



## Curriculum vitae – Knud Erik Bach Knudsen

### Personal data

Knud Erik Bach Knudsen. Fyrrevej 14, 8830 Tjele; born 10.06.1952

### Position

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| 2011      | Professor in Basic Nutrition, Department of Animal Science, Aarhus University.   |
| 2022-2024 | Head of Research Unit, Aarhus University, Dept. of Animal and Veterinary Sciences.   |
| 1998-2019 | Head of Research Unit, Aarhus University, Department of Animal Science.  |
| 2008-2013 | Deputy Head, Aarhus University, Department of Animal Health, Welfare and Nutrition.  |
| 2007-2017 | Adjunct Professor, Department of Animal and Veterinary Basic Sciences, Faculty of Medicine and Health, University of Copenhagen. |
| 2000-2005 | Research professor, Danish Institute of Agricultural Sciences, Dept. of Animal Nutrition and Physiology.                         |
| 1992-1998 | Senior scientist, Danish Institute of Agricultural Sciences, Dept. of Animal Nutrition and Physiology.                           |
| 1986-1991 | Research scientist, National Institute of Animal Science, Dept. of Animal Physiology and Biochemistry                            |
| 1983-1986 | Senior researcher, Royal Veterinary and Agricultural University, Dept. of Animal Physiology                                      |
| 1980-1983 | Researcher, Carlsberg Research Laboratory, Dept. of Biotechnology  |

### Research profile

I am working on projects related to analytical, nutritional and health aspects of carbohydrates and phytochemicals. The work has included development of analytical methods for the determination of carbohydrates in feeds, foods and digesta materials, characterisation of carbohydrates in a wide variety of feedstuffs, studies on nutritional and physiological properties of carbohydrates in non-ruminant species, and investigations of the role of carbohydrates in prevention of digestive disturbances and establishment of parasites in pigs. I have also been involved in cross-species projects focusing on nutrition and health properties of carbohydrates and phytochemicals in human subjects.

### Research leadership profile

I have been Head of Research Units in the period of 1998-2019, again from 2022-2024 and Deputy Head of the Department of Animal Health, Welfare and Nutrition 2008-2013. During that time, I was part of the department management group, responsible for the unit's research strategy, unit's economy, facilitate internal and external collaboration, employment of new staff, contact to staff, and staff competence development.

### Education

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| 1980 | PhD (Lic. agro.), Royal Veterinary and Agricultural University, Copenhagen.            |
| 1977 | MSc in agronomy (Nutrition), Royal Veterinary and Agricultural University, Copenhagen. |

### Studies abroad

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| 1987-1988 | Visiting scientist, USDA-Human Nutrition Research Center, Nutrient Composition Laboratory, Beltsville, Maryland, USA. |
| 1984-1984 | Visiting scientist, Swedish Agricultural University, Uppsala, Sweden.   |

### Publication records

ORCID: 0000-0001-8345-9236.

Publications in peer-reviewed journals 303.

Book chapters: 20.

Articles in Proceedings: 57.

Abstracts: 138.

Others: 73.

Citations in web-of-science, >12,050, H-index, 59.

Citations in Google Scholar: >20,850, H-index, 79.