

BIODATA



Name: **Dr. Sudesh Rani**

Designation: **Associate Professor**

Department of Zoology

Maharshi Dayanand University, Rohtak

Research area: **Animal Behaviour and Pathology**

Educational qualifications

Degree	Year of passing	University/Institution
Ph.D	2007	CCSHAU, Hisar
PG	2004	CCSHAU, Hisar
UG	2001	KUK

Career Profile

Designation	Institution	Duration	
		From	To
Associate Professor	M.D. University, Rohtak	2008	till date

Research advisory.

No. of students supervised /enrolled	Ph.D.		MSc.
	03 degree awarded 04 registered		

Projects undertaken

Effect of replacement of fish meal in commercial aquafeeds by soybean on growth and metabolism of most valuable fresh water cultivated fish species (Major project)
3 years UGC, New Delhi **Completed**

Minor projects(2) 1 year each RK Fund, MDU **completed**

- ✓ **Participation in National/International workshop/seminar/conferences=60**
- ✓ **Paper presented in National/International workshop/seminar/conferences=40**
- ✓ **Act as Member of Institutional Animals Ethics Committee (IAEC) , MDU Rohtak**
- ✓ **Curriculum Development**
UG (General and Hons.)
PG curriculum development
- ✓ **Act as Joint Organizing Secretary/ Joint Organizing Secretary of National Seminars organized by Department of Zoology from 2010-2021**
- ✓ **Appointed IQAC officer at Deptt. level 2010-2015**
- ✓ **Member of UG/PG BOS**
- ✓ **Member of Faculty of Life sciences**

- ✓ **Member of Eve-teasing at departmental level**
- ✓ **Member of anti-ragging committee**
- ✓ **Member of admission committee for MSc. and PhD.**
- ✓ **Act as reviewer in Journals'**
- ✓ **DLC-Coordinator at Departmental level**

Research papers published in Indexed & Referred/UGC /Scopus list Journals

Sudesh Rani, S.K. Garg, V.P. Sabhlok and Anita Bhatnagar 2004. Intestinal enzyme activity and enzyme producing microbial flora in relation to feeding behaviour in some brackishwater Teleosts. *J Aquaculture*, volume 12: 55-68.

Sourindra Nath Jana, **Sudesh**, Sudhir Krishan Garg, Vinod Pal Sabhlok & Anita Bhatnagar 2012. Nutritive evaluation of lysine- and methionine-supplemented raw vs heat-processed soybean to replace fishmeal as a dietary protein source for grey mullet, *Mugil cephalus*, and milkfish, *Chanos chanos*. *Journal of Applied Aquaculture*, 24:1, 69-80

Sudesh Rani 2014. Nutritive evaluation of supplemented raw vs heat processed soybean to replace fishmeal as a dietary protein source for *Cirrhinus mrigala*, mrigal *Cibtech Journal of Zoology ISSN: 2319-3883, Vol. 3 (1), pp.49-54*

Sudesh Rani and V.P. Sabhlok 2014. Effect of pinealectomy on plasma Na⁺, K⁺ and Ca⁺² in catfish *Clarias batrachus* under different salinity. *Indian Journal of Fundamental and Applied Life Sciences ISSN: 2231-6345, Vol. 4 (2), pp.67-69*

Sudesh Rani and V.P. Sabhlok 2014. Effect of melatonin administration on growth and metabolism of catfish *clarias batrachus* under different photoperiods. *Journal of international academic research for multidisciplinary*. Impact factor 1.393, ISSN: 2320-5083, volume 2, pp 627-635.

Sudesh Rani 2014. Fish meal replacement by soybean meals in extruded feeds for *carassius auratus*, common goldfish. *Journal of international academic research for multidisciplinary*. Impact factor 1.393, ISSN: 2320-5083, pp- 450-359.

Sudesh Rani and Manisha Kaushik 2014. Use of enzymes in detergent on intestinal enzyme activity in fish, *Cirrhinus mrigala*, mrigal. *Indian Journal of Fundamental and Applied Life Sciences ISSN: 2231-6345. pp.107-109*

Sudesh Rani 2014. Isolation and characterization of enzymes producing microbial flora from gastro intestinal tract of freshwater fish *cirrhinus mrigala* in response to different diets. *Journal of international academic research for multidisciplinary*. Impact factor 1.625, ISSN: 2320-5083, pp- 411-421

Sudesh Rani and Sanjna Gulia 2015. Growth of *cirrhinus mrigala* at different salinity levels. *Journal of international academic research for multidisciplinary*. Impact factor 1.625, ISSN: 2320-5083, pp- 224-229

Sudesh Rani 2015. Study of microbial flora and enzymes in the gut of *clarias batrachus* fed on soybean as protein source. *Journal of international academic research for multidisciplinary*. Impact Factor 2.417, ISSN: 2320-5083, pp- 240-250

Sudesh Rani 2015. Survival rate of catfish in response to water temperature. *Cibtech Journal of Zoology ISSN: 2319-3883, pp-12-14.*

Sudesh Rani 2015. Effect of processed diets on growth performance, feed utilization and excretory products (N-N_H⁴⁺ and o-P_O₄) in Indian catfish, *Clarias batrachus*. *Journal of international academic research for multidisciplinary*. Impact Factor 2.417, ISSN: 2320-5083, pp-137-145.

Sudesh Rani 2016. Effect of urea on soil macro fauna, juvenile earthworms. *Journal of international academic research for multidisciplinary*. Impact Factor 2.417, ISSN: 2320-5083, pp15-19

Sudesh Rani 2016. Effect of water temperature on respiratory rate of fish, *Cirrhinus mrigala*. *Indian Journal Of Fundamental And Applied Life Sciences* ISSN: 2231– 6345 Pp 13-15.

Priyanka Kohli and ***Sudesh Rani 2016**. Effect of surfactant on feeding rate of freshwater fish, *Labeo rohita*. *Indian journal of fundamental and applied life sciences* ISSN: 2231– 6345, pp 25-29.

Monika Rani and ***Sudesh Rani 2016**. Food preference in catfish, *Heteropneustes fossilis*. *Indian Journal of Fundamental and Applied Life Sciences* ISSN: 2231– 6345. PP 8-13

Poonam, **Sudesh Rani**, Manju Devi and Reeti Panchal **2017**. Effect of varying time of heat processed soybean diets on growth of *Cirrhinus mrigala* fry. *International Journal of Food, Agriculture and Veterinary Sciences* pp. 27-33 indexed/referred ISSN: 2277-209X,

Poonam and **Sudesh Rani 2017**. Intestinal enzyme activity in response to differentially heat processed soybean on *cirrhinus mrigala* fry. *International Journal of Food, Agriculture and Veterinary Sciences* pp. 56-65 indexed/referred ISSN: 2277-209X,

Sudesh Rani and Pooja Malik 2017. Effect of earthworms on productivity of wheat plants. *International Journal of Food, Agriculture and Veterinary Sciences* pp. 75-80 indexed/referred ISSN: 2277-209X,

Manju Devi, **Sudesh Rani**, Poonam and Reeti **2017**. Effect of alternate protein source soybean meal and sesame oil cake on growth performance and body composition of fresh water fish *Cirrhinus mrigala*. *International Journal of Zoology and Applied Biosciences*, pp 399-404 indexed/referred ISSN: 2455-9571

Reeti Panchal, **Sudesh Rani**, Poonam and Manju **2018**. A comparative study of growth, metabolism and digestive enzyme activities of pinealectomized and nonpinealectomized catfish (*Heteropneustes fossilis*). *International Journal of Zoology and Applied Biosciences*, Volume 3, Issue 2, pp: 239-244 indexed/referred ISSN: 2455-9571

Anshu Raj, Reeti Panchal and **Sudesh Rani 2018**. Histopathological changes in liver and kidney of catfish, *Clarias batrachus* exposed to aluminium. *International Journal of Zoology and Applied Biosciences*. Volume 3, Issue 2, pp: 220-223 indexed/referred ISSN: 2455-9571

Reeti Panchal and ***Sudesh Rani 2018**. Effect of pinealectomy and melatonin effect on gonadal development of catfish (*Heteropneustes fossilis*) during postspawning period. *International Journal of Zoology and Applied Biosciences* ISSN: 2455-9571, Volume 3, Issue 5, pp: 382-389, 2018

Anshu Raj, Reeti Panchal and **Sudesh Rani (2018)**. Histopathological changes in liver and kidney of catfish, *Clarias batrachus* exposed to aluminium. *International Journal of Zoology and Applied Biosciences*. Volume 3, Issue 2, pp: 220-223 Indexed and Referred, UGC listed

R. Panchal and **S. Rani (2019)**. Effect of melatonin and pinealectomy on gonadal activity during prespawning period of catfish (*Heteropneustes fossilis*). *J. Environ. Biol.*, 40, 698-704 Indexed/Referred, SCOPUS, UGC listed,

Manju Devi and **Sudesh Rani (2019)**. Plant protein soybean as substitute of fishmeal in practical diets for catfish *Clarias batrachus* (indian magur). *International Journal of Zoology and Applied Biosciences* Volume 4, Issue 3, pp: 113-116, Indexed & Referred

Preety Madan and **Sudesh Rani (2019)**. "Review: Health implications due to long-term use of pyrethroid based liquid mosquito repellent" International Journal of Scientific & Technology Research Vol 8, Issue 11, Indexed and referred, SCOPUS, UGC Listed

Reeti Panchal and **Sudesh Rani (2019)**. Effect of Pinealectomy and recovery treatment of Melatonin Dose on Vertebral Column of Catfish (*Heteropneustes fossilis*). International Journal of Scientific & Technology Research Vol 8, Issue 08, Indexed and referred, SCOPUS, UGC Listed

Manju Devi, Preety Madan, **Sudesh Rani (2020)**. Effect Of Cheap Plant Protein Diet On Growth & Digestive Enzyme Activity Of Gold Fish (*Carassius Auratus Auratus*) International Journal of Scientific & Technology Research Vol 9, Issue 01, Indexed and referred, SCOPUS, UGC Listed

Priyanka, Anshu Raj, Preety Madan, **Sudesh Rani (2020)**. Adverse Effects of Cypermethrin: A Review International Journal of Scientific & Technology Research Vol 9, Issue 04, Indexed and referred, SCOPUS, UGC Listed

Priyanka, Anshu R, Preety M and **Sudesh R (2020)**. Adverse Effects of Cypermethrin: A Review. International Journal of Scientific & Technology Research, , 9 (04), 2192-2196

Preety M, Saloni and **Sudesh R. (2021)**. Effect of transfluthrin and ocimum oil on blood components of albino rats, CIBTech Journal of Zoology, 10.46-51

Gulshan and **Sudesh R. (2021)**. Effect of Median Lethal Dose of Deltamethrin on Behavior and Memory of Female Albino Rats. CIBTech Journal of Zoology ISSN: 2319–3883, Vol.10, pp.58-63

Publications in National seminars /conferences=12