was able to reduce the OTM value significantly in both pre- and co treatment studies. Both ethanol and aqueous extracts increased the repair potential of DNA damage in cells subjected to X-rays, when pre- or post treated with Noni extracts. Noni extracts also showed a significant DNA damage repair potential when cells were pre-treated with the extracts before subjecting them to hydrogen peroxide treatment. It was found that time reliant chemopreventive and radio protective potential of Divine Noni was established. Noni would serve as a novel potent

candidate which will find its use in targeted therapeutic strategies to check cancer.

ii. *Morinda* fruit extract has potential as antioxidant properties

Extracts from fruits of *Morinda citrifolia* L. were evaluated for their *in vitro* antioxidant activities, phytochemical screening and subjected to FTIR spectroscopy studies for functional group identification. Phytochemical screening revealed the presence of various phytochemicals in all the extracts with varying degrees with the ethyl acetate extract having maximum total phenolic content of about 187.6 mg/gm of GA equivalents. The ethyl acetate extract also had the highest antioxidant activity as revealed by total antioxidant assay, higher free radical scavenging activity as revealed by the DPPH, superoxide and hydroxyl radical scavenging assays. FTIR spectral studies clearly indicated the presence of various functional groups which may be attributed to the antioxidant and free radical scavenging properties of these extracts.

iii. Divine Noni as an anti-aging agent

Divine Noni Gold significantly increased lymphocyte proliferation and IL-2 and IFN- production in old rats. Divine Noni Gold significantly modulates the intracellular signalling pathways and nitric oxide level. Divine Noni Gold has the benefits as a food supplement with antioxidant, and immune enhancing and anti aging properties.

4. Noni Search 2013- Eighth National Symposium

Inaugural function

The eighth National Symposium, 'Noni for Sustainable Wellness', for the first time, was organized in collaboration with University of Agricultural Sciences, Bangalore (UAS-B) and University of Horticultural Sciences, Bagalkot (UHS) at GKV Campus, UAS, Bangalore on 29 & 30, October, 2013.

Dr. Hans Raj Bhardwaj, H.E., The Governor of Karnataka inaugurated the symposium by lighting the lamp of Wellness.

Prof. P.I. Peter, Chairman, Noni BioTech and Vice President of International Society for Noni Science (ISNS) welcomed the dignitaries on and off the dais including all the delegates attended the conference.

Dr. Kirti Singh, Chairperson, World Noni Research Foundation (WNRF) and President ISNS, gave his introductory address.

Dr. S. B. Dandin, Vice-Chancellor, University of Horticultural Sciences, Bagalkot and Dr. R. R. Hanchinal, Chairperson, Protection of Plant Varieties and Farmers' Rights Authority, Government of India, Ministry of Agriculture, New Delhi, were the Guests of Honour.

Dr. K. Narayana Gowda, the Vice-Chancellor of UAS, Bangalore presided.

Dr. Hans Raj Bhardwaj, H.E., The Governor of Karnataka, before delivering his inaugural address as Chief Guest, released the Souvenir of the Symposium and pre symposium Proceedings of Noni Search- 2013.

H.E. also conferred two awards, 'Best Noni Farmer' on Mr. Bichanna of Vasanth Biotech, Hyderabad and 'Service Excellence Award' on Dr. P. Selvam, Principal, Nova college of Pharmaceutical Education & Research, Andhra Pradesh.

Dr. P.G. Chengappa, Organizing Secretary, Former Vice Chancellor, UAS, Bangalore and National Professor of ICAR proposed vote of thanks.

Noni Search-2013 with the theme, 'Noni for Sustainable Wellness' was deliberated in six Technical Sessions besides a session on Success Stories of Divine Noni Gold and Special lectures by eminent scientists.

Special Lectures

Prof. Ram Harsh Singh, Distinguished Professor of BHU and member of RAB, WNRF delivered a special lecture on '*Strength of Ayurveda in Geriatric Health Care*'.

Dr. V. A. Parthasarathy, President, National Academy of Biological Sciences and Former Director, India Institute of Spices Research delivered a special lecture on '*Biotechnology in Horticulture with special reference to Noni*'.

Technical Sessions

In all six technical sessions viz., Noni Biodiversity and Improvement, Good Noni Production Practices, Good Noni Protection Practices, Product Development, Value Addition and Byproduct, Clinical and Pharmacological Studies and Trade and Marketing of Noni were held besides the Success Stories of Divine Noni Gold. Twenty one research papers were presented.

Plenary and Valedictory Function

Plenary and Valedictory Function was presided by Dr. Kirti Singh and Dr. S. A. Patil, Chairman, Karnataka Krishi Mission, Karnataka & Former Director, IARI, New Delhi, Former Vice-Chancellor, UAS, Dharwad, Karnataka was the Chief Guest.

Prof. P. I. Peter, Chairman, Noni BioTech, Chennai & Vice President, ISNS welcomed the gathering. Dr. P. Rethinam, Former Executive Director, APCC presented the summary and recommendations of two days deliberations.

Dr. A. N. Rai, was the Guest of Honour and presented the Best Oral Presentation Award to Scientists who made best presentation in various technical sessions.

Dr. S. A. Patil, the Chief Guest, released the WNRF- Annual Report-2012, three Technical Bulletins of WNRF and a book on 'Protected Cultivation of Horticultural Crops' edited by Dr. K.V. Peter, Director, WNRF. The Chief Guest also presented 'Best Noni Trader Award to Shri. Swapan Kumar Saha of Kolkata, West Bengal, ISNS Best Research Paper Award to Dr. D. R. Singh of CARL, Port Blair.

Dr. H. Shivanna, Dean, College of Agriculture, UAS, Bangalore and Joint Organizing Secretary proposed vote of thanks.

Photo gallery of Inaugural and Valedictory functions



H.E. Light the lamp of wellness



H.E. delivers inaugural address



Dr. S.A. Patil, Chief Guest presents ISNS-Best Research Paper Award to Dr. D.R. Singh and delivers valedictory address



Awards presented during Noni Search-2013

i. Best Noni Farmer Award

Mr. Bichanna	Vasanth Biotech, Hyderabad
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ii. Best Noni Trader Award

Shri. Swapan Kumar Saha	Kolkata, West Bengal
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iii. ISNS-Best Research Paper Award

Dr. D. R. Singh	Central Agricultural Research Institute (ICAR), Port Blair.
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iv. Service Excellence Award

Dr. P. Selvam	Principal, Nova college of Pharmaceutical Education & Research, Andhra Pradesh.
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v. Best Oral Presentation Awards

Technical Session-1: Noni Biodiversity and Improvement

A. K. Singh	Assessment of <i>Morinda tomentosa</i> genotypes for morphological and qualitative characters under rainfed semi-arid conditions of western India- A. K. Singh, Sanjay Singh and H. K. Joshi
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Technical Session-2: Good Noni Production Practices

P. Srimathi	Efficacy of crop fortification of Noni fruit juice on productivity- K. Ramamoorthi, P. Srimathi, M. Suganthi and V. Vakeswaran
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Technical Session-3: Good Noni Protection Practices

D. Ramkumar	Investigation on dry and soft fruit rots in <i>Morinda citrifolia</i> L (Noni)- D. Ramkumar, N. Mathivanan, S. Sithanantbam, A. Venkatachalam and T. Marimuthu
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Technical Session-4: Product Development, Value Addition and By-product

D. R. Singh	High Performance Liquid Chromatography (HPLC) analysis of different parts of <i>Morinda citrifolia</i> L. - D. R. Singh, Shrawan Singh and V. Shajeeda Banu
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Technical Session-5: Clinical and Pharmacological Studies

Vidhu Sankar Babu	Time reliant functional assays substantiate chemopreventive and radioprotective prospective of <i>Morinda citrifolia</i> .L (Noni) fruit extract- Vidhu Sankar Babu, K. S. Vidya, Raghavendra Upadhyay, B. S. Satish Rao and Kapaettu Satyamoorthy
U. P. Pratap	<i>In vivo</i> effects of <i>Morinda citrifolia</i> fruit juice (Divine Noni Gold®) on lymphocyte proliferation, cytokine and nitric oxide production and intracellular signalling pathways in spleen and draining lymph nodes of old F344 rats- U. P. Pratap, K. R. Ramakrishnan, V. Raman, A. P. Patil, P. P. Kale, H. R. Sharma, R. V. Singh, H. P. Priyanka, and S. ThyagaRajan

Important Research Findings from research papers presented during Noni Search 2013

- Noni germplasm in Konkan Coast possess variability beyond reported values for short internodes, large and wide leaves, large number of seeds/plant and thicker seed can be utilized for crop.
- Morinda tomentosa* can be grown commercially as rain fed crop in Western India. Superior types viz., CHESN-1, CHESN- 16 and CHESN- 31 were also indentified.
- Noni as a mixed crop in coconut plantations can provide additional income without affecting the coconut yield. Noni plants raised through tissue culture performed well.

- Foliar spray of 2% Noni juice increased yield attributes, yield and number of seeds per fruit.
- Seed priming with 1% noni juice for small seeds and 2% for big seeded crops enhance the seed and seedling characters of vegetable crops.
- Consortium application of bacterial and fungal biocontrol agents combined with chitin can effectively check the root knot nematode, *Meloidogyne incognita*.
- *Maconellicoccus hirsutus* and ponneem are ecofriendly and efficient in checking sucking pests of Noni.
- The phenol and flavanoids content of the fruits are responsible for the antioxidant properties.
- Identified five major phytochemicals (anthocyanin, anthraquinones, carotenoids, flavanoids and phenolic acids) in all 8 parts of Noni through HPLC and spectrophotometer. All parts are rich in antioxidants and gallic acid is found in all parts of Noni. Some anti nutrients like nitrates, phytates, oxalates and saponins have also been identified in all parts of Noni. Findings have opened a new vistas for utilization of different parts of Noni.
- Noni fruits harvested at 15 weeks after fruit set and over ripe stages are good sources of antioxidants.
- HDPE poly lining has longest shelf life of 4 days which can be used for packaging.
- Noni can serve as a novel and potent candidate which will find its use in targeted therapeutic strategies to check cancer.
- Divine noni juice has anti-aging, immune modulatory and neuro- protective properties.
- The compound isolated from methanolic extract of *Morinda citrifolia* fruit (MCF-Me) and isolated fractions of MCF-C1 Me and C-5 at 50 ug per ml had considerable effect in transfected cells. The treatment with these fractions prevented the cells from undergoing apoptois.
- Divine noni Gold has many benefits as a food supplement with antioxidant and immune enhancing and anti-aging properties.
- GAP need to be standardized to improve the productivity under organic cultivation of Noni.
- Seed priming using Noni fruit juice with the high value crops like Onion, Carrot and pulses are to be standardized to achieve longer shelf life with loosing the quality.
- Root knot nematode problem should be rigorously addressed to develop effective management practices.
- The pesticidal properties of Noni fruit juice and other parts like leaves are to be studied in depth.
- The dry and soft rots of noni fruits are to be studied in detail and suitable eco-friendly management strategies developed using the antagonist microbes. Already developed management strategies for dry and soft rot needs to tested on large scale.
- The eco-biology of insects that damage noni fruits need to be understood so as to develop meaningful management methods.
- Mixed cropping of Noni with coconut plantations may be studied in Konkan and other regions of the country.
- Technology should be developed to market Divine Noni Gold and other products of Noni in small sachets so as to make it more popular and affordable.
- Noni beverages free of sugars suitable for old age people need to be standardized. Similarly, enriched Noni Juice for specific age group particularly for children, convalescent women, people suffering from cancer, HIV, diabetics *etc.*
- Products like jam, jelly, candy etc., mixing with other fruit pulps can be prepared.
- The suitability of Noni as a mixed crop / intercrop / companion crop need to be studied so as to increase the income of farmers.
- A systematic market survey and research to understand the pattern of marketing of Noni and noni products are very essential for sustained development.
- The supply side factors are found not matching the demand as the supply chain for noni is highly unorganized and fragmented. There is a greater need to organize scientific method of production by providing technical back up, extension, credit and market support. The KVKs in the Noni growing areas can play a vital role in providing technical know how and organise demonstrations.
- Collective production through farmer group associations and producer companies will help in linking the producers to the markets.

Recommendations

- Biodiversity conservation of Noni and confirming the centre of origin and staking a claim by registering with PPV & FRA, GOI needs attention.
- Conservation of Germplasm need to be given priority at NRCN and alternate centre at CARI, Port Blair.
- Using the available genetic variability, it is time to take up inter specific breeding to get desired yield and quality.

- Noni as a possible nutrient supplement to malnourished children need to be studied in detail as Noni is rich in Vitamins, Iron and Calcium.

5. Awards and Recognitions received by members

The noni family members feel proud and happy and congratulate the members of ISNS who were awarded / recognized for their contributions made during 2013. The details are given below:

Dr. V. Arunachalam

- Selected for international training fellowship by National Agricultural Innovation Project of Indian council of Agricultural Research, New Delhi to undergo advanced training on allele mining at University of Leicester.

Dr. S. Ayyappan

- Kannada Rajyotshava Award by Government of Karnataka -2013-14 in the field of Agriculture.

Dr. Narendra S. Rathore

- Appreciation Award-2013 by Institute of Engineers in Annual Convention of Agricultural Engineering held at Udaipur for outstanding work in Energy in Agriculture Field.
- Dairy Innovation Award under category of Best Environmental Sustainability Initiative by 7th Global Dairy Congress sponsored by FoodBev Media for design and development of Solar concentration for milk pasteurization

Dr. Pious Thomas

- Fellow of National Academy of Biological Sciences, Chennai (for the year 2012) by National Academy of Biological Sciences, Chennai In recognition of research accomplishments in Basic Sciences Biotechnology

Dr. Brahma Singh

- HSI- Shivshakti Life Time Achievement Award for 2013 by Horticulture Society of India (HSI), New Delhi for life time contributions in the field of Horticulture research development resulting in significant impact on the quality of life of people of India; carries cash award of Rs 51,000/-, a gold medal and a citation.

Dr. Vishal Nath

- Dr. R. S. Paroda Award-2013 by CHAI, New Delhi for excellence in Horticulture.
- Pratibha Samman-2013 by Vigayan Parishad Prayag, Allahabad for promoting Hindi in Horticulture.

Dr. Saiyed Asif Husain Abidi

- Biennial softi Award-2011 by International Society of Fisheries Technologist, Central Institute of Fisheries Technology
- Life time Achievement Award-2011 by International Society of Fisheries Technologist, Central Institute of Fisheries Technology.

6. Publications on Noni

Books

- Peter, K. V. 2013. (Ed.) Biodiversity of Horticultural Crops Vol. IV Astral International Pvt.Ltd. New Delhi, p.409.
- Peter, K. V. 2013. (Ed.) Biotechnology in Horticulture: Methods and Applications, New India Publishing Agency, New Delhi, p.389.
- Peter, K.V. (Ed.) Future Crops, Vol.II, Astral International Pvt.Ltd. New Delhi, p.
- Singh, D. K. and Peter, K.V. 2013. (Ed.) Protected Cultivation of Horticultural Crops, New India Publishing Agency, New Delhi, p.433.

Research articles

- Periyasamy Selvam, Paul Pandi, T. Nouri Neamati and Tino Sanchenz. 2013. Studies on LEDGF/P75- HIV integrase inhibitory activity of isolated compounds of ethanolic extract of Noni (*Morinda citrifolia* L.). International Journal of Noni Reserch, 7(1): 38-45.
- Satyanarayana Rentala, Sarva Mangala Dhurjeti, K. Sudhakar, and Murthy, USN. 2013. Role of Noni fruit extract on oxidative stress induced cataract formation in lens epithelial cells. International Journal of Noni Reserch, 7(1): 22-26.
- Selvam, P. and Mahalingam, S. 2013. Investigation on cytotoxicity of Divine Noni, Noni *Garcinia cambogia* mix against human lung adenocarcinoma cell. International Journal of Noni Reserch, 7(1): 46-54.
- Selvam, P., Praveen, K. S., Hitesh Jagani and Venkata Rao, J. 2013. Studies on cytotoxicity of Divine Noni, Noni *Garcinia cambogia* mix against human liver cancer cells (HepG2 Cells). International Journal of Noni Reserch, 7(1): 1-7.
- Singh, D. R., Shrawan Singh and Shajeeda Banu, V. 2013. High Performance Liquid Chromatography (HPLC) analysis of different parts of *Morinda citrifolia* L. International Journal of Noni Reserch, 7(1): 55-61.
- Sridevi Nagalingam, Devanand Shanmugasundram, Changam Sheela Sasikumar. 2013. Effect of *Morinda*

citrifolia aqueous fruit extract against ROS induced oxidative DNA damage in human lymphocytes- An *in vitro* study. International Journal of Noni Research, 7(1): 8-21.

Uday P. Pundir, Hanna P. Priyanka, Fariya Yasmine, Aparna Mohanty, Ran Vijay Singh, Miti Mishra, Hima, L. And Srinivasan ThyagaRajan. 2013. *In vitro* effects of Divine Noni on the age related modulation of proliferation of lymphocytes, IL-2 production, IFN- production and antioxidant enzyme activities in draining lymph nodes of F344 rats. International Journal of Noni Research, 7(1): 27-37.

Vidya, K. S., Raghavendra, U., Muthusamy, A., Vidhu, S. B., Subramani, J., Gopinath, P. M. and Satyamoorthy, K. 2013. Cytotoxic efficacy of Noni (*Morinda citrifolia* L.) fruit extracts and scopoletin on a preponderant panel of human tumor cell lines. International Journal of Noni Research, 7(1): 62-72.

Popular articles

Brahma Singh, 2013. Health and Wealth through Noni. Souvenir, Noni Search 2013- Eighth National Symposium, Noni for Sustainable Wellness, 29 & 30 October, 2013, UAS, Bangalore, India, pp:37-39.

Kirti Singh, Marimuthu, T. 2013. WNRF- Retrospect and Prospects. Souvenir, Noni Search 2013- Eighth National Symposium, Noni for Sustainable Wellness, 29 & 30 October, 2013, UAS, Bangalore, India, pp:23-24.

Peter, K.V., Singh, D.R. and Peter, P.I. 2013. The Chemistry of Noni (*Morinda citrifolia* L.). Souvenir, Noni Search 2013- Eighth National Symposium, Noni for Sustainable Wellness, 29 & 30 October, 2013, UAS, Bangalore, India, pp:40-41.

Peter, P.I. 2013. World Wellness Organization. Souvenir, Noni Search 2013- Eighth National Symposium, Noni for Sustainable Wellness, 29 & 30 October, 2013, UAS, Bangalore, India, pp:25-26.

Rethinam, P. 2013. Noni for Sustainable Wellness. Souvenir, Noni Search 2013- Eighth National Symposium, Noni for Sustainable Wellness, 29 & 30 October, 2013, UAS, Bangalore, India, pp:31-36.

Singh, R. H. 2013. The Basic Tenets of Ayurvedic Immunology. Souvenir, Noni Search 2013- Eighth National Symposium, Noni for Sustainable Wellness, 29 & 30 October, 2013, UAS, Bangalore, India, pp:27-30.

7. News and Events

i. Noni Progeny Orchard established

- Ceremonial planting of Progeny Orchard with 'Noni Priya', on 17-11-2013 at NRCN by Dr. Kirti Singh, Chairperson, WNRF.



ii. Chairperson Visiting NRC for Noni

- Dr. Kirti Singh along with Dr. P. Rethinam, Dr. K.V.Peter, Dr. T. Marimuthu, Dr. N. Mathivanan and Dr. S. Thyagarajan visited NRC for Noni and chalked out the planting programme and reviewed the progress.

iii. ISNS-Executive Council Meeting (EC)

The 7th EC meeting was held at UAS, Bangalore on 29 October, 2013.

- The secretary reported that 810 life members; two sustaining life members, three Corporate Members and two Corporate Fellows have been enrolled. Requested all the members to mobilize more members.
- The Editor has informed that International Journal Noni Research Vol-7, 2012, January, 2012 issue has been published and will be released during valedictory function of Noni Search-2013.
- The Treasurer presented the audited receipts and expenditure statement which was approved.

iv. ISNS-General Body Meeting (GB)

- The third GB was also convened on the same day. The reports of Secretary, Editor and Treasurer were approved. President and Vice-President conveyed their appreciation to everyone who has contributed to the success of Noni Search 2013.

v. RAB Meeting of WNRF

- The 15th Research Advisory Board meeting of World Noni Research Foundation was held on 28 October, 2013 at UAS, Bangalore. It was decided to reorient the research priorities of WNRF based on discussions had at the meeting.
- On behalf of all the members Member-Secretary, RAB placed on record of gratitude and thanks to University of Agricultural Sciences, Bangalore and University of Horticultural Sciences, Bagalkot for the unstinted support in organizing the eighth Noni Search 2013.

vi. WNRF meeting

- 16th WNRF meeting was held on 16 & 17 December, 2013 at Chennai.

vii. ISNS Members' Participation in Meetings / Seminars / Symposia

- Dr. P. Rethinam
- Participated in PIPOC 2013, "Green opportunities from the Golden Crop" International Palm Oil Conference held in Kula Lumbur, Malaysia from 19-21 November, 2013 and made a poster presentation on 'Indian Oil Palm- For achieving self sufficiency in vegetable oil to reduce import'.
 - Participated in International Oil Palm BioTech Conference at Kula Lumbur on 18 November, 2013.

viii. Forth Coming Events

- **Noni Day** will be celebrated on 23 March, 2014 at Chennai.

8. Enroll yourself as a member of International Society for Noni Science and be a part of Wellness movement.

Types of Membership Available

a.	Life Membership fee (one time)	:	₹ 5,000/-	or	US\$ 200/-
b.	Institutional Membership (renewable)*	:	₹ 3,000/-*	or	US\$ 100/-
c.	Sustaining Membership (one time)	:	₹ 25,000/-	or	US\$ 1,000/-
d.	Corporate Membership fee	:	₹ 1,00,000/-	or	US\$ 2,000/-
e.	Corporate Fellow	:	₹ 2,00,000/-	or	US\$ 4,000/-

* Renewable every year

Details of Payment : ₹ / US\$ either as Cash or DD/ Multicity Cheque drawn in favor of "International Society for Noni Science" payable at Chennai.

E-transfer to: Acct. No. 0942101030222 of ISNS

Other details of the Bank : IFSC code No: CNRB0000942

Bank: Canara Bank, Kasturiba nagar Branch, Adyar, Chennai – 600 020

You can down load your application form from the website: www.isns.in

Mail your filled in application to :

Prof. T. Marimuthu, Ph.D., FNABS

Treasurer

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Disclaimer

The information published in this issue are based on research studies on Noni and meant for educational purpose only.

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