

# The Lesion

Annual Newsletter of Indian Association of Veterinary Pathologists

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**Chief Editor**  
**Dr R. Somvanshi**

*Cancer is like a cockroach. It just comes back stronger.*

*-Eddie Van Halen*

## Editorial ...

*I am extremely happy to present The Lesion 2024 to fellow members of IAVP/ICVP. As usual it contains mixed scientific matter including information on forth coming VPC 2024 at SKUAST-Jammu, special article on Fifty Years of IAVP, research news, personal achievements and about IAVP/ICVP activities. So far IAVP has organized 40 Annual National/International Conferences and around two dozen Zonal Conferences in different parts of country and professional scientific information were exchanged amongst fellow Veterinary Pathologists. It has published 48 volumes of The Indian Journal of Veterinary Pathology and 12 volumes of newsletter The Lesion. IAVP is awarding 8 categories of a total of 35 annual awards to its members. Till now, it has awarded Fellowship (FIAVP) to 64 eminent Veterinary Pathologists. ICVP was founded in 2008 with an aim for personal accreditation of practicing Veterinary Pathologists. It is having 84 qualified Diplomats To conclude it may be stated that IAVP is going ahead in right direction with innovative ideas. It is taking care to keep up interests of academia and industry.*



**- R. Somvanshi**

## From the President Desk...

Dear Colleagues,

We heartily invite you to The Veterinary Pathology Congress-2024, which also commemorates the Golden Jubilee of IAVP and its 41st Annual Conference. On this momentous occasion of IAVP's 50th Anniversary, a National Symposium will be organized on "Exploring Veterinary Pathology and Diagnostic Innovations in Animal and Poultry Diseases amidst Climatic Challenges" by the Division of Veterinary Pathology, Faculty of Veterinary Sciences and Animal Husbandry, Sher-e-Kashmir University of Agricultural Sciences and Technology-Jammu, Union Territory of Jammu and Kashmir from 28th-30th November, 2024. The Veterinary Pathology Congress, as always, intends to provide a common platform for the guild of veterinary pathologists, endeavours to promote knowledge and excellence in the discipline, and thrive for the advancement of professional competency. It is also an excellent platform for the aspiring young professionals to showcase their research before the scholarly and erudite fraternity. Newer domains have opened up in recent times. The 'modern' pathologist therefore should keep abreast with the advancement in science and be adept in applying the more contemporary knowledge and tools. The current trends in biotechnology and molecular biology, nanotechnology, breakthroughs in diagnostic imaging, explore realms of uncharted domains, even at the molecular level. With impending adverse climatic changes, emerging diseases pose newer challenges, and so does their diagnosis. It is therefore contextual that the Symposia's theme on 'Exploring Veterinary Pathology' and in Diagnostics especially 'Amidst Climatic Challenges' be aptly deliberated. **You are Welcome at VPC-2024 at Jammu.**



**-Dr B.N. Tripathi,**

Vice Chancellor (SKUAST-J) and President, IAVP

## IAVP Activities

**VETERINARY PATHOLOGY CONGRESS, 2024**

IAVPCON, 2024-Golden Jubilee of IAVP Veterinary Pathology Congress, 2024, 41st Annual Conference of Indian Association of Veterinary Pathologists and 15th Annual Meeting of Indian College of Veterinary Pathologists and National Symposium is being organized on 28th-30th November, 2024 jointly by Division of Veterinary Pathology, Faculty of Veterinary Sciences and Animal Husbandry, Sher-e-Kashmir University of Agricultural Sciences and Technology-Jammu, Union Territory of Jammu & Kashmir, India, Indian Association of Veterinary Pathologists and Indian College of Veterinary Pathologists.

**VPC-2024 Venu: Sher-e-Kashmir University of Agricultural Sciences and Technology, Jammu**

Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu ([www.skuast.org](http://www.skuast.org)) came into existence on 20 September, 1999. The establishment of SKUAST of Jammu was instrumental to cater to the needs of Jammu Division for the region-specific advances through education, research and extension in the in the field of agricultural and allied sciences. The multi-campus University comprises of many Faculties, including that of Agriculture, Horticulture and Forestry, Agricultural Engineering, Basic Sciences and Institute of Biotechnology situated in main campus Chatha; and the Faculties of Veterinary Sciences and Animal Husbandry, Dairy Technology at Ranbir Singh Pura Campus. Besides there are 9 different Research Stations and Sub-Stations, 10 AICRPs and 9 Krishi Vigyan Kendras. The Faculty of Veterinary Sciences and Animal Husbandry (FVSc & AH) is ~10 km from SKUAST-Jammu, Chatha Main Campus. FVSc & AH came into existence on 15th December, 1995 when it was formally inaugurated by the then Governor of Jammu and Kashmir, Gen. (Retd.) K.V. Krishna Rao. The fledgling institute became the regional hub of veterinary education under the erstwhile SKUAST and then later under SKUAST-Jammu. The faculty caters to the welfare of animal wealth and livestock farmers of the Jammu. The institute proudly features a resourceful and diverse scientific temperament.



Baba Jitto Auditorium, Main Campus, Chatha



Faculty of Veterinary Sciences &amp; Animal Husbandry, RS Pura Campus

**About Jammu and Places to Visit**

The city of Jammu is situated on the banks of the river Tawi, and surrounded by the Shivalik hills of the Himalayas to its North, East and South-East; Trikuta hills on the North-West; and Northern plains in the South. It was founded by the Rajput King Jambulochan in the 14th century. The region features a humid sub-tropical climate with extreme highs in summer and cooler winters. Month of November is cool and pleasant with temperature average of 16.4°C (Min. 9.6°C - Max. 23.8°C). Jammu is well connected to other parts of India through air, rail as well as inter-state bus services. SKUAST-Jammu at Chatha campus is ~6.4 km from Jammu Civil Airport, Satwari, Jammu, ~12.3 km from Jammu Tawi Railway Station, Trikuta Nagar, Jammu, and ~12.0 km from General Bus Stand, Resham Ghar Colony, Jammu. Jammu is called the 'City of Temples'. Vaishno Devi Temple being one of the holiest Hindu pilgrimage sites is located in Katra on Trikuta Hills (~60 kms from Jammu). Other important places of interest are- Raghunath Temple, Bahu Fort and Gardens, Amar Mahal Palace, Mubarak Mandi, Mansar Lake and Suchetgarh, Pakistan International Border. Srinagar in the valley of Kashmir is approximately 250 kms from Jammu and connected by air and road.



## Know Your Organizing Secretary Dr Pankaj Goswami, Professor-cum Head, Division of Veterinary Pathology, FVSc&AH, SKUAST, Jammu



**Dr Pankaj Goswami**, Professor-cum Head, Division of Veterinary Pathology, FVSc&AH, SKUAST, Jammu is Organizing Secretary of VPC-2024. He was born on 29th May, 1974. He did graduation in 1997, with University Merit Scholarship from College of Veterinary Science, Assam Agricultural University, Guwahati. He obtained MVSc (Veterinary Pathology) in 1999 from same College with University Merit Certificate and PhD in 2016 as in-service candidate with first division from College of Veterinary Science, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana. Dr Goswami joined as Assistant Professor (Veterinary Science) at Sher-E-Kashmir University of Agricultural Sciences and Technology of Kashmir in June 2004, became Associate Professor in January, 2011 and Professor in January 2017 and become Head of the Division at Srinagar in 2021. Later he was transferred to SKUAST, Jammu in July 2021. He joined as Professor-cum-Head in November, 2022.

He worked extensively on infectious respiratory disease of ruminants, avian nephrosis and animal papillomatosis. Currently, he is working on development of LAMP assay for detection of common respiratory pathogens in small ruminants. Dr Goswami published a total of 67 research papers. In addition, he published about 5 technical/ extension articles and several abstracts and invited papers/ lectures in proceedings of conferences, seminars, trainings and workshop. He also standardized immunohisto-chemical technique and conventional and multiplex PCR for detection of mycoplasma infections under field conditions. He guided 2 MVSc students as major advisor in the field of Veterinary Pathology and co-guided 10 MVSc and 2 PhD students. Currently he is guiding one MVSc student majoring in Veterinary Pathology.

Dr Goswami is acting as reviewer and editorial board members of various scholarly journals of international repute. He received a number of awards including prestigious Best Researcher Award by INSc in 2018, Global Icon Award 2020 under Global Poultry Academic by Pashudhan; besides several oral and poster presentation awards from National and International Societies / Associations. He is also involved in technology transfer programme under Societal Division of Department of Biotechnology, Govt. of India for augmentation of household income of dairy farmers at SKUAST, Srinagar. He successfully handled and completed two externally funded projects of DBT and ICAR, and presently handling a project from JKDST&IC on respiratory pathogens of small ruminants. He qualified certificate examination of Indian College of Veterinary Pathologists (ICVP) in 2020. He is life member of IAVP since 2000 and currently member of Executive Committee of IAVP, He was elected Editor of ICVP for 2023-2025. Through collaborative projects and outreach programs, Dr Goswami aims to bridge the gap between veterinary science and agricultural practices, promoting sustainable animal husbandry in the region. His contributions continue to advance Veterinary Pathology and support animal health initiatives in Jammu and Kashmir and beyond. He is Organizing Secretary of VPC-2024 to be held from 28th-30th November, 2024 at SKUAST, Jammu.

### Awards & Honor 's

## ICMR-DHR Long Term International Fellowships for Young Indian Biomedical Scientists to Dr Saminathan, M., Scientist (Sr Scale), CADRAD, ICAR-IVRI

**Dr Saminathan M.**, Scientist (Senior Scale), Centre for Animal Disease Research and Diagnosis, ICAR-Indian Veterinary Research Institute, Izatnagar, Bareilly, Uttar Pradesh, received "ICMR-DHR Long Term International Fellowships for Young Indian Biomedical Scientists" for the year 2023-24 to learn new techniques, understand advanced research methodology and exposure to international scientific environment in the emerging areas of clinical/ medicine/ health sciences under the mentorship of Dr Jorge E. Osorio, Director, Global Health Institute and Department of Pathobiological Sciences, School of Veterinary Medicine, University of Wisconsin-Madison, Madison, Wisconsin, USA. He is undertaking the training in the research field of "Development and evaluation of recombinant viral vectored oral bait vaccine against rabies virus". He is receiving a stipend of US\$ 3000 per month for the duration of 12 months from 30th June, 2024 to 29th June, 2025. **IAVP extends Dr Saminathan best wishes in success of his International Fellowship and research.**



## Glorious Fifty Years of Indian Association of Veterinary Pathologists (1974-2024): A Brief Overview

**Prof. R. Somvanshi**, Former President, IAVP, Retired Head, Division of Pathology, Former Acting Joint Director, CADRAD, Ex. ICAR-Emeritus Scientist, Emeritus Professor, Ex. National Fellow, ICAR-Indian Veterinary Research Institute, Izatnagar, Bareilly, 243 122 UP

On March, 1974, the Indian Association of Veterinary Pathologists, (IAVP) was established under the Chairmanship of Dr S. Damodaran, Professor and Head, Department of Pathology, Veterinary College, Madras, during a scientific get together of 37 eminent Veterinary Pathologists at the Division of Pathology, Indian Veterinary Research Institute, Izatnagar, UP. The association soon framed its constitution and extended the drive for membership amongst Veterinary Pathologists from different Veterinary and Animal Husbandry institutions and other laboratories. The assembly of pathologists in the form of Annual Conventions and Symposia on the current problems in Veterinary Science was first held at Veterinary College, Bangalore in 1983 but became an annual feature only after 1986.

**Objectives:** The initial objectives of IAVP laid were: (i) Cooperation for advancement of Veterinary Pathology, (ii) Publishing Indian Journal of Veterinary Pathology, (iii) Organizing scientific meetings, seminar, symposium, conferences, exhibitions and get together, (iv) Exchanging scientific information among members, (v) Attainment and dissemination of knowledge and (vi) To encourage young pathologists.

With growth of association objectives were later re-defined. The main objectives of the association are advancement and dissemination of knowledge of pathology. However, to achieve them with distinction, emphasis is largely laid upon:

1. Attainment and dissemination of knowledge and to encourage young pathologists for establishing their professional skills more vividly.
2. To organize annual conventions and symposia for encouraging the academic pursuits of pathologists by arranging presentation of research papers and invited lectures from pathologists and other scientists of eminence.
3. To encourage the members for their research aptitude and academic pursuit, the Association also publishes a journal Indian Journal of Veterinary Pathology.

**IAVP Constitution:** After taking a decision of establishing IAVP on 24 March 1974 at IVRI, Izatnagar, UP IAVP Constitution was drafted and published in first issue of IJVP in 1976. It is having detailed guidelines and bylaws for office bearers and members. As per constitution IAVP had Central Council (Now Executive Committee) comprised of President, Vice President, General Secretary, Treasurer, Editor and four Members. Association had honorary members, members and life members. Honorary Members were admitted on recommendation of Central Council, Fee for member was Rs 15/- and Life Member 250/- only. IJVP had Editor and four members of Editorial Board. Persons paying Rs 1000/- were accepted as Patron. Price of IJVP was Rs 15/- for individual subscribers and Rs 20/- for Libraries in India and USD 20/- for libraries in abroad. Since beginning IAVP had given great importance to State Units. Guidelines were available for formation and functioning of local Units. Functions of each Office Bearers were well defined. In due course of time IAVP Constitution was amended several times and it is uploaded in IAVP website.

**Office Bearers (1974-2024):** Till date the association was led by following eminent Veterinary Pathologists:

### Presidents

Dr S. Damodaran	1974-1975*	Dr J.L. Vegad	1997-2003
Dr B.S. Rajya	1976-1979 *	Dr R.N.S. Gowda	2004-2005
Dr Balwant Singh	1980-1982	Dr Lal Krishna	2006-2011
Dr B.S. Rajya	1983-1986	Dr B. Murali Manohar	2012**
Dr M.K. Nair	1987-1993	Dr R. Somvanshi	2013-2019
Dr G.C. Mohanty	1994-1997	Dr B.N. Tripathi	2020-Cont.

\*Initially term Chairman was used. \*\* Resigned



**Vice Presidents**

Dr P.K.R. Iyer	1980-1982	Dr P.L. Kaul and Dr B. Murali Manohar	2006-2007
Dr M. Krishna Nair	1983-1986	Dr B. Murali Manohar & Dr R.S. Chauhan	2008-2011
Dr S.J. Sheshadri	1987-1993	Dr T.V. Anilkumar and Dr V.K. Gupta	2012
Dr J.L. Vegad and Dr Gopal Yadgir	1994-1996	Dr M.V. Joshi and Dr C. Balachandran	2013-2016
Dr A.T. Rao and Dr O.P. Paliwal	1997-1998	Dr N.K. Sood and Dr R.C. Ghosh	2017-2019
Dr Lal Krishna and Dr P.P. Gupta	1999-2000	Dr D.V. Joshi and Dr Amarjit Singh	2020-2022
Dr O.P. Paliwal and Dr P.P. Gupta	2001-2003	Dr K.P. Singh and Dr S.K. Mukhopadhyay	2023-Cont
Dr P.S. Lonkar and Dr P.P. Gupta	2003-2005		

**Secretary Generals**

Dr P.K.R. Iyer	1976-1979	Dr V.K. Gupta	2004-2008
Dr G.C. Mohanty	1980-1982	Dr T.V. Anilkumar	2008-2011
Dr S.J. Seshadri	1983-1987	Dr B.N. Tripathi	2013-2016
Dr A. Rajan	1987-1993	Dr K.P. Singh	2017-2023
Dr R.N.S. Gowda	1994-2003	Dr Balasubramanian, G.A.	2024-Cont.

**Treasures**

Dr S.C. Gupta	1976-1979	Dr K.P. Singh	2006-2007
Dr R.L. Sah	1980-1988	Dr Rajendra Singh	2008-2019
Dr N.S. Parihar	1989-1997	Dr Palanivelu, M.	2020-2021
Dr A.K. Sharma	1997-2005	Dr Pawan Kumar	2021- Cont.

**Editor/Chief Editor\*/ Associate Editor\*\*/Managing Editor\*\*\***

Dr P.K.R. Iyer	1976	Drs B.N.Tripathi*/Dr. R.V.S. Pawaiya	2009
Dr H.V.S. Chauhan	1977	Drs B.N. Tripathi*/K.P. Singh/N.P. Kurade	2010-11
Dr G.C. Mohanty	1979-1982	Drs K.P. Singh*/N.P. Kurade/Kuldip Gupta	2012-14
Dr N.S. Parihar	1983-1985	Drs R.V.S. Pawaiya*/N.P. Kurade/Shivsharnappa, N.	2014-19
Dr M.C. Prasad	1987-1998	Drs M.R. Reddy/A. Anand Kumar/Vidya Singh***	2020-22
Drs P. Dwivedi/A.K. Sharma**/R.Singh**	1999-2006	Drs A. Anand Kumar*/K.S. Prasanna/Vidya Singh***	2023-Cont.
Drs R.S. Chauhan*/B.N. Tripathi**	2006-08		

**Web Manager**

Dr T.V. Anilkumar	2004-2008	Dr N.V. Kurkure	2017-2019
Dr Amarjit Singh	2009-2016	Dr R. Somvanshi	2020-Cont

**Possibly First Central Committee (1977)**

Chairman	Dr B.S. Rajya
Secretary	Prof. P.K.R. Iyer
Treasurer	S.C. Gupta
Editor	Dr H.V.S. Chauhan
Members	Dr S. Damodaran, Dr J.L. Vegad, Dr M.K. Nair and Dr Balwant Singh

Current Executive Committee of IAVP (2023-2025): Please see last page of the Lesion.

**IAVP Annual Conferences, National Symposium, Satellite Seminars, International Seminars and ICVP Meetings and Veterinary Pathology Congress**

IAVP Conferences are attractive annual features for Indian Veterinary Pathologists particularly to students and young scholars and veterinary pathologists. So far 40th Annual Conventions and National Symposium are organized in different states of country. During 2005-2013 Satellite Seminar in association with Dr C.L. Davis DVM Foundation, USA were organized. From 2009 up to present day ICVP Annual Meeting has become constant feature of IAVP Conference. From

2013 onwards term Veterinary Pathology Congress was used. IAVP has organized more than six International Conferences at Chennai, 1992; Izatnagar, 2008. Ludhiana 2009, Bengaluru 2017, Bikaner, 2020 and Hyderabad, 2021. At Bengaluru VIII Biannual Meeting of Asian Society of Veterinary Pathology was organized which was attended by delegates from more than half dozen delegates from South East Asian countries. Details of Conferences may be seen in Somvanshi (2024I, JVP 48(3):i-x).

**The Indian Journal of Veterinary Pathology:** The Indian Journal of Veterinary Pathology (IJVP) is the official publication of the Association intended for publishing scientific review articles, research papers, short communications, thesis abstracts, book reviews and association news (conference proceedings, awards and honors, new appointments, promotions, obituaries etc.) for advancing the knowledge of pathology. IJVP publication was started in 1976 and its founder editor was Prof. P.K.R. Iyer. From 1976-90, every year one issue was brought out. Since 1991, two issues / year (June and December) were published by efforts of Dr M.C. Prasad. In 2013, Dr R.V.S. Pawaiya, new Chief Editor took a bold step to bringing out four issues of IJVP annually (March, June, September and December). He gave new look to Journal and online publication was also started. The issues from 2004 are uploaded and available in IAVP website. In the year 2010 NAAS impact factor of journal was 4.6 (Sr. No 704, J.Id I050). NAAS rating w.e.f. 2017 is 5.48. Its Indian Citation Index Research Impact Indicator is 0.038.

**IAVP News Letter- The Lesion:** Initially, The Lesion was a biannual Newsletter of IAVP. It publishes association news and activities along with achievement of members with multicolor pictures. It also publishes cases reports and personalia. Its first issue was published in January 2009. Dr B.N. Tripathi was its founding editor. For a few issues, Drs C. Balachandran and T.V Anilkumar also served as Editor. Currently, the Lesion is annual publication and it is published before IAVP Conference. Present Chief Editor is Dr R. Somvanshi. He gave new look to the Lesion by publishing certain new columns-like features on- Conference Venue, Meet Your Organizing Secretary, Superannuation News, Obituaries, Appointments and Promotions etc. Details of issues may be visited under publication menu of IAVP website.

**IAVP Website:** IAVP Website ([www.iavp.org](http://www.iavp.org)) was designed and established in 2004 by Dr T.V. Anilkumar the founder Web Master. He served as webmaster during 2004-2008 which was followed by Dr Amarjit Singh (2008-2016). They made significant contributions in dissemination of association information to members. During 2017-2019, IAVP website was redesigned and it was made attractive and more informative through help of an IT Firm. Its menu was added certain new features viz. archival, image gallery, personalia etc. Recent IAVP citations were uploaded while images of all IAVP President and IAVP Fellows were collected and uploaded. Website was uploaded with revised IAVP constitution, modified awards, proforma etc. in such a manner that its text can be used as reference and archival material. It was regularly updated with IAVP/ICVP conference news, proceedings, glimpses, appointments, award and honor news to members, superannuation biodata and obituaries. Current Web Manager Dr R. Somvanshi played a key role in upgrading and giving a new look to IAVP website.

**IAVP Annual Awards:** The Indian Association of Veterinary Pathologist confers a number of awards every year to encourage different age groups of Veterinary Pathologists who have excelled in professional competence and contributed to the advancement of knowledge in Veterinary Pathology. The revised awards in the year 2016 are listed below and for rules and for regulations the applicants may log on to [www.iavp.org](http://www.iavp.org). These awards are only for IAVP life members.

#### 1. IAVP-Young Scientist Awards (Four Nos.)

- IAVP-Dr Balwant Singh Memorial Young Scientist Award for Best Oral Presentation
- IAVP-Dr S.K. Nigam Young Scientist Award for Second Best Oral Presentation
- IAVP-Prof. S. Ramachandran Memorial Best Molecular Oncologist Presentation Award
- IAVP- Prof. C. Balachandran Molecular Pathology Best Oral Presentation Award

#### 2. IAVP-Poster Presentation Awards (Three Nos.)

- IAVP-Best Poster Presentation Award
- IAVP-Organizing Secretary Second Best-Poster Presentation Award
- IAVP-Savithree Jibachch Sinha Third Best Poster Presentation Award

**3. IAVP-Journal Awards (Four Nos.)**

- a. IAVP-Dr C.M. Singh Award for Best Full Research Article (Non-Pack Animals)
- b. IAVP-Dr S. Damodaran Award for Best Oncology Case Report/Full Paper
- c. IAVP Dr B.S. Rajya Award for Best Non-Oncology Short Communication
- d. IAVP-Gang-Mana Sharma Award for Best Article/ Case Report on Pack Animals

**4. IAVP-Best Post Graduate Thesis Awards (Four Nos.)**

- a. IAVP-Prof. P.K.R. Iyer Memorial Best M.V.Sc. Thesis Award
- b. IAVP-Dr Ram Raksha-Kiran Shukla Award for Second Best M.V.Sc Thesis
- c. IAVP-Best Ph.D. Thesis Award
- d. IAVP-Dr Patri Rama Rao Second Best Ph.D. Thesis Award

**5. IAVP Achievement Awards in Specialty Subjects (Four Nos)**

- a. IAVP-Best Farm Animals Pathologist Award
- b. IAVP-Best Poultry Pathologist Award
- c. IAVP-Dr B.L. Purohit Memorial Best Toxicologist Pathologist Award
- d. IAVP-Wildlife Pathologist Award (Biannual Award- Odd Year)

**6. IAVP- Special Encouragement Awards (Two Nos)**

- a. IAVP-Best Veterinary Pathology Teacher Award (Annual Award)
- b. IAVP-Best Women Veterinary Pathologist Award (Biannual Award-Odd Year)

**7. Fellow of Indian Association of Veterinary Pathologists (FIAVP)**

For outstanding pathologists based on their contribution to the advancement of the Veterinary Pathology, Research and Education

**8. IAVP Appreciations / Activities / Recognitions**

- a. Dr P.P. Gupta Oration\*
- b. IAVP-Veterinary Pathology Congress-Thematic Lecture\*
- c. IAVP-Veterinary Pathology Congress-Continuing Veterinary Pathology Education Lecture\*
- d. IAVP-Appreciation to Organizing Secretary and Team for Best EC Worker/ Zone/ Chapter\*

NB: On nomination and invitation of EC-IAVP

**Discontinued IAVP Awards**

In past following awards were given but now discontinued for want of sponsorship from concerned firms/ individuals:

**1. Young Scientists Awards (Two Nos.)**

- a. SKM Animal Feeds and Foods (India) Ltd. Award.
- b. M/S Narmada Hatcheries Award

**2. Dr Nemi Chand Jain and Jawahar Lal Vegad Award:**

For outstanding research in Veterinary Pathology

**3. Dr Nemi Chand Jain Life Time Achievement Award in Veterinary Pathology****Recently Instituted Sponsored Awards**

1. IAVP-Dr S.K. Nigam Memorial Young Scientist Award for Second Best Oral Presentation
2. IAVP-Dr Balwant Singh Memorial Young Scientist Award for Best Oral Presentation
3. IAVP-Prof. P.K.R. Iyer Memorial Best MVSc Thesis Award
4. IAVP-Dr B.L. Purohit Memorial Best Toxicologist Pathologist Award
5. IAVP-Prof. C. Balachandran Molecular Pathology Best Oral Presentation
6. IAVP-Sessional Specialty Poster Award (2 Awards per Session)

**Fellowship of IAVP:** Fellowship of IAVP is awarded to outstanding Veterinary Pathologists based on their contribution to the development of Pathology or Veterinary Education/Research. The list of FIAVP awardees of IAVP is as follows:





M.Y. Mangrulkar,1988	R.S. Chauhan,2005	R.V.S. Pawaiya, 2016
C.M. Singh,1990	B. Murali Manohar,2007	Mrs Ch. Srilatha, 2016
G.L. Sharma,1990	P. Dwivedi, 2007	R. P. Gupta, 2017
S. Damodaran,1990	T.V. Anilkumar,2007	Nitin Virmani, 2017
P.B. Kuppaswamy,1991	R. Somvanshi, 2008	Mrs V. Rama Devi, 2017
B.S. Rajya,1992	B.N. Tripathi, 2008	B.P. Joshi, 2018
K.P.C. Nair,1992	C. Balachandran, 2009	Arvind D. Ingle, 2018
P.R.K. Iyer,1993	V.K. Gupta, 2009	H.D. Narayanswamy, 2018
M.K. Nair,1997	Madan V. Joshi, 2010	S, K, Mukhopadhyay, 2019
G.C. Mohanty,1997	K.P. Singh, 2010	N.V. Kurkure, 2019
M.C. Prasad,1997	R. Singh, 2011	A. Anand Kumar, 2019
P.P. Gupta,1997	Amarjit Singh, 2011	Col. C. Churamani, 2020
S. Ramchandran,1999	N.K. Sood, 2012	Hemant Dadhich, 2020
A. Rajan,1999	R.C. Ghosh, 2012	Susen K. Panda, 2020
Lal Krishna,1999	K.S. Prajapati, 2013	Kuldip Gupta, 2021
R.N.S. Gowda,1999	A.K. Sharma, 2013	Mekala Lakshman, 2021
S.J. Seshadri,2000	D.V. Joshi, 2014	Mrs K. Sujatha, 2021
J.L. Vegad,2000	C.K. Singh, 2014	S.D. Moregaonkar, 2022
A.T. Rao,2000	R.N. Sharma, 2015	N. Pazhanivel, 2022
O.P. Paliwal,2000	A. Chakraborti, 2015	T.K. Rajkhowa, 2023
L.N. Acharjyo,2002	P.K. Sahoo, 2015	<b>Hony. Fellowship:</b>
P.L. Kaul, 2004	G.A. Balasubramaniam, 2016	Maj Gen N.S. Kanwar. 2012

### Indian College of Veterinary Pathologists (ICVP)

Indian College of Veterinary Pathologists (<https://www.icvp.in>) is an affiliated body of IAVP which was established in November 2008 as an independent certification organization for personal accreditation at Division of Pathology, IVRI, Izatnagar, UP. during the Presidentship of Dr Lal Krishna. It aims for the advancement of Veterinary Pathology and its sub-specializations including Clinical Pathology, Avian Pathology, Aquatic Animal Pathology, Toxicologic Pathology, Laboratory Animal Pathology etc. by establishing standards of training and experience. The organization was pioneered, conceived and developed by a group of 22 life members of the Indian Association of Veterinary Pathologists having recognizable stature in academia, research, industry and practice, identified as Charter Members. ICVP eventually aims for harmonization of professional and ethical standards in Veterinary Pathology practice on an international platform for the benefit of the society in general. Dr Lal Krishna was its founder President, Dr V.K. Gupta was first Secretary and Dr Anilkumar, Chairman Examination Committee. Dr T.V. Anilkumar and Dr V.K. Gupta played a key role in formulation of its constitution and establishing ICVP. Till 2023, ICVP is having 84 qualified diplomats. Presently, Dr V.M. Shingatgeri is President, Dr Amarjit Singh is Vice President and Dr R.V.S. Pawaiya is Secretary of ICVP.

### Summary of Major Achievements of IAVP

1. Indian Association of Veterinary Pathologists (IAVP) is one of premier scientific society of Veterinary Science in India in specific discipline of Veterinary Pathology with moto of contribute and consolidate (as depicted in IAVP logo) in its discipline. The main objectives of the association are advancement and dissemination of knowledge of Veterinary Pathology.
2. IAVP has provided such a national forum where Veterinary Pathologists from each part of country are meeting regularly frequently and interacting with each other and in turn resulting in very strong cooperation and national integration. IAVP social media forums have also promoted this strongly.
3. So far IAVP has organized 40 Annual National/International Conferences and around two dozen Zonal Conferences in different parts of country and professional scientific information were exchanged amongst fellow Veterinary Pathologists.

4. It published 48 volumes of The Indian Journal of Veterinary Pathology and 12 volumes of newsletter The Lesion. Journal published researches in pathology and pathogenesis and animal diseases conducted in different parts of country which helped in control of dreaded animal diseases.
5. IAVP is having around 1500 life members who are participating regularly in its scientific activities and getting benefits in their academic pursuits.
6. IAVP is maintaining an active website ([www.iavp.org](http://www.iavp.org)) which made significant contributions in dissemination of association related information to its members. Website was uploaded with revised IAVP constitution, modified awards, new proforma etc. in such a manner that its text can be used as reference and archival material. It was regularly updated with IVAP/ICVP conference news, proceedings, glimpses, appointments, award and honor news of members, superannuation profile and obituaries.
7. IAVP is awarding 8 categories of a total of 35 annual awards to its members. More than 50 percent awards are given to post graduate and doctoral students and young scientists who are getting benefits in their career advancement.
8. So far IAVP has awarded its Fellowship (FIAVP) to 64 eminent Veterinary Pathologists based on their contribution to the advancement of the Veterinary Pathology research and education.
9. IAVP was instrumental in establishing its affiliated body Indian College of Veterinary Pathologists (ICVP) an independent certification organization for personal accreditation of practicing Veterinary Pathologists. ICVP also aims for harmonization of professional and ethical standards in Veterinary Pathology practice on an international platform for the benefit of the society in general.
10. IAVP is instrumental in promoting primitive knowledge of Veterinary Pathology of 1970 decade of radio to present day era of artificial intelligence. In 1970s research and animal disease diagnosis was confined to clinical pathology, necropsy, pathogen isolation and histopathology while presently conventional gold standards (gross and histopathology), molecular techniques and immunohistochemistry is applied by every Indian Veterinary Pathologists. They have created respectful place in global scientific community.

## Conclusions

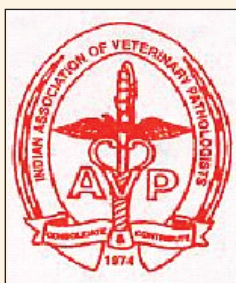
To conclude it may be re-emphasized that Veterinary Pathology is the back bone of modern Veterinary Science as regards understanding of pathogenesis of disease, research and its early diagnosis is concerned. IAVP which was established in 1974 under visionary leadership of Drs S. Damodaran, B.S. Rajya, P.K.R. Iyer and others at IVRI is continuously guiding professionals in befitting manner. The Indian Journal of Veterinary Pathology was started publishing in 1976 and since then it is serving profession without any break with quality research publications. ICVP was founded in 2008 at IVRI, Izatnagar with an aim for personal accreditation of practicing Veterinary Pathologists. It is producing new generation of perfectly trained and skilled diplomats. To conclude it may be stated that IAVP is growing fast and in right direction with innovative ideas. It is taking care to keep up interest of academia and industry. Steps are on to establish links with national and international sister professional organizations.

## Meeting with Veterinary Pathologists at AAU, Guwahati, Assam



Dr R. Somvanshi visited Assam Veterinary College, Guwahati in September, 2024 and met old colleagues Dr Taibur Rehman, Dr Abdul Mukit and Dr Chandan Rajkhowa (not in this image). Dr Rehman and Dr Mukit were his class mates in IVRI during 1970s. Dr Shushant Goswami, present HOD Pathology honoured Dr Somvanshi with traditional *Gamcha*. At this occasion all Pathology faculty was present including Dr Seema Rani Pegu, Sr Scientist, ICAR-NRCP, Rani, Guwahati, Assam.

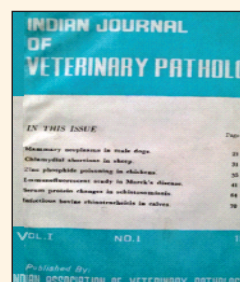
## Historical Pictorial Glimpses of IAVP



Old Logo of IAVP



New Logo of IAVP



First issue of IJVP, 1976



First Issue of The Lesion, 2009



**Prof. S. Damodaran**  
Founder Chairman,  
IAVP, 1974



**Dr B.S. Rajya** First  
President IAVP,  
1976-1979



**Prof. P.K.R. Iyer**  
First Vice President  
IAVP, 1980-1982  
and First Editor of  
IJVP, 1976



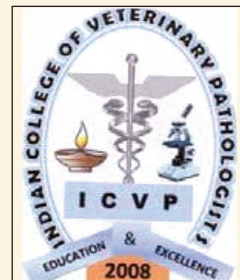
**Dr J.L. Vegad**  
Three Tenure IAVP  
President, 1997 -  
2003



**Dr M.Y. Mangrulkar**  
First Fellow  
IAVP, 1988



**Dr S.J. Sheshadri**  
First IAVP Conference  
Organizing  
Secretary, 1983



ICVP Logo, 2008



**Dr Lal Krishna**  
Founder President,  
ICVP, 2008

## IAVP Members and Veterinary Pathologists who served as Vice Chancellors



**Dr R.N.S. Gowda**  
Ex. Founder Vice  
Chancellor, KVASU,  
Bidar



**Dr C. Balachandran**  
Ex. Vice Chancellor.  
TANUVAS, Chennai



**Dr H.D.  
Narayanswamy**, Ex.  
Vice Chancellor,  
KVASU, Bidar



**Dr B.N. Tripathi**,  
Vice Chancellor  
SKUSAT - Jammu



## New Researches

## Piggyplex (D) Assay Kits for Diagnosis Swine Diseases

Scientists of ICAR-NRC on Pigs Rani, Guwahati, Assam developed two multiplexing PCR diagnostic kits Piggyplex (D) Assay Kits; first for diagnosis of Classical Swine Fever, Japanese Encephalitis and Porcine Respiratory and Reproductive Syndrome and another for African Swine Fever Virus, Porcine Cerco Virus-2 and Porcine Parvo Virus. Kits can simultaneously detect pathogens of these diseases in biological samples viz. blood and tissues. It is used in convenient and specific multiplexing PCR test. For details one may contact Dr Seema Rani Pegu, Senior Scientist (Veterinary Pathology). drseemapegu@yahoo.com Seema.Pegu@icar.gov.in



Dr Seema Rani Pegu, Senior Scientist (Veterinary Pathology), ICAR-NRC on Pigs, Rani, Guwahati, Assam with Piggyplex Kits

## Shrimp Aquaculture: Importance and Health Challenges

**Dr Ezhil Praveena**, MVSc, PhD, (Veterinary Pathology), is working as Principal Scientist at ICAR-Central Institute of Brackishwater Aquaculture, Chennai, Tamil Nadu and has 16 years of experience in field of crustacean and fish disease diagnosis (Aquatic Pathology) and mainly working on shrimp disease diagnosis. She has around 35 publications in reputed journals of aquaculture. She briefly talks about Shrimp Aquaculture: Importance and Health Challenges-Editor

Shrimp aquaculture is an important agriculture commodity and is a key part of India's aqua industry, which accounts for a significant portion of the overall aquaculture production. Shrimp farming contributes to food security by providing an affordable source of protein. It plays a significant role in India's economy, especially in the coastal regions and also in inland saline areas wherein the land is not suitable for cultivation. Shrimp farming contributes significantly to the overall seafood export revenue, with countries like the USA, Japan, and Europe being the primary markets. India being next to China, largest producers and exporter of farmed shrimp, particularly black tiger shrimp (*Penaeus monodon*) and whiteleg shrimp (*Penaeus vannamei*). Although most of the farmed shrimp is exported, a portion is consumed domestically. It drives economic growth, supports livelihoods, and boosts exports. While challenges related to environmental sustainability and disease management persist, the industry's growth prospects remain strong with evolving technologies and Government support. Shrimp disease diagnosis is a challenging task and histopathology remains a vital or gold standard in diagnosing various emerging diseases in farming systems. One such disease was Early Mortality Syndrome (EMS), also known as Acute Hepatopancreatic Necrosis Disease (AHPND), a devastating shrimp disease that has caused severe havoc globally in shrimp producing countries where significant economic loss in billion dollars were reported. Histopathology remained the sole diagnostic method for this disease for few years till molecular methods were discovered.



Whiteleg shrimp (*Penaeus vannamei*)

### Shrimp vs Prawns

Shrimp and prawns are completely different creatures. They are crustaceans that are often used interchangeably in cooking, fishing, and farming. Both are decapods which means they have external skeletons and 10 legs. However, they have several differences, including size. Prawns are usually larger than shrimp, with a good rule of thumb being that if the seafood is less than four inches long, it's likely a shrimp. In India and many countries "prawn" is the blanket term used to refer to both true prawns and shrimps.

**-Dr Ezhil Praveena**, Principal Scientist, Aquatic Animal Health and Environment Division, ICAR-Central Institute of Brackishwater Aquaculture, Chennai, Tamil Nadu 600 028 Email: ezhilpraveena@gmail.com

## Appointments

### Dr Ch. Srilatha joins as Director of Research at Sri Venkateswara Veterinary University, Tirupati

**Dr Ch. Srilatha**, PhD, FIAVP, FNAS, assumed the charge of Director of Research at Sri Venkateswara Veterinary University, Tirupati, Andhra Pradesh on May 30th, 2024. With over 31 years of service, she has held various positions including Poultry Pathologist, Professor and University Head. Dr Srilatha has received numerous accolades, such as the State Best Teacher Award, Best Teacher Award from the Senior Veterinary Association, IAVP-Dr B.L. Purohit Memorial Toxicopathologist Award, Fellowship of the Indian Association of Veterinary Pathology, and the National Academy of Veterinary Sciences. She has received several awards for her poster and oral presentations at various conferences. As Principal Investigator, she led a DBT project on identifying and evaluating novel biomarkers for diagnosing bovine uterine neoplasia and carried out several state projects as Principal and Co-Principal Investigator. She has guided 20 MVSc and 5 PhD students and published over 150 articles in National and International peer-reviewed journals. Additionally, Dr Srilatha has organized National, South Zone, and State-Level Conferences, an ICAR Winter School, and various workshops on different themes. Dr Ch. Srilatha has strengthened the Veterinary Pathology Museum at Tirupati, earning appreciation and recognition from the pathology community across India, which even led to a documentary being featured on the Parliament Channel. **IAVP wishes Dr Srilatha for great success in her new assignment.**



### Dr Desh Deepak Singh joins as Professor of Veterinary Pathology at DUVASU, Mathura

**Dr Desh Deepak Singh** is Veterinary Graduate and Post Graduate in Veterinary Pathology from College of Veterinary and Animal Sciences, Govind Ballabh Pant University of Agriculture and Technology, Pantnagar, Uttarakhand in 2001 and 2003, respectively. He was awarded Outstanding PG Student Award by GBPUA&T, Pantnagar in 2003. He visited Istanbul, Turkey to present research paper in World Poultry Congress, 2004. He joined as Assistant Professor, Department of Veterinary Pathology, College of Veterinary Sciences & Animal Husbandry, Acharya Narendra Dev University of Agriculture & Technology, Kumarganj, Ayodhya, UP in 2004. He completed his PhD degree as in-service candidate from UP Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go Anusandhan Sansthan, Mathura, UP and promoted as Associate Professor in ANDUA&T, Kumarganj, Ayodhya. Prof. Singh was selected as Professor of Veterinary Pathology (DUVASU) and presently working as Professor & Head, Department of Veterinary Pathology, DUVASU, Mathura. He is having more than 20 years' experience of teaching undergraduate and postgraduate courses of Veterinary Pathology along with rich experience of disease diagnosis, research and extension. He has published more than 53 original research papers in referred journals, 04 books, 04 laboratory manuals for under graduate students, 02 manuals for Veterinary Officers, 08 review articles, 10 book chapters and 53 technical/popular articles. He was awarded Young Scientist Award and Prakash Best Poster Award by Society of Immunology and Immunopathology, Best Paper Presentation Award by Indian Society of Veterinary Anatomy, Best Poster Award by UP Chapter of Indian Society of Veterinary Surgery and Best Paper Award in National Conference held at ANDUA&T, Kumarganj, Ayodhya, UP. Prof. Singh is life member of Indian Association of Veterinary Pathologists since 2002; Society of Immunology and Immunopathology and Indian Association of Veterinary Public Health Specialists. **IAVP wishes Dr D.D. Singh for great success in his new assignment.**



**Reported By: Dr M. Saminathan, Scientist, CADRAD, ICAR-IVRI, Izatnagar, UP**

## Nobel Laureate Veterinary Pathologist

### Peter C. Doherty: The only veterinarian (Veterinary Pathologist) awarded with Nobel Prize (1996)

**Peter C. Doherty** (83), an Australian is till date the only veterinarian (Veterinary Pathologist) who was awarded with Nobel Prize in Physiology and Medicine for his landmark discoveries in the field of the specificity of the cell mediated immune response in 1996. He is a Veterinary Pathologist by profession and worked as a field veterinarian before starting his career as a research scientist. His contribution in understanding the specificity of the cell mediated immune defense involving the major histocompatibility complex was honored with the Nobel Prize of Physiology and Medicine in the year 1996.





## IAVP Activities

## Pictorial Glimpses of South Zonal IAVP Conference 2024 held at Veterinary College, Shivamogga, Karnataka during 26<sup>th</sup> to 27<sup>th</sup> September, 2024



Chief Guests and Guests of honour, Dr K.C. Veeranna, Vice Chancellor, KVAFSU, Bidar, Dr R.N. Sreenivas Gowda, Dr N. Prakash, Dr C. Balachandran, Dr Shivashar-anappa G. Yalagod, Dr Kavitha Rani B., and Dr Manjunatha S.S., Organizing Secretary releasing Compendium



Dr K.C. Veeranna, Vice Chancellor, KVAFSU, Bidar and Chief Guest addressing the delegates



Dr R.N. Sreenivas Gowda, Founder Vice Chancellor, KVAFSU, Bidar and Chief Guest addressing the delegates



Dr N. Prakash, Dean, Veterinary College, Shivamogga and President of Inaugural Ceremony giving Presidential remarks



Delegates of South Zonal IAVP Conference 2024 witnessing the Conference



Dr C. Balachandran, Former Vice Chancellor, TANUVAS, Chennai delivering Key note address

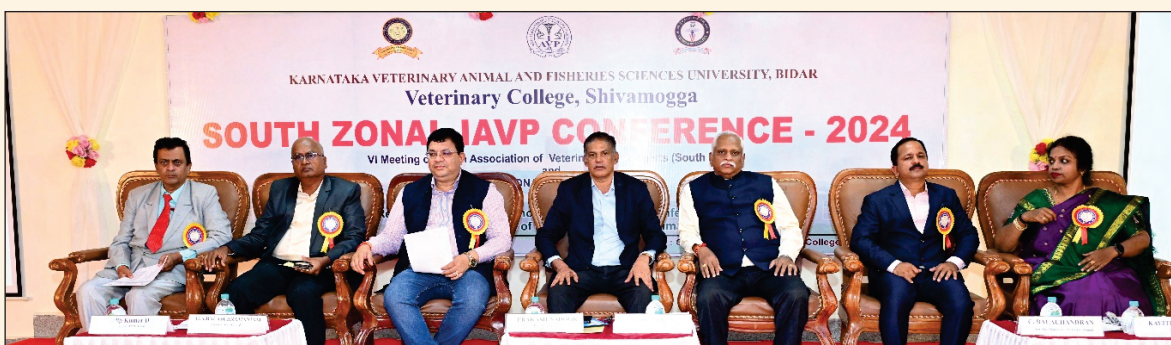




Dr Prasanna K.S., Associate Professor and Head, CoVAS, Mannuthy, Kerala delivering lead paper in Technical Session-1



Dr Kiran Ajjappa, DGM-Technical Service, Poultry Disease Diagnostic Laboratory, VHPL, Bengaluru presenting lead paper in Technical Session 3



Chief Guests, Dr G.A. Balasubramaniam, Secretary General IAVP, Dr Harish Naik, KAS, SLA Officer, BDA; President, Dr N. Prakash, Dean, Veterinary College, Shivamogga; Guests of Honour, Dr C. Balachandran, Former Vice Chancellor, TANUVAS, Chennai, Dr Dillep Kumar D., DI (PGS), KVAFSU, Bidar, Dr Kavitha Rani B., Chairman Organizing Committee and Dr Manjunatha S.S., Organizing Secretary present in Valedictory function



Dr G.A. Balasubramaniam, Secretary General, IAVP and Chief Guest addressing delegates in Valedictory Programme



Dr Harish Naik, KAS, Special Land Acquisition Officer, BDA, Bengaluru, Karnataka and Chief Guest addressing delegates in Valedictory Programme



Dr Dillep Kumar D., DI(PGS), KVAFSU, Bidar and Guest of Honour addressing the delegates in Valedictory Programme



Dr Manjunatha S.S., Organizing Secretary of SZIAVP-2024 presenting Conference Report in Valedictory Programme





Dr Thejaswini B., PG Scholar from Department of Veterinary Pathology, Veterinary College, Shivamogga receiving First Best Poster Presentation award from the Chief Guest



Dr Kavitha Rani B., Chairman of SZIAVP-2024 delivering Vote of Thanks in Valedictory Programme

**-Prepared By-Dr Manjunatha S.S., Organizing Secretary, South Zonal IAVP Conference, 2024, Veterinary College, Shivamogga, Karnataka and edited by Dr R. Somvanshi, Web Manager, IAVP**

## Pictorial Glimpses of IAVP West Zonal Conference and National Workshop of ICVP held at Krantisinh Nana Patil College of Veterinary Science, Shirwal, Dist-Satara, MS during 3-4th June, 2024



Chief Guest, Dr Guido R. Loria, Palermo, Italy; President, Dr Niteen V. Patil, Vice Chancellor, MAFSU, Nagpur; Guests of Honour, Dr N.V. Kurkure, Director of Research, MAFSU, Nagpur, Dr V.M. Shingatgeri, President, ICVP, Dr G.A. Balasubramaniam, Secretary General, IAVP; Chairman Organizing Committee Dr M.D. Meshram, Associate Dean and Organizing Secretary Dr V.S. Dhaygude and participants present in Conference



Chief Guest and aforementioned dignitaries releasing Compendium



Lead speakers and participants present in Zonal Conference





Address by President, ICPV Dr V.M. Shingatgeri



Address by Secretary General IAVP, Dr G.A.



Dr A.S. Ranade, Former Associate Dean, KNPCVS, Shirwal and MVC, Mumbai delivering his talk on poultry industry



Dr Samir Rawal, Kamdhenu University, S.K. Nagar, Palanpur, Gujarat presenting lead paper



Chief Guest, Dr Guido R. Loria, Lead, WOAHP Reference Lab for Contagious Agalactia, IZS, Palermo, Italy presenting his paper



Dr K.S. Prajapati, Former Professor and Head, Department of Veterinary Pathology, AAU, Anand presenting his lead paper



Dr V.K. Gupta, HPKV, Palampur, HP presenting lead paper during ICPV workshop



Dr V.S. Dhaygude, Organizing Secretary giving Vote of Thanks

Prepared By: Dr V.S. Dhaygude, Organizing Secretary and edited by Dr R. Somvanshi, Web Manager, IAVP





## Superannuation's

**President, IAVP Dr B.N. Tripathi Superannuates in June, 2024**

**Dr B.N. Tripathi**, Vice-Chancellor, Sher-e-Kashmir University of Agricultural Sciences and Technology, Jammu, former Deputy Director General (Animal Science), ICAR, New Delhi and President, Indian Association of Veterinary Pathologists is very eminent Veterinary Pathologist, researcher, academician and able administrator. He was born in UP on 20th July, 1962 and graduated from Veterinary College, Mathura, CSA University of Agriculture and Technology, Kanpur (UP), (now DUVASU) in 1984 and obtained MVSc and PhD degrees in Veterinary Pathology from Indian Veterinary Research Institute, Izatnagar, UP in 1987 and 1990, respectively. He joined ICAR services in 1990 as Scientist (ARS) and also served as Principal Scientist at IVRI and ICAR-NRCE, Hisar till 2008. He was elevated as Head of Animal Health Division, Central Sheep and Wool Research Institute, Avikanagar, Rajasthan (2009-2012); Director, CCS-National Institute of Animal Health, Govt. of India, Ministry of Agriculture and Family Welfare, Department of Animal Husbandry, Dairying and Fisheries, Baghpat, UP (2012-2014); Director, ICAR-National Research Centre on Equines (2014-2020) and Deputy Director General (Animal Science), ICAR, New Delhi (2020-2023). During 1998-1999 he got opportunity to serve as Postdoctoral Fellow at Institute of Animal Health, Compton, UK and Visiting Scientist at Moredun Research Institute, Edinburgh (2003-04) and availed International Wellcome Trust Travel Fellowship, (2003-2004). He was awarded International Travel Grants from Indian National Science Academy (INSA) (2005); Department of Science and Technology, Govt of India (2005 and 2012) and Asian-African Society of Mycobacteriology (2018).



Dr Tripathi has vast professional experience of over 34 years of including 15 years of administration. He has published 200 original research papers in high impact journals, authored 5 books, prepared 4 manuals, contributed 5 technical bulletins, 3 policy papers, two National Action Plan (Disease Control), 20 technologies (Diagnostics and Vaccines), 10 patents (granted/applied), 20 diagnostic and 4 vaccine technologies including Ancovax and Lumpi-ProVac vaccines, over 200 NCBI Accessions etc. He has guided 16 PG and PhD Students at IVRI, Izatnagar. Dr Tripathi is recipient of more than dozen prestigious awards viz; Sardar Patel Outstanding ICAR Institute Award, 2015 for ICAR-NRCE, Hisar; Deemed University Best Teacher Award ICAR-IVRI; IAVP-Drs N.C. Jain and J.L. Vegad Outstanding Pathologist Award; 2006; IAVP-Best Research Paper Awards published in IJVP 2003 and 2005; IAVP-Prof. Rama Rao Best PhD Thesis Award for three students, 2006 and 2013; Dr S.K. Talpatra Oration Award 2023, Dr C.M. Singh Samman, Dr C.M. Singh Oration Lecture, 2020, Dr N.N. Dastur Oration Award etc. He has visited a number of countries for academic, research and as Govt. of India representative. He acted as member of Indian delegation for OIE, WHO, SAARC, ASEAN, BIMSTEC meetings in India and abroad. He acted as National Coordinator of Animal Genetic Resources in India and Vice-Chair (Asian Region) and Rapporteur for 12th Inter-Governmental Technical Working Group (12th ITWC), FAO, Rome. His distinguished contributions rewarded him with coveted Fellowship of Royal College of Pathologists (FRC Path), London, UK; National Academy of Agricultural Sciences (FNAAS), National Academy of Veterinary Sciences (FNAVS), National Academy of Dairy Sciences (NADSi), Indian Association of Veterinary Pathologists (IAVP), Society for Immunology and Immunopathology (FSIIP), Indian Society for Veterinary Immunology and Biotechnology (FISVIB); FIAAVR and Diplomat and Charter Member of Indian College of Veterinary Pathologists (ICVP).

His professional excellence made him Chief Editor of The Indian Journal of Animal Science, Chief Editor of Indian Journal of Veterinary Pathology and IAVP Newsletter The Lesion (2006-2011); Secretary General, IAVP (2013-2016); Secretary, ICVP (2012-2014); Member Task Force DBT, (2017-2018); Member of Board of Management (BOM), LUVAS, Hisar (2014-2017); GADVASU (2015-2018 and 2019-22); SKUAST-Kashmir (2021-continues); Member of International Delegation from ICAR for various meetings of BRICS, BIMSTEC, SAARC, ASEAN, FAO, WHO and OIE and at present holding the post of President, Indian Association of Veterinary Pathologists (2019-2025). He has successfully discharged his professional duties and superannuated from the ICAR services on 31 July, 2024. **The Indian Association of Veterinary Pathologists wishes him a healthy, happy peaceful and purposeful life.**

## Vice President, IAVP Dr K.P. Singh Superannuates in June, 2024

**Dr K.P. Singh**, Joint Director, CADRAD and ICAR Emeritus Scientist, ICAR-IVRI, Izatnagar is an eminent Veterinary Pathologist, and animal disease diagnostian, He did his graduation in veterinary science from Veterinary College, Mathura in 1984, Master and Doctorate degree in Veterinary Pathology from Deemed University, ICAR-IVRI, Izatnagar in 1987 and 1990, respectively. He joined Agricultural Research Services as Scientist in 1990 at ICAR-IVRI, Izatnagar. Became Senior Scientist in 1999 and Principal Scientist in 2007. He served as Head, Division of Pathology, during January, 2019-February 2021. He has undergone foreign assignments like visiting Scientist at Institute for Animal Health, Compton, UK (1996); Wellcome Trust Fellow at Institute for Animal Health, Pirbright, UK (2002-2004) and Expert Pathologist at Veterinary Research Centre, Muscat, Oman (2008-2009). Beside these, he presented research papers in International Conferences and visited countries like-United Kingdom, Italy, France, Netherland and Oman. He extensively worked on immuno-pathology and molecular epidemiology of rabies and bluetongue. He submitted more than 150 gene sequences to international gene databank. Dr Singh received several honours and awards viz. IAVP-Young Scientist Award (1993, 2007, 2016, 2019, 2022 and 2023), Fellow, National Academy of Veterinary Sciences (FNAVS), Fellow, Indian Association of Veterinary Pathologists (FIAVP), Fellow, Society for Immunology and Immunopathology (FSIIP) and Diplomate, Indian College of Veterinary Pathologists (Dip ICVP). He published 278 research papers in various journals of national and international repute, presented more than 150 research papers in various conferences/symposium and delivered more than 100 invited lectures in various scientific forums/trainings. He is life member of scientific societies including IAVP and SIIP. He is actively involved in research, animal disease diagnosis, postgraduate teaching and guided 10 MVSc and 13 PhD students. He was associated with teaching of Veterinary Pathology courses for PG students from 1996-2023 and UG since 2016. He attended more than 125 animal disease outbreaks in the field and provided suitable control advices to livestock owners.



Dr Singh contributed significantly in various Institutional building/ professional activities viz: Hostel Warden (2012-2014), Chief Hostel Warden (2013-2021), Co-ordinator Human Hospital, (2020-2024), Convener, Broad Subject Matter Area (BSMA) for PG uniform syllabus of Veterinary Para-Clinical Subjects (2018- 2019), Convener, Revision of ICAR Agricultural Research Services (ARS) Entrance Examination Syllabus (2022), Organizing Secretary, Veterinary Pathology Congress, 2023 and National Symposium on Advances in Veterinary Pathology for Diagnosis and control of Emerging Diseases of Livestock and Poultry at ICAR-IVRI, Izatnagar; Course Director, ICAR Sponsored Winter School entitled "Advances in livestock disease diagnosis using clinico-pathological and molecular techniques during" at Division of Pathology, ICAR-IVRI, Izatnagar (2019); Organizing Secretary, National Congress on Wildlife Health and Annual Convention of Association of India Zoo and Wildlife Veterinarians (AIZWV) at ICAR-IVRI, Izatnagar (2017); Vice President, Indian Association of Veterinary Pathologists (2022-2025), Chief Editor (2012-2014), Managing Editor (2014-2017), Editor (2010-2011) of Indian Journal of Veterinary Pathology, Secretary General, Indian Association of Veterinary Pathologists (2017- 2022); General Secretary, Association of Indian Zoo and Wildlife Veterinarians (AIZW) (2008-2017) and Treasurer, Indian Association of Veterinary Pathologists (2006-2008). He handled 28 research projects as PI and Co-PI, the important one was Indo-UK, DBT-BBSRC project on "Development of diagnostic systems, reference collections and molecular epidemiology studies for important arboviral pathogens of livestock in India" and ICAR-All India Network Programme on Bluetongue (AINP-BT). ICAR-All India Network Project on "Challenging and emerging diseases of animals, All India Network Programme on "One health approach to zoonotic diseases", NCDC "National one health program for prevention and control of zoonoses (NOHPPCZ)" DBT "Establishment of the consortium for One Health to address zoonotic and transboundary diseases in India, including the Northeast region". He has joined ICAR-Emeritus Scientist and working on animal rabies. **Indian Association of Veterinary Pathologists wishes Dr K.P. Singh, a very happy, healthy, peaceful and active post-retirement life ahead.**



## Groundbreaking Discovery in microRNA

## 2024 Nobel Prize in Physiology or Medicine jointly awarded to Victor Ambros and Gary Ruvkun of US for the discovery of microRNA

The Nobel Assembly at Karolinska Institute, Stockholm, Sweden has declared the 2024 Nobel Prize in Physiology or Medicine jointly to Victor Ambros and Gary Ruvkun of US for the discovery of microRNA and its role in post-transcriptional gene regulation. This year's Nobel Prize honours two scientists for their discovery of a fundamental principle governing how gene activity is regulated. The information stored within our chromosomes can be likened to an instruction manual for all cells in our body. Every cell contains the same chromosomes, so every cell contains exactly the same set of genes and exactly the same set of instructions. Yet, different cell types, such as muscle and nerve cells, have very distinct characteristics. How do these differences arise? The answer lies in gene regulation, which allows each cell to select only the relevant instructions. This ensures that only the correct set of genes is active in each cell type. Victor Ambros and Gary Ruvkun were interested in how different cell types develop. They discovered microRNA, a new class of tiny RNA molecules that play a crucial role in gene regulation. Their groundbreaking discovery revealed a completely new principle of gene regulation that turned out to be essential for multicellular organisms, including humans. It is now known that the human genome codes for over one thousand microRNAs. Their surprising discovery revealed an entirely new dimension to gene regulation. MicroRNAs are proving to be fundamentally important for how organisms develop and function.



Victor Ambros and Gary Ruvkun

**Victor Ambros** was born in 1953 in Hanover, New Hampshire, USA. He received his PhD from Massachusetts Institute of Technology (MIT), Cambridge, MA, in 1979 where he also did postdoctoral research 1979-1985. He became a Principal Investigator at Harvard University, Cambridge, MA in 1985. He was Professor at Dartmouth Medical School from 1992-2007 and he is now Silverman Professor of Natural Science at the University of Massachusetts Medical School, Worcester, MA.

**Gary Ruvkun** was born in Berkeley, California, USA in 1952. He received his PhD from Harvard University in 1982. He was a postdoctoral fellow at Massachusetts Institute of Technology (MIT), Cambridge, MA, 1982-1985. He became a Principal Investigator at Massachusetts General Hospital and Harvard Medical School in 1985, where he is now Professor of Genetics.

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