



## INDIAN ROSE FEDERATION

### MONTHLY ELECTRONIC - NEWSLETTER – VOLUME – 15.



#### Presidents Page

Dear Members,

Farewell friends, as I sit down to complete the President's page which is supposed to be the last one, from now onwards your new President, Mr. Suresh Pingale, who was appointed at Pune on 23<sup>rd</sup> of January - 2016, will be jotting down his views. Pondering over the three year term, I made so many lovely friends and admirers, which was more than any award, I am proud that I got such pleasant members in the Governing Council to work with, we had a total of eleven meetings and in none of the meetings, there was any disagreement on any issue, it was as if the family had gathered for an occasion, I must thank all my dear friends for their undaunted support and love, our meetings took at different places, from Hyderabad to Mumbai, organized by the Mumbai Rose Society, then Jabalpur, by Rose Society of Jabalpur, Pune, by the Maharashtra Rose Society and Empress Garden, to Nagpur, by the Vidarbha Rose Society, in all the meetings the attendance was 85% from the GC members, Thank You my dear friends, we shall always be in contact for the cause of roses and our Organization.

My task does not ends here, will now be reviving my home Society, The Hyderabad Rose Society, which I intend to take ahead, my constant contact with WFRS, attending the meetings and looking forward to opening new rose societies, in areas which come under my jurisdiction, once again I wish you all the best.

regards

Ahmed Alam Khan.

## EDITORIAL.



Well, my dear members a golden term came to an end at Pune, when the mantle was handed over by our President, Ahmed Alam Khan to Suresh Pingale, I have seen and observed various rose societies of which I have been a member, the Indian Rose Federation, which took birth in my presence in the year 1978, the deliberations which were going on since 1976, resulted in the form of Indian Rose Federation, when the first All India Rose Convention, was held at the Police Club, Mumbai and the MOA, was discussed at length in the gathering, I have seen President's coming and going, some injected oxygen in the Organization but to a certain limit, but not of the stature of the President for the term from 2013 to 2016, Ahmed Alam Khan, Sir I Thank You for guiding and taking the Indian Rose federation to such heights, at the National and International level, completing most of the aims and objectives of the Federation, except for maybe one or two at the most, which again under your guidance will be completed, if I were to write the history of IRF, I will be writing in letters of gold, for your tenure, we are indebted to you Sir. This is without any malice towards one and all.

The Convention held at Pune went off very well, I await a report and photos of the event which will be put up in the next bulletin, with a page coming from the new President, Suresh Pingale, I have been associated with Mr. Pingale since the year 1981, he was one of the regular judges coming from Pune to Mumbai at the Monsoon and Winter Shows, he was renowned along with his better half Mrs. Mona Pingale for her collection of miniatures and their nurseries, Pingale Roses and Mona's Mini's, we were regulars too, going to their farm at Ghorpadi Gaon to buy new plants and see their collection, along with my mentors the late Mhatre's, Dadaji as I used to call him, Late Krishnaram Kapadia, an avid collector and grower of miniatures, his sprawling garden adjoining his bungalow at Borivili, had some 450 different varieties of miniatures only and it was he, who would force us to visit Pune practically every alternate Sundays, but those were the days. Take Care.

Arshad Bhiwandiwala.



## 17th WORLD ROSE CONVENTION ABSTRACTS OF LECTURES

Sunday, 31st May - 08.30-08.45

### Overview: Rose research in France

#### Pascal Heitzler

Still considerable biodiversity, roses remain a difficult material to explore at scientific level, but nevertheless still up enthusiasm among researchers worldwide. In France, where many historical and prominent garden lines were created, research is a quite busy field, if not a leading one within the world community. The french community also leads an international programme for the complete sequencing of the rose genome that will open considerable perspectives.

One of the leading lab for rose genomics is the one of Mohammed Bendhamane, labelled 'Morphogénèse florale' from the RDP Institute (Reproduction et Développement des Plantes). It is a CNRS (Centre National pour la Recherche Scientifique) lab that belongs to the ENS (Ecole nationale supérieure) of Lyon. The lab focus on differentiation and growth of the flower organs but also on more fundamental events of growth that are conserved between animal and plants.

Angers has a large pole dedicated to Horticultural Sciences. Several researchers of the campus, including Laurer Crespel are dealing with rose growth, plant architecture, and rose bud physiology. Fabrice Foucher steers the Research Institute on Horticulture and Seeds at the INRA (Institut National de Recherches Agronomiques) in Angers. His team focus on the regulation of flowering. They made interesting findings on the continuous flowering gene in rose.

Rose fragrance is the topic of Sylvie Baudino from the University of Saint-Etienne. She leads the BVPam laboratory (Laboratoire de Biotechnologies Végétales appliquées aux plantes aromatiques et médicinales). Her team explore both the tissues and the biosynthetic pathways at the origin of the different scent compounds in roses.

Manuel Le Bris steers a team at the IMBE (Institut Méditerranéen de Biodiversité et d'Ecologie marine et continentale), of the CNRS in Marseille. The team is interested on polyploidization mechanisms. The production of unreduced gametes under specific environmental and developmental conditions, could be the basis to understand diversification during evolution and as a possible result from climate changes.





## 17th WORLD ROSE CONVENTION ABSTRACTS OF LECTURES

Sunday, 31st May - 08.45-09.15

### Genetic model and patrimonial redundancy

#### Pascal Heitzler

Despite long-range breeding tradition in Europe, the rose remains poorly investigated at the level of formal genetics. In particular, a genetic model is missing that uses the advantages of reliable advanced wild type pedigree and natural variants from European species. Diploid species are more suitable for developing and understanding genetics in roses. When performed with accuracy, such studies can be extrapolated to tetraploid garden roses.

*Rosa arvensis*, a synstylae rose, is the only one diploid species to be broadly distributed in Europe. In 1997, I started to develop inbreeding lines from *R. arvensis*, allowing the identification of self-incompatibility haplotypes. I sampled from several regions of France, natural occurring mutants or variants affecting mainly the growth habit, but also hybrid taxons or kleptons that indicate how far *R. arvensis* is involved in gene reticulation within the European species. Finally, I use the inbreeding lines of *R. arvensis* as a base for extensive gene introgression from the historic rose cultivars and from the wild-collected variants. More than 70 distinct traits are considered, including growing habit and size, flower colour and shape, fragrance...

Altogether, this work will constitute an index list for genes and alleles that define both horticultural and botanical traits found in roses, a study useful for both breeders and scientists. The deduced genetic redundancy will help to reset the patrimonial biodiversity.



#### Pascal Heitzler

CNRS Researcher - Centre National de la Recherche Scientifique  
France





## 17th WORLD ROSE CONVENTION ABSTRACTS OF LECTURES

Sunday, 31st May - 09.15-09.45

### **Rose genomics and perspectives**

#### **Mohammed Bendahmane**

Roses are of high symbolic value and great cultural importance in different societies worldwide. Roses are widely used as garden ornamental plants, as cut flowers and for the production of essential oil for the perfume and cosmetic industries. Breeding of roses involved crosses between different European, Asian and Middle-Eastern rose species. Several characters of high economic values, involving mainly floral quality, plant architecture and disease resistance, were selected during rose domestication and subsequent improvements.

During the past decade the deciphering of the genome of many plant species have provided scientists with a framework to understand how plants grow and interact with their environment. In the frame of an international scientific consortium, we initiated the determination of the genome sequence of the rose. Such information is expected to facilitate and speed up scientific research to understand the molecular and genetic mechanisms underlying important traits in *Rosa* (flowers, plant architecture, disease resistance, etc.). Rose breeding is time consuming, especially for complex traits, and the outcomes are usually unpredictable. The gained knowledge will also help predicting plant characters through DNA sampling and tests (DNA marker-assisted breeding) and therefore to substantially improve breeding. Besides the economic importance, the gained knowledge is also of scientific interest. The rose is well suited to be a model organism for woody ornamental species. The importance of a rose genome sequence and its potential uses for the rose and for other related species, will be discussed.

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## Meet your rose grower



Sahil A. Thombare, from Pune, Maharashtra, born on 24<sup>th</sup> June - 1993, at present pursuing his Bachelor's degree in Mechanical Engineering from University Of Pune. Amongst his leisure activities in areas of arts as well as adventure, knowing, growing and showing roses, his recent interest.

The hobby of gardening comes to him from his mother, as a kid, he always assisted her in all soil – pot - plant activities, watering plants regularly was the very first responsibility given to him. As the family was interested in gardening, visiting the Annual flower shows all around the city was regular, during these planned visits to flower shows, I was always curious and desperate to see the “Roses”, King of all flowers, I had a special liking for the same and will continue to have it.

World is full of interests and he being an explorer of them, came to know about “The Rose Society Of Pune”, and readily took its membership, then actively started attending its monthly meetings and got loads of knowledge on roses, through the lectures by experts . Till that, he use to tend his roses using the guidelines from the book “All About Rose” by Dr. B. P. Pal, published in 1973, and very soon he had the basics about roses pretty much clear, as an amateur he started applying all the gained knowledge on the very few roses he had back there and was happy with the outcome.

A one step further was participating in the rose shows, was the very next thing on his mind, keeping this fact in mind he sought guidance from Mr. Ganesh S. Shirke, who is a popular guru in the field of roses and is also counted amongst the famous rosarians of the decade, is also known for winning prestigious awards like “King of The Show”, three times back to back, in the respective monsoon shows, he whole - heartedly helped me out with

all the integrities of rose growing, right away taught me the basics, from preparing and potting mixture, filling up the pot, planting a bare - root plant of selected exhibition varieties, feeding it with proper amount of required fertilizers to get quality blooms, pruning it on very right time with respect to exhibition dates, cutting flowers for same and also staging it properly in the show, he also introduced me to a revolutionary technique of growing roses in coco – peat, everything was a hands - on experience and I owe him a big thank you, says Sahil.

Other celebs in the field like Mr. Ashish More, a very reliable source for getting all the exhibition class varieties in his nursery and his Facebook friends, Mr. Rahul Kumar and Mr. Sanjoy Mukherjee, a daily dose of inspiration, have been his distant guides. He would also like to give credits to all the seasoned rosarians he has met in The Rose Society Of Pune, they too guided him up the way.

Speaking about his “Romance With Roses”, I am in utter love with HT varieties, the Floribunda and Miniatures are secondary, amidst all I am a fan of Moonstone, Touch Of Class, Lynn Anderson, Gemini, Veterans Honor, Macha Merrill, Swarthmore, White Success, Tineke, Cabana and Sheer Elegance. Lemon Glow, Showbiz, Summer Snow, Sadabahr, Child’s Play, Baby Darling, Snow Bride, Fire Flash are some of the floribundas and miniatures that please me.

Its only my second year of competitive participation in the exhibitions and my flowers haven’t yet made any trips to the “Hall of Fame”, but to speak of my achievements, I won best novice entries in the year 2015, winter show of Rose Society Of Pune, got 6 & 5 prizes in the PMC and PCMC (Municipal Corporations’ Show) respectively, and won three prizes in 34<sup>th</sup> All India Rose Convention, January - 2016, held in Pune.

My future plans in field of roses (surely it’s a long way to go there but preparing right away), I would like to do a research on pot culture of roses, and find out an economic way (I won’t say a cheap way) to grow quality roses with minimum expenditure. I would also like to contribute to Indian bred varieties by creating some new ones (especially stripped one) and last but not the least I would promote ‘Rose - growing’ amongst my future generations and would encourage people to do the same.





The Mumbai Rose Society had its 3<sup>rd</sup> MIAL - MRS Flower and 57<sup>th</sup> Rose Show at the sprawling MIAL Colony grounds, filling up the air and neighbouring environment, with the pleasant fragrance of flowers, the erected dome was full of flowers of various varieties and color, leaving the onlooker bewildered and joyous, some 35,000 plus citizens enjoyed the two day show, ranging from the toddlers to the teens, middle aged and the old, for them it was a grand occasion, in the jungle of steel and cement, I must THANK the participants, who were generous with their contribution, the Corporate, Builders, Growers, Hobbyist, Nurserymen, Government and Semi - Government Organizations in aiding us to make the show a grand success, in the rose competition the fight was between the two giants, Ashish More and Dr. Vikas Mhaskar, with the former taking the King and Princes, while the latter grabbing the Queen and Princess, we owe our success to you the participants.































