

## Bipra Charan Patnayak (B.C. Patnayak)



0417. Veterinary and Animal Science Research Foundation (VASREF) is pleased to confer the award of Fellow of Veterinary and Animal Science (FVASc) to Dr. B. C. Patnayak, Ex-Director, Central Sheep and Wool Research Institute (CSWRI) of Indian Council of Agricultural Research (ICAR) in recognition of his momentous contribution to veterinary and animal science.

**Antecedent:** Dr Patnayak was born on 17 November 1935, in Bhalliakhai village in Bhanja Nagar sub-division of Ganjam District in Odisha, which is the habitat of Ghumsari breed of draft cattle.

**Academic accomplishments:** Dr Patnayak completed graduation (B.V.Sc.) from Osmania University, Hyderabad in 1958, and was awarded Gold Medal for securing first rank in first division in III B.V.Sc. examination (1957). He completed post-graduation (M.S.) in Animal Nutrition and Physiology in 1966, and Doctor of Philosophy (Ph. D.) in 1968 from University of Maryland, College Park, U.S.A. He was Post-Doctoral Research Associate in Physiology at the University of Missouri Medical School, Columbia, Missouri, during 1968-71.

**Service particulars:** Dr Patnayak had held various positions such as veterinary Assistant surgeon, Instructor, Research Assistant, Research Associate during his long service career, and joined the Indian Council of Agricultural Research (I.C.A.R.) on return from U.S.A. with higher qualification, as Principal Scientist & Head, Division of Nutrition, Physiology & Biochemistry at Central Sheep & Wool Research Institute (CSWRI), Avikanagar, Rajasthan (1977-82). He was the Head, Division of Carpet Wool and Karakul Pelt production, Arid zone campus of CSWRI, Bikaner (1983-85), and Director, CSWRI, Avikanagar, Rajasthan (1990-95). He was Jt. Director in Sheep & Wool Department of Govt. of Rajasthan on deputation (1976-77).

**Scientific achievements:** He was the Principal Investigator of 'Nutritive evaluation of indigenous feeds, fodders and pastures for sheep production and evolving cheap supplemental rations involving leaf-meal and agro-industrial by-products', 'Nutritional requirement of native and crossbred sheep', and 'Evolving sheep and goat farming systems suitable to the land pattern of the arid region'. He had established the Asian Small Ruminant Information Centre (ASRIC) at CSWRI, Avikanagar, under the aegis of International Development Research Centre (IDRC), Canada.

His pioneering research work on the evaluation of top feeds revealed that *Ardu (Ailanthus excelsa)* tree leaves was highly palatable, and was the most nutritive among the top feeds of arid and semi-arid regions of India, with high protein (DCP: 8%) and energy (TDN: 60%) contents. His research work on evaluation of economic rations, formulated with different combinations of *Ardu (Ailanthus excelsa)*, *Pala (Ziziphus nummularia)* leaf meals along with agro-industrial by-products (Wheat Bran/ Rice Bran/ Sorghum Straw etc.) revealed that the formulated rations were economically more rewarding than the commercial rations.

**Publications:** Dr. Patnayak has published 200 research papers in national and international research journals, and conference proceedings. Besides, he had participated in many seminars, symposia, and conferences as Chairman/ Co-Chairman.

He had been to Philippines to participate in the International Workshop on Sheep Production in Asia in April 1988. He had been to Indonesia to participate in the 1<sup>st</sup> annual SRUPNA workshop in July 1991.

**Research guidance:** Dr. Patnayak was the recognised Guide/ Examiner of M.Sc. / M.V.Sc. & Ph. D. Students of Haryana Agricultural University, Rajasthan Agricultural University, Punjab University and Agra University, and has guided two MVSc and two PhD students.

**Professional Honours & Awards:** Dr Patnayak was honoured with the award 'Fellow of the National Academy of Veterinary Science of India', 'Fellow of Indian Society of Sheep and Goat Production and Utilization', 'Life time achievement award of Animal Nutrition Society of India', and Roll Call of Honour by the Orissa Livestock Development Society'.

**Professional Assignments & Associations:** Dr Patnayak was deputed to PDR-Yemen under India-PDR-Yemen Protocol Exchange Program in June 1981. He had been to Bulgaria under Indo-Bulgarian Protocol Exchange Program in May 1988.

Dr Patnayak was the President of Indian Society of Sheep and Goat Production and Utilization. He was the Vice-President of Animal Nutrition Society of India. He has served as member of several scientific committees, viz., Scientific Panel on Animal Nutrition and Physiology of ICAR, ICAR Technical committee on nutrient requirements of livestock, ISI Technical committee on animal feeds, Research Advisory Committee and Quinquennial Review Team of Central Sheep and Wool Research Institute (CSWRI), Central Institute for Research on Goats (CIRG), National Research Centre on Camel (NRCC), and National Research Centre on Meat (NRCM).

He is the Patron of Orissa Environment Society. He is consultant for Orissa University of Agriculture and Technology (OUAT) for Livestock Farm Development and Research Project Development in Veterinary and Animal Sciences. He is the consultant for Indo-Swiss Project and DANIDA project of Animal Resource Development Department of Govt. of Odisha.

Dr Patnayak retired from ICAR service on superannuation on 30 November 1995, and has settled at Bhubaneswar. We wish him happy, hearty, and healthy life with this prayer.

ॐ सर्वेशां स्वस्तिर्भवतु । सर्वेशां शान्तिर्भवतु ।

सर्वेशां पुर्णभवतु । सर्वेशां मङ्गलंभवतु ॥

*Om Sarvesham Swastir Bhavatu | Sarvesham Shantir Bhavatu |  
Savresham Purnam Bhavatu | Sarvesham Mangalam Bhavatu ||*

May there be prosperity in all | May there be peace in all |

May there be perfection in all | May there be progress in all ||

*(Bṛhadāraṇyaka Upanishad)*

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