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NAVS NEWSLETTER

(Quarterly)

FOR PRIVATE CIRCULATION ONLY
NEW DELHI



Editor: Prof. Dr. R.N. Kohli

NATIONAL ACADEMY OF VETERINARY SCIENCES (INDIA)

Office: G-4, A Block, NASC, Dev Prakash Shastri Marg, New Delhi-110 012

NATIONAL ACADEMY OF VETERINARY SCIENCES (INDIA)

(Registered with the Registrar of Societies vide Regn. certificate No.S-2/4471 of 1993 dated 7th July 1993)

NEW DELHI NAVS NEWSLETTER JULY, 2017

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Cover design assistance: Mr. Narendra Pandey

**All correspondence regarding the Newsletter may kindly be addressed to the Editor:
rnkohli@gmail.com.**

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CH. 1: NAVS GENERAL INFORMATION

OUR MISSION

“To consolidate and promote the views of scientific community on all policy matters related to Veterinary Science and Animal Husbandry in the welfare of India; to encourage better training and utilization of veterinary talent and enterprise in the country; to strive for advancement of livestock sector in the national economy; to promote animal welfare; to protect environment; and to safeguard the interests of the profession and to gain greater recognition and acclaim for it”.

1.1: GOVERNING COUNCIL 2017-19

Office Bearers

President: Maj. Gen. Dr. Shri Kant Sharma; shrikant28@hotmail.com
Vice-President: Dr. DVR Prakash Rao, Chennai: contect@prakashfeeds.com
Secretary General: Dr. S.K. Gupta, skguptadr@gmail.com
Treasurer: Dr. Nem Singh: singhnem1945@gmail.com
Editor: Dr. R. N. Kohli: rnkohli@gmail.com

Members

ELECTED

Dr. B.N. Tripathi, Hisar: bntripathi1@yahoo.co.in
Dr. Sanjeev Kumar, Izatnagar: skgcari@yahoo.co.uk
Dr. Minakshi Prasad, Hisar: minakshi.abt@gmail.com
Dr. S.K. Srivastava, Izatnagar
Maj. Gen. Dr. M. L. Sharma: sharmaml@thebrookeindia.org
Dr. Ravindra Sharma, Hisar: rsharma698@gmail.com
Dr. V.D.P. Rao, Vijaywada: raovdp@rediffmail.com
Col. Dr. R. P. Garg, Noida, U.P.: email ID not available
Dr. S.N. Singh, Bangalore: snsingh.2006@gmail.com
Dr. S.K. Saha, Izatnagar: subodhksaha@yahoo.com
Dr. A.B. Mandal, Izatnagar: drab.mandal@gmail.com
Dr. S.S. Randhawa, Ludhiana: sarnarinder@gmail.com
Dr. Mandeep Sharma, Palampur: mandeepsharma289@hotmail.com
Dr. P. N. Khanna: pran_khanna@rediffmail.com
Dr. S. K. Tiwari, Durg: drtiwarisurgery@gmail.com

Members

EX-OFFICIO

Incumbents holding following Official GOVT. OF INDIA POSITIONS are Ex-Officio members: DG RVS; DDG (A.S.), ICAR; AHC (GOI); and President VCI

1.2: PATRONS, HONORARY FELLOWS

PATRON

Dr. R.P.S. Tyagi (2004)

HONORARY FELLOWS

**Shri. Sirajudin Qureshi (2006); *Dr. N.R. Bhasin (2011); * Dr. J.P. Kukreti (2012);
Shri Sushil Kumar Agrawal (2012); Dr. Sanjeev Kumar Balyan (2014)**

*Since deceased

1.3: INSTITUTIONAL/CORPORATE LIFE MEMBERS

INSTITUTIONAL LIFE MEMBERS

**LUVAS (Lala Lajpat Rai University of Veterinary & Animal Sciences), Hisar,
Haryana.**

**CKVU (Chattisgarh Kamdhenu Veterinary University), Raipur / Durg,
Chattisgarh.**

**MAFSU (Maharashtra Animal & Fisheries Sciences University), Nagpur,
Maharashtra**

**RAJUVAS (Rajasthan University of Veterinary & Animal Sciences), Bikaner,
Rajasthan**

**DUVASU (Deen Dayal Upadhadhaya Veterinary and Animal Sciences University,
Mathura, U.P.**

KCVAS (Khalsa College of Veterinary & Animal Sciences), Amritsar, Punjab

CORPORATE LIFE MEMBER

M/S Indian Herbs, Saharanpur

1.4: PAST OFFICE BEARERS OF THE ACADEMY

Presidents:

* Dr. C.M. Singh - 1993 - 2004 (Founder President)

Dr. S.K. Ranjhan - 2004-2007

Dr. S.C. Adlakha - 1/7/2007 - 28-2-2008

Dr. R.R. Shukla - 28/2/2008 - 31/10/2010

Dr. M.P. Yadav - 31/10/2010 - 31/12/2013

Dr. K.M.L. Pathak 1/1/2014 - 22/4/2017

Vice-Presidents:

Dr. R.P.S. Tyagi -1993 - 2004

Col. (Dr.) V.K. Bhatnagar- 2004-2007

Dr. R.R. Shukla - 1/7/2007 - 28-2-2008

Dr. P.N. Khanna - 28-2-2008 - 31/10/ 2010
Col. (Dr.) V.K. Bhatnagar- 31/10/2010 - 31/12/2013
Maj. Gen. (Dr.) Shri Kant Sharma 1/1/2014 - 22/4/2017

Secretary Generals:

Dr. P.N. Bhatt -1993 - 2004
*Dr. K.L. Sahani -2004-2007
*Dr. B.S. Nanda - 1/7/2007 - 23-5-2008
Dr. N.N. Pathak - 23-5-2008 - 6/7/2009
Dr. R.N. Kohli - 6/7/2009 - 31/10/2010
Dr. Gaya Prasad - 31/10/2010 - 31/12/2013
Dr. Rishendra Verma - 1/1/2014 - 22/4/2017

Treasurers:

Dr. A. Ahmad and Dr. B.S. Malik } -1993 - 2004
Dr. P.N. Khanna - 2004-2007
Dr. Lal Krishna - 2007 to - 22/4/2017

Editors:

Dr. R.N. Kohli - 6/7/2009 to - Date (Founder Editor)

* Since deceased

1.5: CHRONOLGY OF NAVS CONVOCATIONS-CUM-CONVENTIONS

1. First NAVS Convocation: 18th December 1996 at Vigyan Bhawan, New Delhi
2. Second NAVS Convocation: 30th January 2000 at Pragati Maidan, New Delhi
3. Third NAVS Convocation: 16th April 2002 at IVRI, Izatnagar, U.P.
4. Fourth NAVS Convocation: 7th May 2005 at GBPUAT, Pantnagar, Uttrakhand
5. Fifth NAVS Convocation: 5th May 2006 at JNKVV, Jabalpur, M.P.
6. Sixth NAVS Convocation: 28th June 2007 at KVAFSU, Bangalore, Karnataka
7. Seventh NAVS Convocation: 16 May 2008 at SKUAST, Jammu, J & K
8. Eighth NAVS Convocation: 23rd January 2009 at SVVU, Tirupati, Andhra Pradesh
9. Ninth NAVS Convocation: 30th October 2010 at NDRI, Karnal, Haryana.
10. Tenth NAVS Convocation: 12th November 2011 at RAJUVAS, Bikaner, Rajasthan.
11. Eleventh NAVS Convocation: 2nd November 2012 at DUVASU, Mathura, U.P.
12. Twelfth NAVS Convocation: 28th January 2014 at LUVAS, Hisar, Haryana
13. Thirteenth NAVS Convocation: 28th February 2015 at CGKV, Durg, Chhatisgarh
14. Fourteenth NAVS Convocation: 4th November, 2015 at IVRI, Izatnagar, U.P.
15. Fifteenth NAVS Convocation held on 22 October, 2016 at KCVAS, Amritsar, Punjab

2. NAVS NEWS

2.1: New Governing Council takes over during the last meeting of the previous Governing Council (2014-2016)

Consequent upon the declaration of results of the recent elections, a new Governing Council of the Academy took over during the last meeting of the previous GC (2014-2016) held on 22nd April 2017. Maj Gen Shri Kant, Vice-President, presided over the meeting as the President Dr. K. M. L. Pathak could not attend the meeting due to his sudden official engagement. Eight members of the GC were present at the meeting. Dr. Rishendra Verma, Secretary General handed over the Registers and Official files to Dr. S.K. Gupta newly elected Secretary General. Dr. Lal Krishna handed over the accounts and expenditure records to Dr. Nem Singh, the new treasurer, as per a list providing all details of FDRs, accounts etc. The list, prepared by Dr. Lal Krishna, was signed by Dr. Nem Singh and Dr. Lal Krishna. It was decided that the pending bills for payments shall be settled by the new GC. The GC appreciated the work of Dr. Lal Krishna in handling accounts and expenditure of the NAVS (I). The report of the recommendations of the screening committee for award of Fellowships etc, revision of score card for award of Fellowships etc and some other pending cases were referred for consideration to the new GC.



We heartily congratulate the new members of the G.C. We are pleased to note that, for the first time, a woman member has been elected in the new Governing Council and offer our special congratulations to Ms. Minakshi Prasad and to the Fellows of the Academy. Let us hope it is a trend-setting event for future.

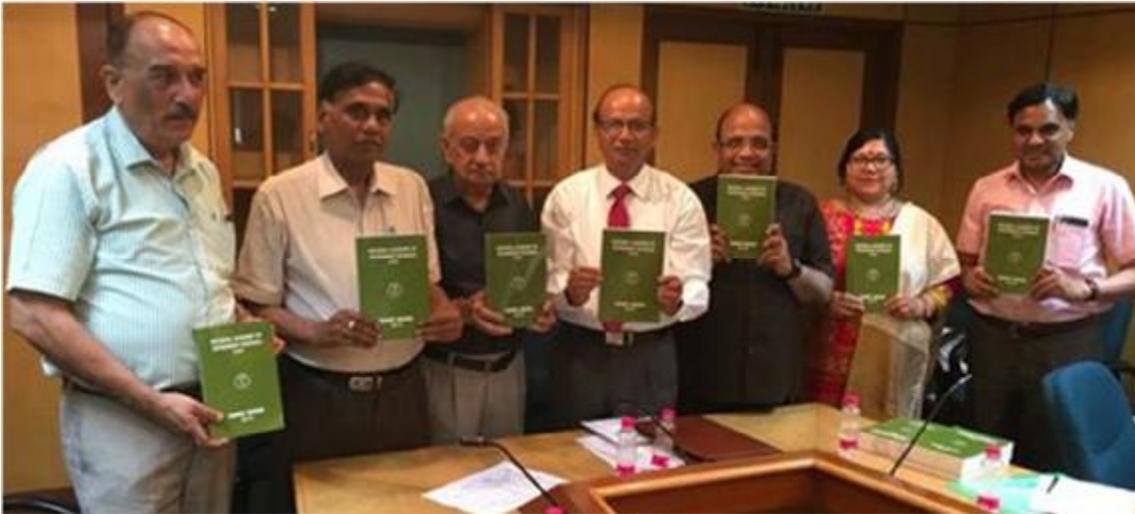
2.2: New GC (2017-2019) Holds its First Meeting

Maj Gen Shri Kant, President, presided over the first meeting of the newly elected GC on 22nd April 2017. It was attended by 16 GC members and commenced after observing two minutes silence as a tribute to the Fellows who recently left for heavenly abode.

In his opening remarks, the President outlined the priorities of the Academy for uplifting the veterinary profession. He requested the GC members for active participation in discussions and solicited suggestions for popularization of NAVS as well as for of fund-raising for NAVS activities.

2.3.1: NAVS Hand Book 2016 Released

Before taking up the agenda items for discussions, the NAVS (I) Handbook-2016, compiled and edited by Prof. (Dr.) R.N. Kohli was released by the President of NAVS ((I). Dr. Kohli, who was unavoidably absent, had personally requested Maj. Gen. Shri Kant Sharma and GC members for the release of the hand book that was awaiting release for several weeks. He thanked the GC for agreeing to his request and hopes that copies of the publication will now be sent to the Fellows / Members of the Academy.



2.3.2: Important Issues Discussed at the Meeting

(A) Issues arising out of the minutes of the G C meeting held on 21.10.2016 at K.C.V.A.S., Amritsar and other pending issues

With regard to the decision on 'removal of the members who do not attend the Governing Council meetings continuously for two terms', the GC members felt that though it was inappropriate to take such drastic action (to remove members elected for a period of three years), it was also emphasized that discipline is a must for any organization to progress. It was, therefore, resolved that all the members should attend the meetings unless and until a genuine reason is there for their absence. A committee of the GC Members was also constituted to frame new guidelines in this regard.

The report of the screening committee for fellowship/membership of NAVS (I) was accepted in principle. However, as certain discrepancies in totaling of marks were pointed out by some members, it was decided to refer them to the same committee for their comments/rectification, if any.

With regard to revision of score card for award of Fellowships etc, as no action seemed to have been taken by the previous Governing Council, a committee of GC members was constituted to come up with a revised evaluation format while keeping in view the aspirations of all sections of the veterinary profession. Their report would be discussed for necessary decision in the next meeting of GC.

With regard to Presentation of Detailed Election Results, the Returning Officer, Dr. V.P. Singh, who was supposed to present the detailed report regarding NAVS (I) election-2016, could not attend the meeting due to family engagements. The detailed report mailed by the Returning Officer to the newly elected President was read out to the members of the Governing Council. The house complimented Dr. V.P. Singh and his team for smooth conduct of the elections. Further, it was resolved to keep the detailed record concerning election in the office of the Academy.

(B) Other Agenda-Items Discussed

The following other items were discussed at the meeting:

1. Maintenance and updating of the NAVS website:

Dr. Sanjeev Kumar and Dr. Ravindra Sharma were requested to maintain the website of NAVS (I). Further, they were requested to upload the updated list of Fellows and Members on website. It was also decided to form a WhatsApp group for Governing Council Members for sharing the activities of NAVS and important issues pertaining to livestock sector.

2. Relinquishing the office of Editor NAVS (I) by Dr. R.N. Kohli.

The President apprized the house about the e-mail received from Dr. R.N. Kohli on the above subject. He further informed that he had telephonic talk with Dr. Kohli and requested him to continue as Editor, NAVS (I). All the members appreciated the yeoman's service rendered by Dr. R. N. Kohli and were of the opinion that Dr. Kohli may be requested once again to continue as Editor, NAVS. Further, Dr. P.K. Kapoor, a Fellow from LUVAS, will be requested by NAVS (I) to assist Dr. Kohli as Editor.

3. Mobilization of resources.

The members were of the view that efforts are to be made to strengthen the Academy with more funds in order to promote its objectives. Hence, it has been decided to adopt the following measures:

a) To explore the possibility of registering with the NITI Aayog to facilitate resource generation.

b) To bring in the concept of life membership of Rs. 1 lakh for individual veterinary colleges under the Agriculture Universities and private companies of small and medium scale.

c) The large corporate sector and Veterinary Universities shall become corporate members on payment of Rs. 5 lakhs as per the original decision.

d) To invite voluntary contributions from different organizations and members (who can afford) to strengthen NAVS. Dr. D.V.R Prakasha Rao, Vice-President, who heads a mid Corporate Company agreed to make the company a life member of NAVS. The house appreciated his gesture.

4. Quarterly Meeting of Governing Council in Different Regions:

It was suggested to popularize NAVS and to make the Scientists / Faculty members aware about the objectives, achievements and future perspectives of NAVS, lectures are to be organized during quarterly meetings of Governing Council of NAVS (I) in different regions of India. Next meeting of Governing Council of NAVS (I) will be held at LUVAS, Hisar and an orientation programme will be organized at LUVAS. In this regard the President will approach the worthy Vice-Chancellor, LUVAS, Hisar.

5. NAVS will have linkage with all the Veterinary Universities, Research Institutions and Veterinary Colleges. President NAVS (I) will write D.O. letters to all VCs of Veterinary Universities, Deans of Veterinary Colleges, Directors of ICAR Institutions for encouraging faculty members / scientists to apply for fellowship or membership of NAVS (I).

6. Recognition of NAVS Fellows at par with Fellows of other academies as well as making efforts for establishment of ICVR.

All the members were of the unanimous view that both the issues are very important and Academy should play a leading role in this regard. It was suggested to avail the services of Senior Fellows and to form a committee of eminent Fellows of NAVS (I).

7. Venue for the Next Convocation-cum- Convention of NAVS (I).

It was decided to hold the next convocation-cum-convention of NAVS (I) in any of the Southern Veterinary Universities. Dr. Prakasha Rao was requested to talk to the Vice-Chancellor of TANUVAS or KVAFSU or SVVU, Tirupati to explore the possibility of holding next convocation in their campus. Further, the members were of the view that the convocation-cum-scientific convention should be of two days duration.

8. (Paravet Regulations) and (Implementation of OIE Minimum Standards for Working Equines):

GC Members deliberated on both these important issues, submitted by Maj. Gen. M.L. Sharma and formed a committee of GC Members to formulate a draft paper to be submitted to the concerned authorities (ICAR/Ministry of Agriculture/VCI, etc) for recommendation/implementation.

9. Post graduation in clinical departments.

The GC Members also discussed the letter of Dr. Kirti Dua, Fellow of NAVS (I) regarding specialization in clinical subjects on the analogy of medical profession. The members deliberated on the issue and constituted a committee of experts of clinical subjects for suggesting as well as drafting recommendations for this issue for discussion in the next GC Meeting.



3. EDITOR'S NOTE

OUR PRIVILEGE



To be at the service of our profession is our privilege - a Proud Privilege. It is the proud privilege of all the Veterinarians, including all the Fellows and Members of the Academy, particularly its Governing Council. The latter have specially been chosen for the service of the profession by the Academy. It is an honor that the Academy and all their professional colleagues have bestowed upon them. We are sure they will come up to their expectations. For this they shall have to donate their time, energy and resources selflessly and with courage and honesty. The motto of the Academy entrusts us to work for overall welfare of India by:

- Ø Consolidating and promoting the views of our scientific community on all policy matters;
- Ø Encouraging better training of Veterinary talent and enterprise;
- Ø Striving for advancement of livestock sector in national economy;
- Ø Promoting animal welfare;
- Ø Protecting environment; and
- Ø Safeguarding the interests of the profession to ensure its greater recognition and acclaim.

Similarly, the common Veterinary Ethical Oath entrusts upon us as members of the veterinary profession to solemnly swear to:

- Ø Use scientific knowledge and skills for the benefit of society;
- Ø Promote animal health and welfare, relieve animal suffering, protect the health of the public and environment, and advance comparative medical knowledge;
- Ø Practice the profession conscientiously, with dignity, and in keeping with the principles of veterinary ethics;
- Ø Continuously improve my professional knowledge and competence and principles of veterinary ethics to maintain the highest professional and ethical standards for myself and the profession.

It is now for all of us to come up to the expectations of those who have bestowed their trust in our hands. It is the time for us now to pay back to the profession - The profession that has given us so much.

4. LETTERS TO THE EDITOR

Dear Dr. Kohli, Thank you for bringing out the NAVS Newsletter regularly in past 8 years. I greatly appreciate your hard work in this regard. The new GC should continue to seek your support in further strengthening the academy. Many times one feels out of place in electoral politics in academies.

Dr. Gaya Prasad, Past Secretary General NAVS; gprasad1986@gmail.com

Dear Prof Kohli: Your editorial services to the Academy were exemplary and will be remembered for long. I wish you happy and healthy lifestyle ahead. With regards: Dr Ajit Singh, Email: adjitprinik@msn.com; LUVAS, Hisar

Thank you for performing a thankless job. I used to look forward to the Newsletter every quarter as it gave a peep into what was happening in Veterinary Science. It was your baby which you nourished so well that it can stand on its own feet. THANK YOU.

Brig. Dr. V.P. Manchanda

Respected Dr. Kohli: Thanks a lot for the April 2017 issue of the NAVS Newsletter. I salute to your dedication, Sir.

Dr. Sarnarinder Randhawa, Director of Research, GADVASU, Ludhiana

Dear Prof. Kohli: (1) It is a good gesture on your part to have offered to relinquish the office of Editor, but simultaneously, I appeal to the newly elected body to request for your continuation on this prestigious position.

(2) You have rendered yeoman service to the NAVS for over a decade. Every fellow/ professional remained craving to put their hands on latest issue of the Newsletter that enriches the fellowship with the composite information on the veterinary profession/ science/ technologies/ education and other allied issues. This issue again is a capsule containing plethora of information. You by virtue of your concerted and dedicated efforts have set high standard of quality publication. Though, I personally wish you to carry forward the selfless responsibility, but in event of transferring the baton for whatsoever on any grounds, I do hope that person replacing you should quickly imbibe your virtues to carry forward the mission. Lastly, you have published a excellent interview of Indian Soldier, that has lifted moral of every Indian and aroused nationalistic feelings, but still I feel, academy newsletters may greatly restrict itself to its mandated missions and goals. Regards

Dr Jitendra Singh Bhatia, Former ADG (EDU), ICAR, B-101 Sector-2, Plot-3C, Mandakini Apartment, Dwarka, New Delhi 110075, MOB-09316612588, 09311039604; [<bhatiajs05@rediffmail.com>](mailto:bhatiajs05@rediffmail.com)

Sir, It is not a good news that you have decided to leave the position of the Editor NAVS (India). I do not know how newly elected executive would respond on your decision but I can not imagine the Newsletter without you.

Respectful Regards: Dr. Gaj Raj Singh <drgajrajs@gmail.com>

Sir, I was sad to read this mail from you. I doubt anybody else will be in a position to keep the newsletter in way you did. This is the most important activity of the NAVS as there was, frankly, hardly anything else to keep the members, fellows in touch with each other and with the academy. I wish your resignation is not accepted and you reconsider in professional interest. Regards
Dr. Jit Singh, <jjtp48@gmail.com>

Well-done Dr Kohli, sir. Great job; well done. Your contribution will be remembered by one and all. Good luck to you both. Wish you All the Best. Try to have a trip to Jodhpur. We will love to have you as our guests. Thanks.

Brig N M Singhvi, <singhvinm@gmail.com>

As usual, the NAVS Newsletter of April, 2017 is very informative and useful to the readers. Congratulations for the wonderful work you have been doing to the veterinary profession. Thanks and Regards..

Dr. G.S. Rajorhia, Vice-President, Indian Dairy Association,

Email: <gsrajaorhia@rediffmail.com>

Dear Dr Kohli: Really it was hard to read your letter. You did your job very nicely and I hoped you would have continued. We don't know how the new incumbent will deal the newsletter which had been a very good medium of communication. But we have to pass Baton with the hope it reaches in the hands of right person. I wish a most satisfying and healthy future life for you sir! Congratulations for publishing the NAVS Hand Book. It is such an excellent work. You have always tried to upgrade the Academy.

Dr. Mahesh Agrawal; Former: Emeritus Scientist, ICAR and Dean Veterinary College, Jabalpur; Email: <drmcagrawal@gmail.com>

Congratulations Dr. Kohli; Publication of NAVS Hand Book is indeed a great task. Dr. Vishwashwar Sharma; vdsharmadoon@gmail.com

Dear Dr. Kohli, Please accept my great appreciation and heartily congratulations for serving as founding Hon. Editor of NAVS (India). Your dedication and style will be missed. Best wishes.

Dr. I. P. Singh, U.S.A.; Indra Singh <isinghindra@aol.com>

Dear Dr Kohli: My heartiest congratulations for finishing the task of NAVS as a hero and as a winner. It was a Herculean task to raise the NAVS from infancy to the childhood and then to adult hood. Only dedicated person like you can do it. Dr S P Singh, Former Director - Central Institute for Research on Cattle,

CIRC (Formerly PDC), B-113, Taxila Colony, Near Medical College, Meerut - 250 004; Email: satyapsingh@hotmail.com

Respected Sir: Thanks and highest regards for your yeoman service to the profession and the NAVS. I wish you a sound health and happiness. Hope you will keep yourself involved in professional pursuits in one way or the other and also to encourage the farmers. Regards

Dr. Inderjeet, Director, Central Institute for Research on Buffaloes, Hisar; Email: inderjeet.dr@gmail.com

I wish the NAVS maintains the high standards which Dr RN Kohli brought about in NAVS Publications. Dr. Rama Kumar V., Former Secretary, Veterinary Council of India, New Delhi; Email: drramakumarv@gmail.com

Dear Dr. Kohli, I never expected that you couldn't be elected this time. You did a commendable job in making the Academy visible through the newsletter which was very comprehensive and was regularly circulated among the Fellowship. The Academy and the Fellowship will miss you. I thank you and appreciate your contribution to the cause of NAVS.

Dr. K. Pradhan; Khageswar Pradhan ks_pradhan@yahoo.com

Dear Dr Kohli, I read with great interest the information package in your newsletter. You do not seem to leave anything to chance. My appreciation to you for the efforts that you have put in to bring out such an excellent information. I am sad having learnt about the demise of Dr. Daya Singh Balain and Dr. I.S. Chandna. I knew both of them personally as my favourite teachers. Dr Chandna particularly the way he guided us in the 'Clinic'. A person with a soft magical touch for individual attention to students. Dr Balain was my teacher while I did my PG in Animal Breeding. The fact that he was not my official guide never prohibited him from being a help-on-hand. In both, the fraternity has a great loss. My heartfelt condolences to their kith & kin.

I have read with interest the comments of Dr. R. Unni Krishnan that Dairy farms can be and are profitable, provided one follows these: Never compromise on the basics, such as quality of cows, feeding, milk marketing, optimum labor utilization and bare minimum mechanization, etc. I do concur with him I am currently a consultant to a dairy farm in Berhampur district of Odisha. I started helping it when it was in a mess and incurring heavy losses every month. If anything was missing it was management. The farm had 8 cows dying of metritis, 16 suffering from mastitis, and another dozen from lameness. Average milk of in-milk crossbreds was 6 litres a day. In less than a year the farm is on a strong footing making marginal profits. Efforts are on to increase profits through retailing of milk and milk products. My heartiest congratulations to the incoming team led by Maj. Gen. Dr. Shri Kant Sharma. With kind regards: Dr. R.S. Khanna dr.rskrsk@gmail.com

Dear Sir: Thank you very much for splendid and glorious work for NAVS.
Dr. Apurba Chakraborty <drapurba2@gmail.com>

Dear Dr Kohli: Thanks for your letter. I am sorry that I shall be missing you and the NAVS Newsletter. You have really significantly contributed for the Academy. God bless you. Thanks and Regards
Dr. Surendra Kumar Ranjhan, Former President NAVS (India)
Email: <sk_ranjhan19@yahoo.in>

Dear Dr Kohli, It is very sad that you are relinquishing the office of Editor, NAVS (India). I wish you could have continued. I am confident that no one in sight for the moment who will be able to take up this responsibility. Wish you all the best. Dr. R.S. Sharma, LMIVA. President, Indian Veterinary Association
<drsharmars@gmail.com>

Dear job for preparing and editing NAVS Newsletter. I have always looked Dr. Kohli: I just want to express my heart-felt appreciations to you and your team for doing an excellent forward to receiving the newsletter and have immensely enjoyed reading it. Please let me know if I can be of any help to you as you continue to enjoy the Golden Period of Your Life.

Warmest Regards, Dr. Hari Goyal, Professor Department of Biomedical Sciences, College of Veterinary Medicine, Tuskegee University, Tuskegee, AL 36088; goyalho@mytu.tuskegee.edu

Thank you so much for kind communication along with the Newsletter. Thanks are also due to bringing very good updated information both professional and general. I shall go through it in detail later. I pray Almighty for good health and happiness to you, family and friends. Kind regards,

Dr. A.B. Pandey, Principal Scientist and I/C, VTCC, Division of Biological Standardization, ICAR-Indian Veterinary Research Institute, Izatnagar, Bareilly - 243122; India Telefax: +91-581-2301757; abpandey58@rediffmail.com

It was really wonderful experience to receive NAVS news letter with your great words. I thank you from my heart for your efforts. I wish all health and pleasure in coming time. Dr. Amit Kumar <balyan74@gmail.com>

Dear Sir: You have done a good job. I felt you should have continued for another term for the simple reason you are the competent person. God bless you. Dr. K. Nachimuthu Email: <nachimuthu@hotmail.com>

Respected Dr. Kohli Sir, You have done yeomen service to the Academy. Hats off to you! Best Regards. Dr. P.S.P. Gupta, Ph.D, PDF (USA), FNAVS, Principal Scientist, NIANP, Bengaluru. Email: Parameswara Gupta PS <pspgupta@hotmail.com>

Dear Sir: You have done a good job. I felt you should have continued for another term for the simple reason you are the competent person. God bless you. Regards, Dr. K. Nachimuthu; <nachimuthu@hotmail.com>

At this age the precious information being shared by you is really commendable, Sir. We are still very much behind in the dedication. I am sure your example will be followed by many to instill vigour in our young bodies but old and feeble minds. Hat's off, sir. Dr. Ranjan Mohanta

The greatest achievers have been those who have always stayed focussed on their goals and have been consistent in their effort. I have seen all your Newsletters for NAVS. Marvellous Job, Sir. I have not seen the NAVS HAND BOOK 2016. Will I be having a chance to look into it to comment for? Very best regards. Dr. Lachhman Das Singla

Congratulations Sir. You are an inspiration for new generation.
Dr. T.K. Gahlot

Congratulations to you on a mission well accomplished and God bless you for your great long service to the academy.
Dr. Srinivasan Ramanathan, Apollo Veterinary College, Jaipur, Rajasthan

Dear Dr Kohli: Thanks a lot for the April issue of NAVS Newsletter. It is a very informative to keep us updated about Veterinary profession and the efforts you have put into it are commendable. With kind regards,
Dr. O N Kunzru; email: omkarkunzru@gmail.com

April 2017 issue of NAVS Newsletter has excellent presentation of various areas of Veterinary and other activities. I offer my congratulations to the new NAVS president and his team. Hope Academy will touch new heights under the command of Maj Gen Shri Kant Sharma.
Dr S.P Gautam +91 9891678342 twitter #AnimalSociety

EDITOR RESPONDS TO THE READERS

I feel handicapped for want of sufficient suitable words to adequately express my gratefulness to the large number of Veterinarians from India and abroad who have written to me, telephoned to me and personally met me to express their appreciation for my work as Editor of NAVS (India). Almost all of them have also urged me to continue for some more time. The new Governing Council of NAVS too has unanimously wanted me to continue. As a gesture of my deep respect and gratefulness to all my professional colleagues and friends and to honor the decision of the Governing Council, I have most humbly agreed to continue till my health permits. Prof. Dr. R.N. Kohli

5: FROM THE PRESIDENT'S DESK

Reducing Risks of Infectious Diseases at the Animal-Human-Ecosystems Interface



“Knowing is not enough; we must apply. Willing is not enough; we must do.” —Goethe

In recent years, the concept of One Health has become more common within public health circles. As per United Nations and the American Veterinary Medical Association One Health is defined as “the collaborative effort of multiple disciplines working locally, nationally, and globally to attain optimal health for people, animals and our environment”. The One Health approach attempts to recognize that numerous disciplines across many sectors are required to solve the complex problems facing public health. The most significant public health problems cannot be solved using the epidemiological triangle and can only be solved using a multi-approach.

Worldwide population growth, migration patterns, and environmental degradation have transformed the environment in which human and animal population’s cohabitate, greatly affecting the emergence of infectious and non-infectious disease trends. Emerging disease can have substantial economic and social costs, for example, the outbreak of H5N1 Highly Pathogenic Avian Influenza (HPAI) has resulted in global economic losses of more than \$20 billion. The spread of HPAI is not an isolated zoonotic disease incident. An extensive literature review identified 175 emerging diseases; 75% of those classified as zoonotic. One Health has gained international attention as an approach to control infectious disease outbreaks at every level and to address interconnected health threats affecting animal, human, and ecosystem domains.

The 'One Health' concept is founded on an awareness of the major opportunities that exist to protect public health through policies aimed at preventing and controlling pathogens within animal populations. The collaborative approach of One Health has even been suggested to alleviate poverty in the developing world through diminishing burden of illness associated with under-reported zoonotic disease and strengthening access to social services in rural settings.

Additionally, globalization of the food supply has served to expand the range of food borne pathogens as well as to amplify health and economic impacts of a single contamination incident

The following recommendations are put forth to encourage successful implementation of One Health mandates:

1. Agencies must understand One Health and share their knowledge with relevant stakeholders. Organizations must be familiar with One Health concepts. The promotion and dissemination of One Health information will

bring awareness to this approach and encourage implementation within a variety of sectors.

2. Public health organizations must become more knowledgeable regarding complex systems and recognize the importance of the ecosystems' role in public health. To date, environmental interface has been somewhat neglected in One Health literature. In order to address this gap, a more holistic approach must be taken; an approach that goes beyond zoonotic disease and the interactions between animals and humans and expands to the ecosystem in which we all live.

3. Public health agencies must enhance their capacity and ability to work with stakeholders from a variety of disciplines. To ensure the success and expansion of the One Health movement, relationships must be nurtured to create open dialogue between sectors and working groups. Professionals involved in human, animal, and ecosystem health must avoid silo thinking within their designated fields and practitioners must seek and be receptive to collaboration with personnel from diverse backgrounds.

Challenges for One Health

The evolution from One Medicine to One Health included the addition of the ecosystem interface; however, to date the literature and strategic framework for the implementation of One Health has been predominately focused on curbing the emergence of zoonotic disease within the human, animal interface with little focus on the ecosystem. Professionals within the One Health field argue there is a disconnect between professions working within the framework, specifically those from veterinary and medical communities. The inability to effectively coordinate professional services could jeopardize communication and surveillance regarding emerging zoonotic disease and curb the opportunity for collaboration in other interconnected matters of public health concern. Lastly, the challenge of capacity can be an issue for government bodies as not all countries have the ability to support a One Health agenda. This lack of resources and informed personnel may prove difficult in establishing networks between animal, human, and environmental health professionals.

The synergies between animal health, public health and environmental specialists, applied at a local, national and global level will undoubtedly contribute to the constant and simultaneous improvement of public health and animal health worldwide.

Maj Gen Shri Kant, SM, VSM (Retd)
(shrikant28@hotmail.com)

6: VET TRACKS

6-A: Obituary

6-A.1: Lt. Gen. Dr. Jagvinder Singh is No More

We are sorry to inform that Lt. Gen. Dr. Jagvinder Singh Balhara, former Director General, Remount Veterinary Services of the Indian Army, is no more.



Lt. Gen. Dr. Balhara was born in Rohtak, Haryana on 08 April 1955; Educated at HAU, Hisar: BVSc & AH (1976), MVSc (Surgery) (1978). He was Director General Remount Veterinary Services, Indian Army Commandant RVC C&C, Meerut Cantt.; Commandant Equine Breeding Stud, Hisar; Commandant Remount Trg School & Depot, Saharanpur and Hempur; Commandant 1 Adv Fd Vet Hosp; Various other professional, administrative and staff appointments. Besides other distinctions, he won Bhalla Trophy for outstanding contribution; "Vishisht Sewa Medal" (VSM) by Hon'ble President of India on 26 Jan 2015. The Academy offers its heartfelt condolences to the bereaved family of the departed soul. RIP.

6-B: Appointments, transfers, promotions, awards, honors and felicitations

6-B.1: Dr. Vir Singh Felicitated

Dr. Veer Singh, Professor & Head, Dept. of Veterinary Parasitology, College of Veterinary Science & A. H., SDAU, Sardarkrushinagar, writes to inform that he has been conferred the Fellowship of the Indian Association for the Advancement of Veterinary Research (IAAVR) for overall National and International outstanding contributions in the field of Veterinary Science & Animal Husbandry, during 17th Indian Veterinary Congress held at IVRI, Bareilly (April 8 - 9, 2017).

6-B.2: Dr. P.K. Kapoor is LUVAS' New Director of Research

Dr. PK Kapoor, Former Professor cum Coordinator Research (P & M) cum-incharge, Disease Free Small Animal House and Professor and Head, Department of Veterinary Public Health & Epidemiology, took over as Director of Research, Lala Lajpat Rai University of Veterinary and Animal Science, Hasar, Haryana, on 1st June 2017. Earlier, on April 1, 2017, he had taken over as Comptroller of LUVAS. Dr. Kapoor is an eminent Fellow of the Academy. We



congratulate him and hope that LUVAS would make a lot of progress in research under his able leadership.

His contact: Email ID: drpk Kapoor@gmail.com

6-B.3: Dr. A.K. Shrivastava Felicitated

Dr. Anil Kumar Shrivastava, former Director-cum-Vice-Chancellor, NDRI, Karnal, who recently Joined as Member (Animal Sciences), Agricultural Scientists' Recruitment Board, ICAR, was recently felicitated by the Indian Dairy Association at IDA Headquarters in New Delhi. Dr. Shrivastava is the Chairman of IDA's North Zone.

6-B.4: Dr Rameshwar Singh becomes the 1st Vice-Chancellor of Veterinary University of Bihar

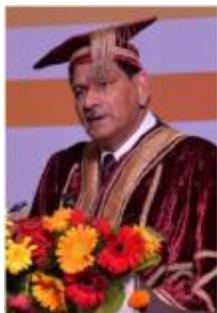
Dr. Rameshwar Singh, Project Director, Directorate of Knowledge Management in Agriculture, ICAR, has been appointed as the first Vice-chancellor of the Veterinary University of Bihar.

6-B.5: Prof. Dr. A.K. Gahlot, Vice-Chancellor RAJUVAS Retires



In a personal message to the Editor NAVS (India) (and to others), Prof. Dr. A.K. Gahlot, Vice-Chancellor Rajasthan University of Veterinary & Animal Sciences (RAJUVAS) has informed that he shall retire from his position on 28th June 2017. In his emotional message, he has emphasized on the memorable co-operation he received from all of us and his RAJUVAS team. "This will always remain an unforgettable part of my memory", he stated.

Dr. Gahlot's untiring enthusiasm to develop the university to its present level of excellence is very well known to the entire veterinary academic community. The NAVS editor has always regarded him as an eminent shining star of the profession, apart from being the architect of the progress of my alma mater (having graduated with the first batch of the Bikaner Veterinary College 1954-1958 and later serving it as an instructor from 1958-1963). He has put the University on a very strong footing and the coming generations at RAJUVAS have a moral responsibility to continue his legacy. The NAVS fraternity wishes him the best of luck in a future endeavors, as a man overflowing with energy and far sight, like Dr. Gahlot, can not sit idle for long and is bound to undertake other professional responsibilities.



6-B.6: Dr. Khanna delivers Convocation Address at GLBIMR

The GL Bajaj Institute of Management and Research organized their 8th Convocation to confer diplomas on the passing out graduates in the Post graduate Diploma in Management

batches of 2015-17 and 2014-16 on June 3, 2017 at the Institute Campus in Greater NOIDA. Dr. R.S. Khanna, Chairman Kwality Limited and Vice-Chairman, North Zone of Indian Dairy Association, was the Chief Guest. In his convocation address, Dr. Khanna emphasized that development and growth of the rural sector was important for ensuring food security, nutritional security, income and livelihood of a large number of farming families. He said that the Government was working on a composite poverty index to monitor and to enable 10 million rural households to be pulled out of poverty by doubling individual farmer's income. He also exhorted the management of the GL Bajaj Institute of Management & Research to consider introducing a diploma in rural management & development.

7. VIEW POINT

7.1: Implementation of the Decision to Establish Indian Council of Veterinary Research for Dovetailing Research & Development with the Department of Animal Husbandry & Dairying.

Rama Kumar V

Though this paper was submitted way back in 1990's, it is still valid.

{Science had developed and diversified so much, today, that specialist of one science can not conceive the perspectives and priorities of the other}

1. On January 31, 1991 Government of India notified the establishment of a separate Department of Animal Husbandry & Dairying, (Gazette of India Extraordinary Part-2 Section (iii) Sub-Section (ii) No. 47) recognising the vital role Animal Husbandry can play in development of the country.
2. When the cabinet decision for separation of Department of Animal Husbandry & Dairying was taken, it was also decided that steps be taken to dovetail the relevant research aspects with this Department.
3. Standing Committee on Agriculture of 11th Lok Sabha Chaired by Sh. Santosh Kumar Gangvar who is at present a Minister in the Cabinet, in its 11th Report had recommended the formation of Indian Council of Veterinary Research. "The Committee find that various important Research & Educational projects in Veterinary & Animal Science sector are within the purview of Dept. of Agriculture Research & Education and the committee feels that these institutions should be brought under the purview of Deptt. of Animal Husbandry & Dairying so that fruitful results could be achieved in the field of research, education and extension in a well co-ordinated manner. The Committee, therefore, recommends that the Government should seriously look into the setting up the Indian Council of Veterinary Research and Education to dovetail research and development (R&D) with the service department.
4. Action was initiated only when more than 100 Members of Parliament had submitted a memorandum to the then Minister in this regard. An argument of

integrated development was put forth by ICAR who was reluctant to part with power; but the matter was found to be scientifically untenable. A number of professional societies also proved to the government that expert required for research, service or education in Veterinary Science viz-a-viz Agriculture are different and are not interchangeable and that agriculture farmers and livestock owners are getting appropriate service separately from the respective experts and not otherwise. There is no integrated agriculture service or Veterinary service in states, centre or in any part of the world. In fact in India the Veterinary service has to be rendered by veterinarians and veterinarians alone as per Indian Veterinary Council Act, 1984 (52 of 1984). The admission requirement for Veterinary college and agriculture are to totally different and are not inter changeable.

5. The All India Conference of State Ministers for Animal Husbandry & Dairying held on 16th December, 1996 made some major recommendations. The conference broadly endorsed a National Livestock Policy. Hon'ble Prime Minister announced a doubling of the existing financial allocation for this vital, sector for socio-economic development of the poor in the rural areas.

The establishment of a separate Indian Council of Veterinary Research, parallel to ICAR, to support research & extension activities was strongly recommended by the delegates.

6. The then Minister of State for Animal Husbandry & Dairying (Independent Charge), Government of India Dr. Raghuvansh Prasad Singh Ji had ordered that action be initiated for registration of the society called Indian Council of Veterinary Research.

7. The then Secretary Animal Husbandry Mr. Yogesh Chandra directed that Dr. C.M. Singh, President, Veterinary Council of India be requested to prepare a Note for the establishment of Indian Council of Veterinary Research and action be taken to give effect to the orders of the Minister for the establishment of ICVR. Dr. Singh vide his letter dated 7th November, 1996 had submitted a detailed note for the purpose as requested.

8. Standing Committee on Agriculture 12th Lok Sabha Chaired by Sri Kinjarapu Yerrannaidu in 9th Report at Recommendation No. 5 also recommended the establishment of Indian Council of Veterinary Research.

9. The Standing Committee was told that the matter had been cleared by Planning Commission.

10. On 16 January, 1998 some leading Senior Parliamentarians including an ex Prime Minister had submitted an appeal to Prime Minister Shri Atal Behari Vajpayee for the establishment of Indian Council of Veterinary Research.

11. The recommendations of creation of Indian Council of Veterinary Research presented by the Working Group on 28th August, 2001 is pending with the Planning Commission for consideration which deserve action for completion of

the process of implementation without further delay on the same line as it had been done by the Ministry of Health and Family Welfare.

It may be pointed out that earlier there was one combined research Council for Indian system of Medicine and Homoeopathy named as Central Council for Research in Indian System of Medicine & Homoeopathy. The Government of India in a policy decision taken in 1979 decided to bifurcate the combined research Council into four Research Councils namely as follows vide Gazette Notification No.V.27020/29/71-Ay. Desk-II dated 27.11.1979.

The Ministry of Health & Family Welfare, Government of India has separate statutory as well as research Council's under the Department of Health & Family Welfare & Department of Indian System of Medicine & Homoeopathy. Each branch of medicine has a separate statutory Council and research Council listed as under:-

Department /Statutory Body/ Research Council:

Department of Health & Family Welfare; Medical Council of India; Indian Council of Medical Research;

Department of Indian System of Medicine & Homeopathy; Central Council of Homeopathy; Central Council for Research in Homeopathy; Department of Indian System of Medicine & Homeopathy; Central Council of Indian system of Medicine:

1. Central Council for Research in Ayurveda & Siddha;
2. Central Council for Research in Unani Medicine;
3. Central Council for Research in Yoga & Naturopathy

The funds allocated for the schemes of Veterinary and Animal Husbandry by the ICAR will be transferred to such schemes and assets and liabilities including the employees working in Indian Council of Agricultural Research shall be appropriately allocated to the new Council. The term & conditions of service of the said employees including their existing benefits as far as practicable be protected by the new Council as has been done in the case of bifurcation of the combined Council under Ministry of Health & Family Welfare vide Gazette Notification No.V.27020/29/71 Ay. Desk -II dated 27.11.1979.

((Dr. Rama Kumar V. is the former Secretary, Veterinary Council of India, besides being a prolific professional thinker and writer of repute)

7.2: Internship Allowance to Veterinary Graduates Needs Revision

Dr. J.S. Bhatia

1. The VCI has revised MSVE, Regulation 2016 that has already been introduced at a few veterinary universities/ colleges from this academic year. It

is expected that revised BVSc&AH program shall be in place throughout the country from the academic session 2017-18. Duration of degree course has been enhanced to 5.6 years by raising Internship to one year instead of 6 month in vogue.

2. The ICAR has also introduced revised curriculum across the faculties of agricultural sciences based on the 5th Deans committee recommendations. In tune to the revised programs in all faculties of agricultural sciences, the ICAR has built in commensurate support under 'Development Grant' to the universities.

3. During the six months phase of this training under RAWE or implant training, each student will get allowance @ Rs. 3000 PM across different faculties. Same provision has also been extended to veterinary graduates in form of Internship allowance.

4. It is stated that Internship program in BVSc&AH degree course cannot be equated with RAWE or Student READY program, as this skill based training in agricultural sciences is a part of their academic curricula and is offered in the currency of degree course. However, In Veterinary degree course, a student become INTERN only after completion of complete course curriculum in 4.6 years. It is mandatory for the Intern to get provisional registration with the State Veterinary Council or the VCI before undergoing Internship. The INTERN besides, learning advanced skill/ training, it is obligatory of him to render clinical and farm services, though under the guidance of a registered practitioner/ qualified faculty. The Intern thus has to be compensated for the services he is rendering, besides, undergoing training.

5. There thus a need to delink Internship in Veterinary Education from the RAWE or Student READY or implant training in agricultural sciences and the Internship allowance be enhances keeping an analogy of allowances being given in Medical and Dental degree courses. Further, the duration of the allowance be enhanced to complete duration of Internship i.e. One year with the introduction of new regulations.

6. State Governments are also required to be sensitised for the changes made in the BVSc &AH degree course and there is a need for the States as well, to make provision in the State budget to provide State share of Internship allowance for complete one year instead of 6 month.

It is thus urged that the VCI, the State Governments and the State Veterinary institutions to take this issue on priority and ensure that higher allocations be made to veterinary institutions. Further, Interns of veterinary degree course should get better allowance during the course of training. (Dr. J.S. Bhatia is Professor & Academic Coordinator, KCVAS, Amritsar, and former ADG (Education), ICAR, New Delhi)

7.3: Excellence in the Veterinary Universities

Kirti Dua

On 7th May, 2017, there was a write up in Hindustan times -Shackled universities cannot pursue excellence (Prof Pramod Kumar Director, Institute for Development & Communication) in which he discussed that the crisis in higher education in our universities has reached a new high as these institutes lacks creativity and innovation.

Moving from that write up towards higher education in veterinary profession, though we are number one milk producing country in the world and are working hard but still struggling with our numerous basic issues like vaccination failures and so on.

The veterinary fraternity in our universities is simultaneously involved in teaching, research, extension and clinics but at the time of evaluation the main emphasis is given primarily on the research projects and publications. Since funding agencies give most of the grants to the research projects only, therefore, from administrative point of view earning research projects becomes the top priority over all other professional activities. This is not an excellent model of attaining excellence in the profession.

In the Government sector we have organizations like ISRO that has really made us proud. ISRO works on 3S- Small, Smart and Strict -- Small budget, Small number of Smart Scientists and Result Orientation. These scientists are not even from IIT but the leadership has nurtured them internally in key resources.

In my opinion, on the lines of ISRO where their practices are giving results, we need to have small result oriented groups e.g. dedicated research group working with state of art research facilities, which can formulate and address important national issues in more meaningful *manner*. Similarly very competent clinicians, dedicated teachers and extension workers can always take our profession to newer heights. In this context, we also need to convince our funding bodies to give due consideration to all the professional activities.

It is my personal opinion (and nothing against anybody) and I *am* writing to NAVS - an apex body of veterinarians in the country with the hope that many of our stalwarts in the academy, if convinced, can take this argument forward to a logical conclusion. (Dr. Kirti Dua is Professor & Head, Veterinary Medicine, GADVASU, Ludhiana; email: kirtidua@yahoo.com)

8. NATIONAL & INTERNATIONAL VETERINARY NEWS

8.1: RAJUVAS Celebrates its 8th Foundation Day

The Rajasthan University of Veterinary & Animal Sciences (RAJUVAS), Bikaner was established on the 18th May 2010 and recently celebrated its 8th Foundation Day. Recently MHRD, Govt. of INDIA ranked RAJUVAS amongst the top 100 Universities of the country. Ever since the establishment of RAJUVAS, it is continuously marching ahead under the able leadership of its first Vice Chancellor Prof. (Dr.) Col. A. K. Gahlot. NAVS (India)



8.2: World Veterinary Day Celebrated

(a) World Veterinary Day (WVD) was observed globally on 29 April 2017. This event aims to highlight and promote the different facets of the work performed by veterinarians all over the world and to raise awareness on their contribution to improve animal health and welfare, as well as public health. Each year, a different topic is selected by the World Veterinary Association (WVA) and the World Organisation for Animal Health (OIE) which are at the initiative of this event. The Theme for 2017 was “Antimicrobial Resistance - From Awareness to Action”

(b) World Veterinary Day Celebrated at LUVAS
Lala Lajpat Rai University of Veterinary and Animal Sciences (LUVAS), Hisar celebrated the “World Veterinary Day” on April 29, 2017. Several activities including a free rabies vaccination and animal health camp, drawing and

declamation competitions were organized. Speaking on this occasion the Dr S.K. Gupta Dean, COVSc congratulated the faculty and students for successful organization on all these activities and hoped that in the coming years more and more participants will be involved in these activities. In the free rabies vaccination and animal health camp, large number of dogs and other animals were treated for different ailments and livestock owners were advised regarding health, management, feeding, prevention and control of diseases in their animals. On this occasion, drawing competition for school children and declamation contest for university students were also organized by Dr Pawan Kumar and Dr Tarun Kumar. Dr S.K. Gupta Dean, COVSc distributed prizes to the winners.

8.3: World Veterinary Day Award 2017

On 21st May, during the opening ceremony of the OIE General Session, based on their extensive contributions in areas of AMR, the WVA and OIE announced the winner of the 2017 World Veterinary Day Award: The National Council of the Order of Veterinarians of France. The official presentation of the Award will take place at the 33rd World Veterinary Congress in Incheon, Korea.

8.4: India Celebrates World Milk Day

World Milk Day was celebrated on 1st June 2017 across the continents with 577 events in 81 countries including India. The activities were organized by dairy farmers, cooperatives, national dairy associations, schools, nutrition groups, dairy companies, and thousands of families and citizens around the world.

World Milk Day Celebration at Indian Dairy Association HQ in New Delhi

On the occasion of World Milk Day, Indian Dairy Association (IDA) organized a get-together at IDA House, Sector IV, R.K. Puram, New Delhi, to celebrate the same. Many stalwarts shared their views on the occasion and flagged very important issues for dairy development and role of dairying in nutritional security. Hoardings, banners and posters displaying the goodness of milk were prominently displayed at IDA premises and its Zones and Chapters.

IDA President Shri Narke exhorted participants to work for the upliftment of dairy farmers and said “Let this day not become a mere 24 hours celebrations of laurels...we have great promises to fulfill.” It was ironical, he said, that though India was the largest milk producer with a per capita milk consumption of 337 gms, milk farmers themselves were devoid of the white nectar and remained in the shackles of poverty. He said, “Economic well-being leads to mental and physical wellness and therein lies the justification of our slogan, *‘Milk for all, Health for all.’*” Dr. A.K. Srivastava, Member, ASRB, New Delhi said that India has been at the top in global milk production for the past one decade. However, much more is required to be done for farmers’ welfare. On the occasion of WMD, our focus ought to be on three important things: to identify the strengths and weaknesses of our milk production; to identify the strengths and weaknesses of our processing system; and to clarify myths related to milk consumption in our society. Dr. G.S. Rajorhia, Vice

President-IDA said that not just food security but nutritional security was the need of the day and this could easily be fulfilled by quality milk production and consumption. Dr. R.S. Khanna, Chairman, Kwality Ltd. emphasized that milk should be provided to children in mid-day meals and that no child should remain deprived of milk. Mr. K.L. Dua, Head-Marketing (Milk & Allied Products), M/S Creamy Foods Limited emphasized on clean milk production



Other dairymen who spoke on the occasion were: Dr. R.N. Kohli, Honorary Editor (NAVS) India; Dr. Rameshwar Singh, former Project Director (DKMA), ICAR; Mr. Jagdish Saxena, Chief Editor-Hindi (Retd.), ICAR; Mr. Shyam Bhaskar, Member, Haryana Kisan Ayog; Dr. Rajinder Singh, Senior Extension Specialist (AS), LLRUVAS Extension Centre, Rohtak; Mr. M.P.S. Chadha, CEC Member, IDA; Dr. Kuldeep Sharma, Media Advisor, Kwality Ltd.; Mr. R.K. Chabra, Kwality Ltd.; Mr. R.K. Gupta, former Senior Manager (Quality Control), Mother Dairy; Mr. Parveen Sharma, Scientific and Digital System; Mr. K.L. Arora, Life Member, IDA; Mr. G.P. Verma, Secretary, IDA(NZ); Mr. Sharad Gupta, Editor, Dairy India; and Mr. B.B. Garg, Treasurer, IDA(NZ).

World Milk Day celebrations were also organized by many other institutions in India including The IDA Kerala Chapter (Veterinary University (College of Dairy Technology); ICAR-NDRI Bengaluru; IDA Rajasthan Chapter);

NDRI, Karnal, Karnataka Milk Federation Ltd (KMF); Sri Venkateswara with IDA(SZ) and Alumni Association ; Swaayam Ksheer Producer Company (SKPCL); The College of Dairy Technology, Sri Venkateswara Veterinary University, Tirupati, and others.

8.5: IDA (NZ) Organizes National Seminar ON “Dairying: For Doubling Farmer’s Income”

A NATIONAL SEMINAR ON “Dairying: For Doubling Farmer’s Income” was organized by IDA (NZ) at India International Centre, New Delhi on 10th June, 2017, where Dr. S S Honnappogol, Animal Husbandry Commissioner (Govt. of India) was the Chief Guest and Mr. M.J. Saxena, Managing Director, Ayurvet Ltd., was the Guest of Honour. Prof. (Dr.) A.K. Srivastava, Member (ASRB) and the Chairman of IDA(NZ) presided over the event. Some 200 delegates who participated in the seminar included a large number of farmers from various dairy cooperatives in northern states, representatives of the industry, scientists, academicians and entrepreneurs. Considering the interest and theme of the topic of the seminar, audience interaction was very intense and impressive. Mr. K.L. Arora, the IDA Fellow and Organizing Secretary of the Seminar welcomed the dignitaries.



Dr. Honnappogol delivered a talk on Indigenous Breed Improvement Programme and stressed that to achieve the Prime Minister’s objective of doubling farmer's income by 2022, it was necessary to adopt appropriate breeding policies and genetic improvement techniques. Mr. M.J. Saxena made a very lucid presentation and covered various aspects of the 5F programme — food, feed, fodder, fertilizer and fuel approach to integrate agriculture and dairy farming. Dr. A.K. Srivastava made an impressive SWOT analysis of the Indian dairy sector. He identified means to convert weaknesses into strengths to increase the income. Dr. R.S. Khanna, Chairman, Kwaliti Limited and Vice Chairman of IDA (NZ) along with Mr Rajender Singh, VP, Kwaliti made a presentation on Doubling Farmer’s Income: Soft Loans For Capital Formation. They also explained the way Kwaliti is arranging disbursement of huge loan on soft terms in collaboration with a nationalized Bank to a large number of farmers, For which would reduce the interest burden sizably and improve profitability. Dr. G.S. Rajorhia, Vice President of IDA, delivered a talk on

Application of Innovated Dairy Technologies Doubling Farmer's Income. Amongst the other prominent Speakers were: Dr. Anup Kalra, Executive Director, Ayurvet Ltd.; Miss Smriti from NDDDB; Mr. Raveen Chaudhary, GM-North, GCMMF; Mr. Himanshu Saxena, SDS; Mr. Ramlal Jat, Chairman, Bhilwara Union; Mr. Ram Chander Chaudhary, Chairman, Ajmer Union; Mr. S. Jaswinder Singh Dhillon, President, PDFA.

During the Seminar IDA (NZ) also presented awards to the winners of the Best Maintained Dairy Plants. The best dairy plant in the government/cooperatives category was awarded to Delhi Mother Dairy and in the private sector category to the Danone Dairy. Dr. Srivastava chaired the Annual General Body meeting of the IDA North Zone.

8.6: Recent activities at LUVAS

8.6.1: LUVAS Bagged Award for Indigenous Cattle

On June 1, 2017 on the occasion of World Milk Day, Union Agriculture Minister Mr Radha Mohan Singh gave away Gopal Ratna and Kamdhenu Awards to different individuals and institutes from all over the country for their significant contributions in improvement for indigenous cattle in a programme organized at New Delhi. Department of Animal Genetics and Breeding, LUVAS



bagged second prize in Kamdhenu Award category for improvement of Haryana and Sahiwal breeds of cattle in the university. Dr Abhay Singh Yadav and Dr S.S. Dhaka of LUVAS received award from the chief guest. In his address the chief guest stressing on improvement of indigenous breed of cattle in the country, briefed about objectives of Rashtriya Gokul Mission, a project of Centre Government on this aspect. He hoped that

scientists will work more vigorously keeping in view the potentials to improve indigenous cattle breeds like Sahiwal, Haryana, Gir, Deoni, Tharparkar, Red Sindhi. He congratulated the Scientists of LUVAS for this achievement. Dr. Gurdial Singh Vice-Chancellor, LUVAS congratulated the LUVAS faculty on achieving this mile stone and hoped that this will inspire young scientists in the institute and boost research prospects. Dr. P.K. Kapoor, Director of Research while congratulating the scientists expressed that good performing animal of indigenous breeds will be made available to the livestock owners in the region in future to improve their income from livestock.

8.6.2: Establishment of Regional Referral Veterinary Diagnostic and Extension Centre (RVDEC) at Vill. Keorak.

LUVAS will establish its third Regional Referral Veterinary Diagnostic and Extension Centre (RVDEC) at Vill. Keorak, Kaithal. The announcement to establish this centre was recently made by Hon'ble Chief Minister Sh. Manohar Lal. To establish this centre 10 acres of land has already been given by the Keorak village panchayat and other approvals are in active consideration of the Government of Haryana. The RVDEC will have facilities for X-rays,

ultrasonography, surgical operations, clinical diagnosis, artificial insemination, investigation of diseases, analysis of feed/ feed ingredients.

8.6.3: Memorandum of Understanding (MoU) Signed Between LUVAS and Minnesota University, USA

A memorandum of understanding (MoU) was signed between LUVAS and Minnesota University of USA on May 27, 2017. The copy of MoU received from Minnesota University was signed and confirmed by Dr. Ravindra Sharma, Director of Research, LUVAS in the presence of Dr. Gurdial Singh VC, and Officers of LUVAS. On this occasion, Dr. Gurdial Singh said that with signing of this MoU there will be easy exchange of technical information and scientists between the institutes and in addition joint research projects in the field of animal health and production will be initiated in future to boost the research in LUVAS. He further said that such international collaborations are essential in present era of globalization.

8.6.4: Workshop on “Capacity building of Intellectual Property Rights (IPR)”

Directorate of Human Resource Development, LUVAS in collaboration with Haryana State Council of Science and Technology, DST, Govt of Haryana organized a one day workshop on “Capacity building of Intellectual Property Rights” on May18, 2017.



Dr. M.B. Chetti inaugurating workshop and facilitating a LUVAS scientist

In his inaugural address to about 100 young scientists and postgraduate student participants, Dr. M.B. Chetti, Assistant Director General (HRD), ICAR, emphasized on the present day importance of globalization issue of IPR and appealed to young scientists to undertake high quality research so as to get as many patents as possible. Other experts who delivered lectures in this workshop included Dr. S. Maurya , Dr. R. P. Yadav, Dr. Rahul Taneja , Dr. Bijay Sahu and Dr. Renu Gupta. On this occasion scientists of LUVAS who were facilitated for their patents were Dr. R. D. Sharma (Theileria vaccine) Dr. Meenakshi Prasad (Meat differentiation) Dr. Gulshan Narang (Detection of urea in milk) and Dr. R.S. Khokhar (HS disease).

8.7: American Association of Veterinarians of Indian Origin (AAVIO)



According to a Press release, American Association of veterinarians of Indian Origin (AAVIO) had its annual General Body meeting on Sunday, May 21st, 2017 at Blue Bell Country Club, Blue Bell, Pennsylvania - a suburb of Metropolitan Philadelphia, Pa. The attending veterinarians ranged from 25 to 82 years of age. They are all very successful practicing veterinarians who have earned an excellent professional reputation and made a good name in their respective local communities. Their success makes India proud.

The meeting took place on a gorgeous spring sunny day and presentation of a seminar by Dr. Avi Deshmukh, Ph.D., Technical Advisor of Royal Canin, on 'Nutritional management of Gastro Intestinal diseases' was one of its highlights. Dr. Raj Khare, Senior Advisor Welcome the audience and Dr. Ravi Murarka President, presented the future plan for the development of the organization.



A new Executive Board of AAVIO 2017 was also constituted at this occasion. Following were nominated for Executive Board of AAVIO 2017 (photograph):

From Left: Dr. Jyothi Surendran (Director), Dr. Balasunder Dodda (Director), Dr. Raj Khare (Chairman Membership Committee), Dr. Ravi Murarka (President), Dr. C.K. Bhatia (Vice President),

Dr. Shailesh Patel (Asst. Secretary), Dr. Àngi Bandekar (Director). Dr. N. Khianey (not in the picture) and Dr. Dipen Shah (not in the picture), were nominated as Treasurer and Secretary, respectively.



8.8: College of Veterinarians of B.C. apologizes to Indo-Canadian colleagues
The regulatory agency for veterinarians in B.C. has dropped a legal challenge to a finding that an investigation of Indo-Canadian vets associated with discount clinics was racially motivated and has issued an apology to all of the complainants involved in the rancorous dispute.

The College of Veterinarians of B.C. announced that it would not pursue a judicial review of an October 2015 decision of the B.C. Human Rights Tribunal that found that the then-B.C. Veterinary Medical Association had engaged in discrimination against 13 Indo-Canadian vets, including Dr. Hakam Bhullar of Vancouver. The college, which represents about 1,200 members, said that in “the spirit of moving forward and acknowledging the findings of discrimination,” it wished to apologize to all of the complainants for the “loss of dignity, pain and suffering” it had caused. In particular, it cited Dr. Bhullar and his family, who had suffered professional and personal distress since Bhullar’s licence to practice was removed in December 2009. Bhullar has since been reinstated. “The college acknowledges its past mistakes in the standards, inspection and discipline arenas,” says a statement on the college’s website. “The college is now working to improve its processes and foster positive, constructive and forward-looking relationships with the complainants and all registrants.” Dr. Bhullar, who estimates the vets spent \$1.7 million fighting the case, said he’d suffered “a lot” over the years but was happy that justice had finally been served. (kfraser@postmedia.com; twitter.com/keithrfraser)

8.9: World Organisation for Animal Health’s (OIE) 2016 Annual Report Released

Paris, 22 May 2017 – The Annual Report of the World Organisation for Animal Health’s (OIE) for 2016 presented today by Dr Monique Eloit, Director General of the OIE, reviews the events which marked 2016, in response to three key priorities set for the next five years: to control animal health risks, to ensure transparent communication and to strengthen the capacities of Veterinary Services. 2016 will be remembered as a milestone year for the OIE, the beginning of a new phase in the life of the Organisation as it evolves in both its operations and representative bodies. This report takes stock of the progress made under the framework of the 6th Strategic Plan (2016–2020), through practical examples that illustrate the work of OIE teams throughout the world. <http://www.oie.int/en/for-the-media/press-releases/detail/article/discover-the-world-organisation-for-animal-healths-oie-2016-annual-report/>

8.10: World Veterinary Association Launches Animal Health Matters

The WVA launched the joint project with Health for Animals: Animal Health Matters on 24th May, 2017. Animal Health Matters is a new online resource aims to educate and build greater awareness of the most pressing issues in animal and human health, including zoonotic disease, antimicrobial resistance, global food security and the future role and health of companion animals. Factors such as the impact of global conflicts, trade, how healthier animals mean healthier families and the ongoing focus on zoonotic disease are all debated within the new, attractive and interactive online resource:

<http://www.healthforanimals.org/animalhealthmatters/>

8.11: NMPF calls for FDA labeling crackdown of 'dairy imitators,' while Califia Farms trusts 'common-sense wisdom' of consumers

America's dairy organizations are demanding that "dairy imitators" must start complying with federal regulations that require dairy products labeled as 'milk' to contain dairy milk. For details read:

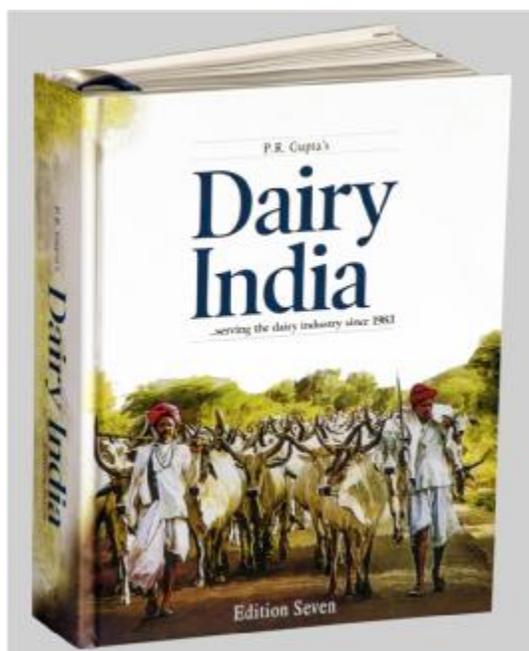
<http://www.dairyreporter.com/Markets/NMPF-US-must-enforce-FDA-food-labeling-standards-for-dairy-imitators>

8.12: Animal husbandry is a blank cheque which farmers can encash:

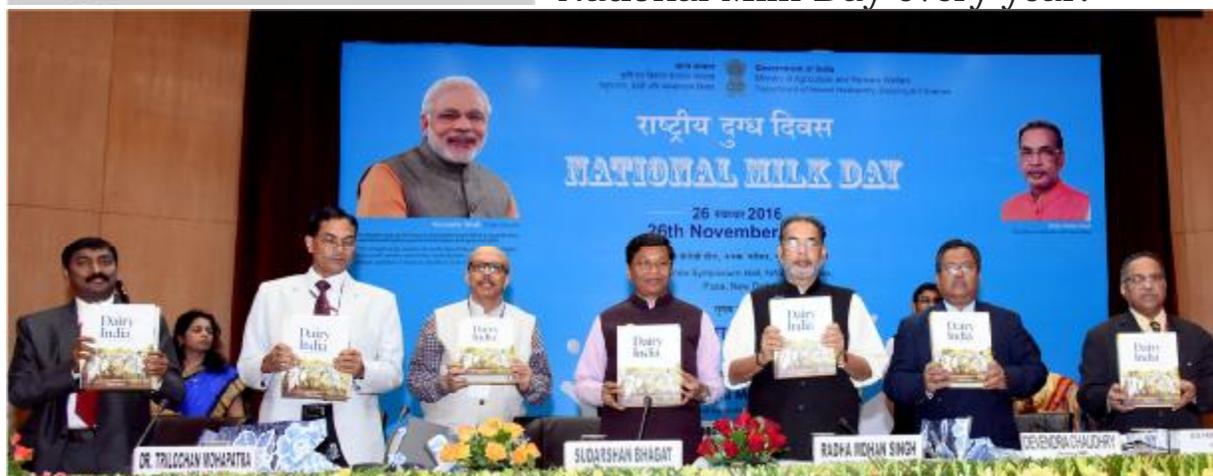
Shri Sudarshan Bhagat, Union Minister of State for Agriculture and Farmers Welfare visited ICAR- National Research Centre on Yak, Dirang, on 15th May, 2017 and interacted with the scientists by visiting different laboratories of the institute. He appreciated the efforts of the institute by working in the frontier areas of yak husbandry. In his address, Shri Bhagat elaborated different agricultural schemes and projects available for the farmers in the tribal region. He said Govt. of India is working hard to achieve Prime Minister's call of doubling farmer's income and emphasized that this could be achieved through Integrated Farming System. He underlined that animal husbandry is a blank cheque, which farmers can encash as per their need. He also accentuated that there should be direct interaction between the farmers and scientists and other experts in agriculture and allied sectors, so that technology developed by the research centres, KVKs and other institute can directly benefit the farming community. The minister also attended an interactive session with the scientists and staffs of ICAR-NRC on Yak, Officials of State departments, public leaders and farmers of the West Kameng district.

Dr. S.M. Deb, Director of ICAR-NRC on Yak briefed about the various research activities of the institute. (Source: Dr. Inderjeet Singh's post on Face Book)

8.13: DAIRY INDIA: 7th Ed. 2016 - A Bible of Dairy Science and Dairy Industry



The 7th Edition of this renowned book was released by the Hon'ble Union Minister for Agriculture & Farmers Welfare, Shri Radha Mohan Singh, on November 26th 2016 in New Delhi in the presence of large number of dairy professionals from the government, cooperative and private sectors. November 26 is the birthday of that eminent 'Milkman' - Late Dr. Kurian- and is celebrated as India's National Milk Day every year.



Present on the dais (L-R) were the Joint Secretary (Cattle & Dairy Dev), Department of Animal Husbandry, Dairying & Fisheries, Dr E. Ramesh Kumar, Director-General, Indian Council of Agricultural Research, Dr Trilochan Mohapatra, the Editor & Publisher, *Dairy India* (Edition Seven), Sharad Gupta, the Minister of State for Agriculture & Farmers Welfare, Shri Sudarshan Bhagat, the Union Minister for Agriculture & Farmers Welfare, Shri Radha Mohan Singh, the Secretary, Department of Animal Husbandry, Dairying & Fisheries, Shri Devendra Chaudhry, and the Animal Husbandry Commissioner, Department of Animal Husbandry, Dairying & Fisheries, Dr Suresh S. Honnappagol.

Apart from them, Representatives of several State Departments of Animal Husbandry, Veterinary Services and Dairy Development, Cooperative Dairy Federations & Unions across the country as well as professionals from the private dairy sector were also present.

On the occasion, the Union Agriculture & Farmers Welfare Minister, Shri Radha Mohan Singh said that India's milk production has recorded a growth rate of 6.28% during last two years 2014-15 and 2015-16, which is much higher than the growth rate of around 4% in the previous years. The per capita availability of milk increased from 307 grams per day in 2013-14 to 340 grams per day in 2015-16, a growth of 5% which was below 3% before 2014-15. Shri Singh mentioned that to increase productivity of indigenous cattle population the allocation for development and conservation of indigenous breeds has been increased by many fold from Rs 45 crores in 2013 to Rs 582 crores. "Rashtriya Gokul Mission", a new initiative under National Programme for Bovine Breeding & Dairy Development has been launched for the first time in the country, with a view to conserve and develop indigenous bovine breeds. The mission also envisages establishment of integrated cattle development centres 'Gokul Grams' to develop indigenous breeds including up to 40% non-descript breeds. Two "National Kamdhenu Breeding Centres" are being set-up as Centre of Excellence to develop and conserve indigenous breeds in a holistic and scientific manner. Besides being a repository of indigenous germplasm, these centres will also be a source of certified genetics in the country. Shri Singh said that indigenous breeds besides being heat tolerant and resistant to diseases, are known to produce A2 type milk. There is a need to market A2 milk separately in the country. An amount of Rs 2 crore each has been sanctioned to Odisha and Karnataka for marketing of A2 Milk of our indigenous breeds. Agriculture Minister mentioned that the milk federations of the country to market A2 milk separately for benefits of consumers and poor farmers rearing indigenous cattle. Shri Singh also said that to meet ever growing demand of milk and to make milk production more remunerative to the farmers Government has initiated new scheme National Mission on Bovine Productivity with an allocation of Rs 825 crores.

A Brief Review of P.R. Gupta's Dairy India (7th Edition 2016) Edited & Published by Mr. Sharad Gupta, (M/S Dairy Year Book, A-25 Priyadarshini Vihar, New Delhi 110092; Phone: (011) 22543326; Mobile: +91-98105-79320; Email: dairyindia@gmail.com); Hard bound, 936 pages, Price: Rs. 12,000/-

The present edition of *Dairy India* is the seventh, starting with the first one launched in 1983. Founded and conceived by the late P.R. Gupta, a developmental journalist and passionate chronicler of the industry, *Dairy India* has evolved into one of the world's most prestigious publications on dairying. Following his demise in 2006, it is edited and published by his son, Sharad Gupta.

The 950-page *Dairy India (Edition Seven)* is a treasure trove of information. It offers the most comprehensive and up-to-date picture about the world's number one dairying nation. An invaluable Databank-cum-Management Guide-cum-Directory, it contains over 100 in-depth articles, 300 statistical

tables and charts and reference details of 7,000 organizations and specialists in the dairy sector.

Over 200 specialists in the government, cooperative and private sectors have shared their expertise on a range of dairy issues of interest to planners and practitioners in the field. The articles published cover a range of topics including trends in consumption and market size of milk and milk products, dairy farm management, breeding, feeding and nutrition, health care, clean milk production, dairy plant management and technology, food safety and quality standards as well as techno-economic feasibility of small and large scale dairy plants and farms, cattle feed units, and manufacture of cheese, ice-cream, etc. Also included is a special sub-section on "Operation Flood: An Epic Journey" with exclusive accounts of the planning and execution of Operation Flood as well as trace the journey of Dr V. Kurien and his associates. In response to unprecedented developments in Asian countries, the 'Dairy Asia' section has been revised and expanded.

Dairy India (Edition Seven) cautions that India's pride in being the highest milk producer in the world may take a hit if it doesn't pay attention to quality and innovation. Its products have to compete not only globally but with imported products in the domestic market as well. There is a new kid on the block- China- that is growing even faster without being noticed and might soon threaten India's dominance in quantity as well as quality. It is feared that China may soon outstrip India in milk production & quality. Better technology is required to improve competitiveness at all levels of the dairy value chain. This is hampered by the absence of proper databases with authentic information on the sector. This is a gap that *Dairy India (Edition Seven)* seeks to fill. *Dairy India (Edition Seven)* is Replete with New Facts and Figures

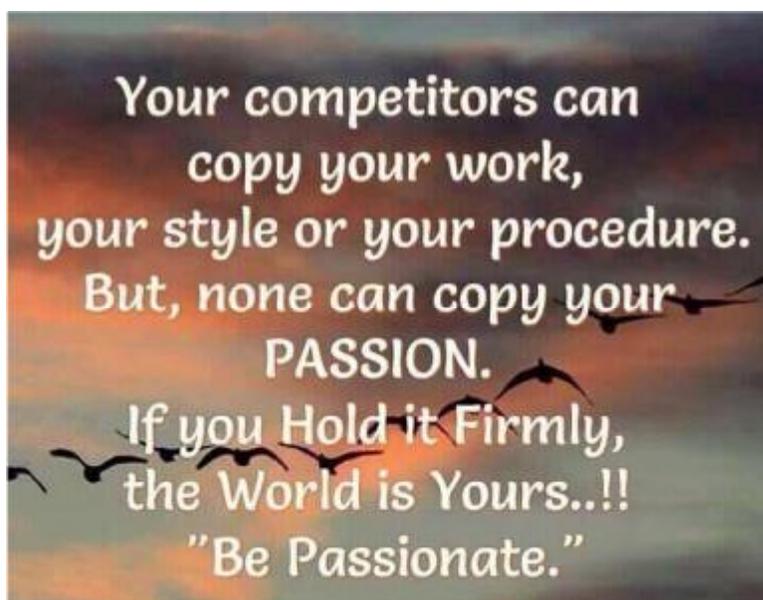
There is a great potential for the industry as growth in world population combined with growth in global income levels implies that demand for food will increase by more than 200 per cent by 2050. *Dairy India* predicts that private corporate dairies will overtake cooperatives and handle larger milk volumes than the latter within the next five years. In 2015, cooperatives and organised private dairies procured an estimated 15.55 million tonnes (mt) each of milk. By 2020, procurement by private dairies is projected to reach 28.93 mt, ahead of the 23.67 mt of cooperatives.

Dairy India has pegged the Indian market for milk and dairy products — in terms of the value paid by consumers — at Rs 5,26,403 crore or \$81 billion in 2015, which will grow to Rs 10,05,264 crore or \$134 billion by 2020, assuming an exchange rate of Rs 75 to a dollar. The organised sector's share of this market is seen to rise from about 29 per cent to 37 per cent over this period. Significantly, the biggest component of India's dairy market is liquid milk; it's roughly 58 per cent share in the total value is unlikely to register major change between now and 2020. At the same time, *Dairy India* has forecast the share of organised dairies in liquid milk marketing to go up from 23.3 per cent to 31 per cent. In other words, consumers will increasingly purchase branded liquid milk

sold in pouches, as opposed to buying in loose from the neighbourhood 'dudhia'.

After liquid milk, the largest segment of the country's dairy market is desiccated/coagulated products (khoa, chhana and paneer) used as base material for a variety of indigenous sweets and preparations, followed by ghee. While much of these are produced by households or halwais (sweetmeat makers) themselves, there is lot of scope for industrial-scale manufacture, particularly of khoa. One example of how inward-looking, yet out-of-box, innovation can help is dahi (curd or yogurt). This was a non-existent product category in the portfolio of major dairies even two decades ago, as curd and butter milk were almost entirely being made from milk at home. But in 2015, the total market for dahi — which also includes lassi/chhach (butter milk) — was Rs 12,420 crore, out of which organised dairies contributed Rs 6,720 crore. For 2020, *Dairy India* has projected the dahi market's size at Rs 32,600 crore, with the organised sector's share being Rs 19,600 crore or 60 per cent! This is way bigger than table butter or cheese. For all the hype, the market in India for the latter is a mere Rs 1,350 crore and seen at Rs 3,600 crore by this decade-end.

This highly anticipated edition of the book was published after a gap of several years, and has been rightly described as an encyclopedia on Indian dairying. In fact, it is a Bible of Dairy Science and Dairy Industry.



9. SCIENCE, HEALTH & SOCIETY

9.1: A lamb born without front legs changes sheep farmer's view forever

Amy and her husband are sheep farmers, with about 70 sheep in their flock and 60 more to be born this spring. Soon the lambs will be sold at market. Recently when a lamb was born without his front legs, Amy's view of these animals changed. The lamb, who she named Duck, instantly reminded her of her son and she soon took action to save his life. At the age of three, Amy's son was diagnosed with mercury poisoning, which caused permanent brain damage. "I've fought for my son his whole life— against the medical industry that poisoned him, against the prejudice he has faced— and side-by-side with him, through all the treatments and medical testing, to help him overcome his challenges and thrive the best he can," Amy said



Not knowing how to help the lamb, Amy called Brother Wolf Animal Rescue, a no-kill organization located in Asheville, North Carolina, which has a mission of "Uncompromised Compassion," valuing the lives of *all* animals. Usually, Brother Wolf would say no because they don't want to enable any business that profits from the exploitation of animals, but they couldn't refuse this sweet little lamb.

"When you have someone in your life my son, who's had to endure so much, and never give up; it's what always gives me hope. And when you see the same in an animal, like Duck here, you just wanna do the same for them," Amy said. "That morning, when I first saw Duck, just born, laying there with no front legs, my mama instincts took over. I totally fell in love with him and realized that even though he didn't have legs, he deserved every second of life and all the love we could give him. He's got so much love to give!" Amy noted of Duck.

After meeting with Amy and seeing Duck, Brother Wolf decided to take him into their care. Duck will be in a foster home until he is weaned and then he will go to Brother Wolf's Animal Sanctuary, a space dedicated to the rescue and rehabilitation of animals. Brother Wolf will also ensure Duck has a cart in place of his front legs and, in no time, he will be mobile and able to play. (<http://www.onegreenplanet.org/news/sheep-farmer-saved-lamb-with-two-legs>)

9.2: Bulgarian Professor of New York University Gets One of India's Most Prestigious Awards

Prof. Gabriela Nikolaeva, a Bulgarian who teaches at New York University, has been awarded one of India's most prestigious state awards. She is awarded the Hindi Sevi Shaman Award for her contribution to the training and promotion of Hindi language. The award was personally handed by the President of India, Pranab Mukherjee, at an official ceremony at the presidential palace Rashtrapati Bhavan in downtown Delhi. The annual Hindi and Indian culture awards are in 12 categories. 22 researchers and writers from India and only two foreign professors Fuji Takeshi from Japan and Gabriela Nikolaeva Ilieva from Bulgaria were awarded.



Gabriela graduated from the Classic High School in Sofia and then studied Indology at Sofia University. For 20 years, she has taught Hindi, Urdu, and Indian literature at New York.

“I accept this award as an additional impetus in my work on the globalization of Hindi pedagogy and the development of world standards for teaching Hindi

outside India," Gabriela told BNT. Hindi is spoken by more than 700 million people in the world. In the Bulgarian and Hindi languages, there are nearly 700 words with the same root from Sanskrit," she said.

<file:///C:/Documents%20and%20Settings/Viper/My%20Documents/Downloads/2.%20A%20Bulgarian%20Received%20One%20of%20India's%20Most%20Prestigious%20Awards.html>

9.3: Strange Daily Habit Improves High Blood Pressure and Overall Cardiovascular Health

When faced with cardiovascular diseases such as high blood pressure and high cholesterol level, most good doctors and natural health experts recommend several lifestyle changes before jumping on medications.

These lifestyle changes most often include improved diet, exercising and reducing stress. You may also receive recommendations on good herbs that improve cardiovascular health.

New research from Villanova University, however, uses none of the above methods. Instead it proves that ONE daily habit we should be doing anyway drastically lowers blood pressure and improves cholesterol level. Between the years 2000 and 2010, researchers studied over 500,000 people with periodontal disease as well as over 200,000 subjects as a control group and found that those who had regular dentist visits/teeth cleanings and no periodontal disease as well as those with treated periodontal disease, had a significantly reduced risk of stroke, versus those with untreated periodontal disease. In another study, people who brush their teeth and floss regularly, have been shown to have a reduced risk for heart disease, which can cause stroke or heart attack.

9.4: Did You Know: The 20 Clever Inventions Made By Indians

Indian inventions and discoveries have been instrumental in shaping the face of the current modern world. We picked up 20 such interesting findings out of a whole bunch that will make you go, "I didn't know that".

1. Buttons

Buttons were first used in Mohenjo-daro for ornamental purpose rather than for fastening. They were first used in the Indus Valley Civilization by 2000 BCE.

2. Chess

Chess developed out of Chaturanga, which is an ancient strategy board game developed during the Gupta Empire in India around the 6th century AD. Now you know why Vishwanathan Anand is such a pro, *rag rag me is tarah...*

3. Prefabricated home and movable structure

In 16th century Mughal India, during the reign of Akbar, the first prefabricated & movable structures were invented.

4. Ruler

Rulers were first used by the Indus Valley Civilization prior to 1500 BCE. Made of ivory, the rulers found during excavation, reveal the amazing accuracy of decimal subdivisions on it.

5. Shampoo

The word 'Shampoo' is derived from *chāmpo* (□ □ □). It was initially used as a head massage oil for the Nawabs of Bengal during the Mughal Empire around 1762. It evolved into shampoo over the years.

6. Snakes and Ladders

The game, Snakes & Ladders, was invented in India as a game of morals. Later it spread to England and eventually introduced in the USA by game pioneer Milton Bradley in 1943.

7. Cotton cultivation (We clothed the world, yay!)

The ancient Greeks used to wear animal skins and were not even aware of cotton. But Indians were sort of cool and started cultivating cotton during the 5th - 4th millennium BCE in the Indus Valley Civilization. The word spread to the Mediterranean and beyond and soon everyone was ordering one from Flipkart. Well, pretty much.

8. Fibonacci Numbers

The Fibonacci numbers were first described by Virahanka, Gopala and Hemachandra as an outgrowth of earlier writings by Pingala.

9. Decimal System, Quadratic formula and Zero!

It was in 7th century CE when Brahmagupta found the first general formula for solving quadratic equations. The decimal system (or the Hindu number system), which was a precursor of the Arabic numeric system, was developed in India between the 1st and 6th centuries CE.

10. Suits Game

The popular game of cards originated from India & was known as Krida-patram (which literally means "*painted rags for playing*").

11. Cataract Surgery

Indian physician Sushruta (6th century BCE) had the knowledge of performing cataract surgery. It spread to China from India. Greek scientists would visit India to get operations done and also to learn the nitty-gritties.

12. Diamond Mining

Worldwide, India was the only source of diamonds until the discovery of mines in Brazil in the 18th century. Almost 5000 years ago, diamonds were first recognized and mined in central India.

13. Water on Moon

ISRO's Chandrayaan-1 made the startling discovery that our moon is not a dry ball of rocks. The discovery of lunar water is attributed to the Chandrayaan mission.

14. Radio/Wireless communication

We all know that Marconi received a Nobel Prize in Physics in 1909 for contribution to the development of wireless telegraphy. But the first public demonstration of radio waves for communication was made by Sir Jagdish

Chandra Bose in 1895, two years prior to Marconi's similar demonstration in England.

Sir Bose was posthumously credited (more than a century later) for his achievement. The fact remains that this discovery truly shaped the face of modern wireless communication.

15. Flush Toilets

Flush toilets were first used in the Indus Valley Civilization. These existed in most homes and were connected to a sophisticated sewage mechanism. The civilization was prominent in hydraulic engineering.

16. Binary Code

Binary numbers were first described by Pingala (c. 200 BC). Pingala is the traditional name of the author of the Chandaḥśāstra, the earliest known Sanskrit treatise on prosody.

17. Ink

Many ancient cultures and civilizations independently discovered and prepared ink for writing purposes. The source of carbon pigment used in Indian Ink (called musī) used in ancient India, was India. Since 4th century BC, the practice of writing with ink with a sharp pointed needle was common in South India.

18. Steel & Metal works

Ancient Indians were pioneers in metallurgy. High quality steel was produced, almost two thousand years before it was understood by the West. One of the most remarkable feat in metallurgy: creating a seamless celestial globe, was invented in Kashmir. It was earlier considered impossible to create a metal globe without seams.

So thanks to India, Iron Man can wear his suit now.

19. Fiber Optics

Named as one of the 7 'Unsung Heroes' by Fortune Magazine, Dr. Narinder Singh Kapany, is widely recognized as the 'Father of Fiber Optics' for his pioneering work in Fiber Optics technology. Watch him speak eloquently on his entrepreneurial journey.

20. Plastic Surgery

Yes, you heard it right. Indians were pioneers in Plastic Surgery too. It was carried out in India as early as 2000 BCE.

So, we've always been a cool country. History is testimony to it. So what's stopping you from being innovative? Go, win the world.

(<http://postcard.news/20-clever-inventions-made-indians-indians-not-know/>)

9.5: Mystery disease Affects 50 persons, Kills 15 Cattle in Zimbabwe

Zimbabwe Daily Correspondent has reported that close to 50 people from Change, Dinde and Nekabandama in Hwange District, Matabeleland North have since the beginning of the month been hospitalised at Lukosi Hospital and surrounding health institutions complaining of severe pain which causes

paralysis of the backbone, lower and upper body rendering patients immobile. However, although no deaths have been reported in the area, health officials said they are failing to detect what the disease was or its causes after all patients tested negative for malaria which they were initially suspecting. Apart from the mystery of the disease, local people are now suspecting that there could be some poisonous plant or water source, as during the same time at least 15 cattle died under mysterious circumstances. Matabeleland North provincial medical director Dr Nyasha Masuka confirmed the outbreak and said “Most patients were admitted for three to four days and were given antibiotics and paracetamol. Investigations for malaria turned out negative”. While investigations are still in progress, Hwange District medical officer Dr Wisdom Kurauone, however, said they have managed to contain the unknown disease by using antibiotics. Nekabandama councillor Alois Chibuswa said his area was the most affected and villagers in his ward were living in fear as the causes and type of disease was still unknown. He said “what was now complicating the matter was that some villagers have also lost their livestock which “just fall down and die”. “We don’t understand what is causing it but suspicions are building on a possible relation of the outbreak of the disease to the recent sudden deaths of cattle in the ward. One example is of a village head, Samson Shoko who lost eight of his cattle to an unknown disease which could be anthrax.” Nonetheless, Hwange District Veterinary Department officer Dr Lovemore Dube said his office has not yet received any reports of cattle dying from the ward but was quick to point out that cattle were prone to attacks of different diseases as a result of lots of rain which the country received in the summer season.

9.6: The 13 Most Common Conditions in Seniors

Now I’m getting on a bit in years, I’ve started to become concerned about my health in a way I never used to be. I always think I’ve got some condition or other, because I know that some diseases occur more frequently in people as they get older. But which ones should I watch out for? According to gerontologist and professor of medicine at Calgary University, David Hogan, the 13 most common diseases where age is a significant risk factor are:

1. Cardiovascular Disease

One of the leading causes of death throughout the world, cardiovascular disease is, in fact, the US’s number one killer. Coronary artery disease is the most commonly occurring form of the condition – this is a narrowing or blockage of the heart’s main blood supplying arteries. Such obstructions and blockages can occur suddenly (an acute rupture) or gradually develop over time, causing heart attacks that may be fatal.

2. Cerebrovascular Disease (Strokes)

When a blood vessel in the brain is disrupted and blood cannot flow to one part of the brain, a stroke occurs. Because brain cells deprived of oxygen from blood quickly die, strokes are extremely serious. There are two different types of

stroke: ischemic – when a blood vessel is blocked by a blood clot; and hemorrhagic – when a bleed in the brain is caused by a ruptured blood vessel. A stroke can lead to serious disability or even death, according to the blockage/rupture's area and severity.

3. High Blood Pressure (Hypertension)

While the heart is pumping, the force the blood exerts on your artery walls can be measured, this is known as your blood pressure. When you sleep or rest, your blood pressure count is low. When you are excited or under stress, your count is high. Furthermore, your blood pressure count usually rises with age. If someone's blood pressure is chronically elevated, they can face serious health problems in their blood vessels, kidneys, heart, and elsewhere.

4. Cancer

Cancer – when abnormal cells grow at an uncontrollable rate – is said to be more likely to occur at a later stage in life. The American Cancer Society has found that 77% of cancers are diagnosed in patients aged above 55. In Canada, cancer is the number one cause of death for both males and females.

The most common cancer types for seniors include the following: stomach cancer, non-Hodgkin's lymphoma, bladder, prostate, colorectal, lung, skin, and breast cancer.

5. Type-2 Diabetes

Diabetes is the name for the disruption in the way your body makes use of the glucose and sugars digested from food. Type-1 diabetes, which usually first occurs in people aged below 30, is when no insulin is produced. Type-2 diabetes, which is much more common, is when some insulin is produced but the body is resistant to it – meaning the body can't properly process glucose.

Diabetes causes sugar levels to rise dangerously high, which can lead to health problems, including heart attacks, strokes, kidney failure, blindness, and nerve damage.

Type-2 diabetes is becoming more and more common, as modern changes alter the way we eat and lead our lives. This can be arrested though by leading a healthier lifestyle with plenty of regular exercise, and a good well-balanced diet.

6. Parkinson's Disease

Parkinson's is a progressive neurological disorder characterized by halting movement, stiffness, and visible tremors. Unsurprisingly, around 75% of all Parkinson's cases begin after the patient has reached 60 years of age. Yet age is still considered just one of the risk factors. Other reasons why people might be more likely to contract the condition include, whether they've been exposed to chemical toxins, suffered head injuries, or have a family history of the disease. Men are also more likely than women to suffer from Parkinson's disease.

7. Dementia (including Alzheimer's Disease)

Dementia is characterized by a loss of brain function, which may manifest as memory loss, mood changes, poor judgement, confusion, and difficulty communicating. The most common cause of such dementia is Alzheimer's disease, though other causes include, Huntington's disease, Parkinson's

disease, and vascular dementia. Even though dementia is more likely to occur during old age, it is in no way seen as part of the natural aging process.

8. Chronic Obstructive Pulmonary Disease (COPD)

Though chronic obstructive pulmonary disease (COPD) is incurable, it is treatable and preventable. The condition occurs when inflammation in the airways, a thickening of the lungs' lining, and an overproduction of mucus in the air tubes, leads to a significant reduction of airflow into and out of the lungs. Common symptoms of COPD include shortness of breath, wheezing, and a chronic cough.

The disease is usually caused by prolonged exposure to airborne irritants such as tobacco smoke (first and second hand), work-related contaminants, or industrial pollution. The single biggest risk factor in contracting the disease is cigarette smoking.

9. Osteoarthritis

Osteoarthritis – a degenerative joint disease – is the most common type of arthritis. Though the condition occurs more frequently in old age, women are much more likely to suffer than men. Those who've suffered a prior injury or are obese are also more susceptible to osteoarthritis.

The swelling and joint pains that characterize osteoarthritis can be treated with pain relief and anti-inflammatories, while lifestyle changes such as weight loss, physiotherapy, and exercise can also make a difference. However, osteoarthritis is still incurable.

10. Osteoporosis

Popularly referred to as brittle bone disease, osteoporosis is characterized by a loss in bone mass, resulting in weaker and thinner bones. The condition becomes more likely because of age, particularly for white and Asian females. Those with osteopenia – low bone density – are also at risk.

The U.S. National Institutes of Health claim that up to half of all women aged over 50 and nearly a quarter of men of the same age break a bone due to osteoporosis. Hip fractures are of most concern to elderly adults, because they lead to a loss of mobility and independence. Around 25% of hip fractures lead to death within 12 months.

To help prevent osteoporosis, try to maintain a diet rich in vitamin D and calcium. Also, refrain from smoking and second hand smoke.

11. Cataracts

A cataract is a gradual cloudiness in your eye's lens, which may result from several causes, including smoking, diabetes, and exposure to ultraviolet light. The U.S. National Institutes of Health assert that more than half of all over 65s have a cataract of some kind. Though in its initial phase a cataract may not be noticeable, over time vision can become blurry and will worsen. Nowadays, surgery to remove and replace the lens can be performed as an outpatient procedure, taking around one hour only.

12. Age-Related Macular Degeneration (AMD)

Age-related macular degeneration typically occurs in adults over the age of 50, and is thought to be the most common cause of blindness in the elderly. While

peripheral vision is preserved, the deterioration of the eye's macular stops the patient from seeing well in the center of their field of vision. Aside for age, other risk factors are smoking, family history, and race (white people are more likely to suffer than black, for example). Though no firm conclusions have yet been reached, researchers are confident that regular exercise and eating a diet rich in fish and colorful vegetables, as well as abstaining from cigarettes and keeping blood pressure and cholesterol levels down, can help prevent AMD.

13. Hearing Loss

As you age, you can expect a noticeable degeneration in your hearing ability, with the deterioration of the miniscule hairs inside your ear which aid in processing sounds. Because of these changes, you may find that you can't follow conversations in noisy areas, are unable to distinguish between some consonants, find some sounds louder than normal, and hear muffled voices. Factors that lead to hearing loss, aside from age, include prolonged exposure to loud sounds, smoking, and family history. An estimated half of all over 70s experience a degree of age-related hearing loss.

Thinking About Age-Related Diseases:

Aging is of course not a disease, but it is a risk factor for many different conditions. There is no guarantee that you will suffer from an age-related disease, but the chances of doing so increase with age. The rate of decline in adults over time can be accelerated because of many differing factors, including inflammation, exposure to pollutants and radiation, smoking, a poor diet, low fitness levels, and simple wear and tear. Posted by: Elm Belle <elm2belle@gmail.com>

10.7: Soy Shows Promise as Natural Anti-Microbial Agent: Study

Soy isoflavones and peptides may inhibit the growth of microbial pathogens that cause food-borne illnesses, according to a new study from University of Guelph researchers. Soybean derivatives are already a mainstay in food products, such as cooking oils, cheeses, ice cream, margarine, food spreads, canned foods and baked goods.

The use of soy isoflavones and peptides to reduce microbial contamination could benefit the food industry, which currently uses synthetic additives to protect foods, says Engineering Professor Suresh Neethirajan, director of the BioNano Laboratory. U of G researchers used microfluidics and high-throughput screening to run millions of tests in a short period. They found that soy can be a more effective antimicrobial agent than the current roster of synthetic chemicals.

The study is set to be published in the journal *Biochemistry and Biophysics Reports* this summer and is available online now. "Heavy use of chemical antimicrobial agents has caused some strains of bacteria to become

very resistant to them, rendering them ineffective for the most part,” said Neethirajan. “Soy peptides and isoflavones are biodegradable, environmentally friendly and non-toxic. The demand for new ways to combat microbes is huge, and our study suggests soy-based isoflavones and peptides could be part of the solution.” Neethirajan and his team found soy peptides and isoflavones limited growth of some bacteria, including *Listeria* and *Pseudomonas* pathogens. “The really exciting thing about this study is that it shows promise in overcoming the issue of current antibiotics killing bacteria indiscriminately, whether they are pathogenic or beneficial. You need beneficial bacteria in your intestines to be able to properly process food,” he said.

Peptides are part of proteins, and can act as hormones, hormone producers or neurotransmitters. Isoflavones act as hormones and control much of the biological activity on the cellular level.

North America has one of the safest food sources in the world, said Neethirajan, but the United States Centers for Disease Control and Prevention estimates that about 48 million people in the U.S. suffer from some sort of food-borne illness every year. “In addition, some people are worried about the potential for long-term illnesses resulting from the use of synthetic chemicals,” Neethirajan said.

“The use of soy peptides and isoflavones could combat bacteria and reduce these concerns.” The next step is for researchers to conduct large-scale tests, Neethirajan said. “We’ve created a recipe for this to go ahead. This could be very beneficial to food processors, as well as the farmers who grow soybeans.”

10.8: The Deadly Effects of Vertigo

There are many different underlying causes of vertigo, but it now seems like one of the most serious of these is so brief that many people don’t take it particularly seriously. It lasts for only a second or two in most cases and people tend to ignore it and pass it off as normal. It is related to the extreme dizziness that some people feel when they stand up after sitting or lying down. When you stand up from sitting or lying down, your body needs to increase your blood pressure for a moment to ensure that enough blood reaches your brain against the gravity you have suddenly imposed on it. But sometimes something goes wrong and extreme dizziness happens.

This condition is called orthostatic hypotension. It happens because their blood pressure drops by at least 20 mmHg systolic points or 10 mmHg diastolic points.

But if the blood vessels in your lower body do not constrict fast enough to increase your blood pressure for that moment, the blood cannot leave your

lower body fast enough to go back up to your heart. This means that there isn't enough blood available for your heart to pump up to your brain, and your brain starts to cut out until enough blood arrives. But scientists now suggest that middle-aged people who suffer from this condition may be at higher risk of dementia as they age. This study was published in the journal *Circulation*.

Animal Health

Animals play a vital role in the society. Animal Health is the inter-link between humans, animals and the surrounding environment. They play the main role in transportation, clothing and Food. Animals provide many benefits to humans. While the company, sport or work satisfy important needs in today's society, we should not overlook that the production of food of animal origin has been historically, and remains one of the fundamental pillars on which is based the Food. A Noteworthy economic importance of farming in our society, not to mention the environmental role of some species like honey bees. It is important for pets, zoo animals and farm animals to stay healthy. The health of animals defines the healthy and wealthy society. Healthy animals contribute to the elimination of hunger, to healthy people and to sustainable food production.

Source: <http://animalhealth.conferenceseries.com/>

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NATIONAL ACADEMY OF VETERINARY SCIENCES (INDIA)

CONTACT US

PRESIDENT: Maj. Gen. Shri Kant Sharma, Ex-Vice-Chancellor, LUVAS, Hisar (Haryana). Ph. 9416314967; Email: shrikant28@hotmail.com

VICE-PRESIDENT: Dr. D.V.R. Prakash Rao, Chennai. Ph. 9940099000
Email: Contect@prakashfeeds.com; Ph. 9940099000

SECRETARY GENERAL Dr. S.K. Gupta, LUVAS, Hisar (Haryana).
Contact#: +9896068399(M), Email: drsurengupta@rediffmail.com

TREASURER: Dr. Nem Singh, Ghaziabad, U. P. Ph. 9818244710, 9711760402
Email: singhnem1945@gmail.com

EDITOR: Dr. R.N. Kohli, New Delhi; Phone: 011-46065021; 9968920200;
Email: rnkohli@gmail.com

10. FORTHCOMING EVENTS

Calendar of Conferences, Conventions and Symposia in India and abroad

Get your event listed in this section by mailing complete details to the Editor: rnkohli@gmail.com

10.1 Equine Lameness and Cattle Lameness - July 2017 - Online; Massey University in New Zealand offers two courses for veterinarians: Advanced Studies in Equine Lameness for Veterinarians with James Schumacher, Wayne McIllwraith, Chris Rogers, Michelle Logan, and Joe Mayhew.

Lameness Investigation and Control for Cattle Veterinarians with Richard Laven and Kristina Müller. Detailed information:

<http://www.ivis.org/newsletter/archives/may17/may3117.htm>

10.2: World Equine Airways Symposium (WEAS) - One Stop Shopping to Learn About Horse Airways - Jul. 13-15, 2017 - Copenhagen, Denmark

The World Equine Airways Symposium (WEAS) is the only meeting where one can learn about the airways from nose to alveolus at one go! Confronted with a poorly performing horse, equine veterinarians must have expertise in diagnosis and treatment of both upper and lower airways diseases. A critical understanding of the pathogenesis, advances in the treatment and implementation of strategies to prevent these respiratory disorders can only be achieved through carefully-conducted scientific investigations. Clinical and fundamental information will be presented by international experts. More information: <http://www.ivis.org/newsletter/archives/may17/may3117.htm>

10.3: 2017 Therio Conference - Aug. 2-5, 2017 - Fort Collins, CO, USA

Make your plans now to join us in beautiful Fort Collins, Colorado for the 2017 Therio Conference and Equine Symposium. We're going back to our roots this year in historical Fort Collins. The first official meeting of the group that eventually became known as The Society for Theriogenology was held in Fort Collins in February of 1954. Join us as we return to the place where it all started. Created to provide CE opportunities for veterinarians interested in the specialty of animal reproduction. The 2017 Conference will focus on the Equine Program, and will also include Small Animal and Production Animal tracks. As always, there will be fun events for all attendees and outstanding sessions that make this conference one-of-a-kind. Make plans to join us in 2017 in this fabulous setting. Fifty-nine hours of CE offered. More Information: <http://www.ivis.org/newsletter/archives/may17/may3117.htm>

10.4: Dairy Universe India, 21st - 23rd August 2017, Pragati Maidan, New Delhi (Concurrent with Trade Fairs). For further

information contact: m.pathan@koelnmesse.india.com; Phone: 040-65007722; Fax: 040-66684433.

10.5: 33rd World Veterinary Congress of 27 to 31 August 2017, Incheon, Republic Korea. Details: info@wvc2017korea.com.

10.6: 7th International Veterinary Congress - 04-05, 2017 September Paris, France; Theme: Impeccable Growth of the Veterinary Sector. Details: <http://veterinary.conferenceseries.com/>

10.7: European Buiatrics Forum EBF 2017 - Oct. 4-6, 2017 - Bilbao, Spain

The European Buiatrics Forum 2017 will propose a scientific programme on Bovine Medicine during 2.5 days at the wonderful Euskalduna Congress Center. Call for Abstracts - Abstract Submission is Now Open. Abstracts can be submitted for consideration for an oral presentation or a poster in the following categories: Reproduction Disorders, Parasitology, Climate Change, Surgery, Antibioresistance, Mastitis and Udder Health, Respiratory, Infectious Diseases, Metabolic Diseases and Nutrition. More information:

<http://www.ivis.org/newsletter/archives/may17/may3117.htm>

10.8: 8th International conference on Animal Health and Veterinary Medicine, Oct. 20-21, 2017, Toronto, Canada. *Theme: One Health, One Society*; View: <http://animalhealth.conferenceseries.com/>

10.9: IDF World Dairy Summit 29th Oct. to 3rd Nov. 2017, Belfast, United Kingdom. For Details: www.idfwds2017.com; info@idfwds2017.com

10.10: National Seminar on Food Adequacy & Climate Change; 3-4, November 2017, Pattikad, Thrissur, Kerala

Organizers: Association of Meat Scientists & Technologists, Kerala Veterinary and Animal Sciences University in Association with Kerala Chapter of Indian Dairy Association. For more information: Dr. B. Sunil, Organizing Secretary Ph. 09497626575; email: amstconkerala@gmail.com

10.11: XXXIV Annual Conference of Indian Poultry Science Association, 28-30 November 2017 at NIMHANS Convention Centre, Bengaluru

Indian Poultry Science Association (IPSA) and ICAR-NIANP are organizing the XXXIV Annual Conference of Indian Poultry Science Association (IPSA CON 2017) on 28-30 November 2017 at NIMHANS Convention Centre, Bengaluru. For details visit the dedicated conference website www.ipsacon2017.com

10.12: 19th Organic World Congress 7-8 November 2017, New Delhi and a Pre- Conference on **7-8 November 2017**, Ghaziabad as. 3rd Organic Animal Husbandry Conference. For details and to view the conference brochure: <https://drive.google.com/file/d/0B0TX5SvS4IMRNkYwUUlqZW1sRkE/view>

10.13: International 11th Indian Fisheries and Aquaculture Forum (11th IFAF) at Cochin, Kerala during 21-24 November, 2017
November 2017 Fostering Innovations In Fisheries And Aquaculture Focus On Sustainability And Safety
Kochi Kerala, India 21 To 24 (<http://www.icar.org.in/>)

10.14: 34th World Veterinary Association Congress, 5-8 May, 2018, Barcelona, Spain. The WVA is happy to launch the 34th World Veterinary Association Congress that will take place in Barcelona, Spain on 5-8 May 2018.<http://wvac2018.org/> (available also in Spanish).

Please follow the WVAC2018 on Twitter: <https://twitter.com/wvac2018> and on Facebook: <https://www.facebook.com/WVAC-2018-1765793577033301/>

10.15: Southern European Veterinary Conference (SEVC) and Congreso Nacional de AVEPA - Nov. 9-11, 2017 - Barcelona, Spain

The SEVC workshops give delegates a unique hands-on laboratory experience. Working with small groups (maximum 20 people), world-class instructors will teach new techniques using the latest equipment. The workshops are presented in English, but instructors will provide assistance with other languages. Delegates can register for the workshops only, without registering for the SEVC Scientific Programme. For more information: <http://www.ivis.org/newsletter/archives/may17/may3117.htm>



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