



National Bureau of Fish Genetic Resources

(Indian Council of Agricultural Research)

Canal Ring Road, Dilkusha PO, Lucknow-226002, India



Name Dr Uttam Kumar Sarkar

Designation Senior Scientist

Date of birth 07.02.1963

Professional experience 19 years

Qualification MSc (Zoology) with Fisheries specialization,
PhD (Fisheries Biology)



Current area of Research Endangered species, habitat biology and taxonomy

Area of Research Expertise

- Fish biodiversity assessment and exploration
- Biology and characterization of endangered fishes
- Habitat fingerprinting
- Ecosystem scaling
- Captive breeding
- Life history traits
- Stock assessment

Awards/ Recognitions Best scientist award of the Institute during 2009-10

Publication (no.)

- **Research papers** 45
- **Reviews** 1
- **Books** 5
- **Book Chapters** 14
- **Popular articles** 11
- **Others** 9

Important Research Publications

Sarkar U K, Gupta B K and Lakra W S 2010, Biodiversity, ecohydrology, threat status and conservation priority of the freshwater fishes of river Gomti, a tributary of river Ganga (India). Environmentalist. **30 (1)**: 3-17.

Sarkar U K and Lakra W S 2010, Life history traits of freshwater fish population and implications on aquatic biodiversity conservation: a review. Indian Journal of Animal Sciences **80(4)** (Suppl.1): 85- 97.

Lakra W S, **Sarkar U K**, Kumar R S, Pandey A, Dubey V K, Gusain O P 2010 Fish diversity, habitat ecology and their conservation and management issues of a tropical River in Ganga basin, India. Environmentalist, DOI 10.1007/s10669-010-9277-6

Pandey A, Dubey V K, Kumar R S, **Sarkar U K** and Lakra S W 2010, New record of

Glyptothorax brevipinnis (Hora, 1923) (Pisces, Siluriformes, Sisoridae) in the River Ken, Central India. Journal of Applied Ichthyology. doi: 10.1111/j.1439-0426.2010.01590.x

Sani R, Gupta B K, **Sarkar U K**, Pandey A., Dubey V K and Lakra W S 2010, Length–weight relationships of 14 Indian freshwater fish species from River Betwa (tributary of River Yamuna) and Gomti (tributary of River Ganga). Journal of Applied Ichthyology. **26**: 456-459.

Sarkar U K, Deepak P K , Negi R S and Lakra W S 2009, Captive breeding of a Gangetic leaf fish *Nandus nandus*(Hamilton-Buchanan) with three commercial GnRH preparations. Journal of Applied Aquaculture. **21**: 263- 272.

Sarkar U K, Negi R S , Deepak P K, Lakra W S and Paul S K 2008, Biological parameters of endangered *Chitala chitala* (Osteoglossiformes: Notopteridae) from some Indian rivers. Fisheries Research. **90**: 170- 177.

Deepak P K, **Sarkar U K** and Negi R S 2008, Age and growth profile of Indian Major Carp *Catla catla* from rivers of Northern India. Acta Zoologica Sinica. **54(1)**: 136- 143.

Sarkar U K, Pathak A K, Lakra W S 2008, Conservation of freshwater fish resources of India: New approaches, assessment and challenges. Biodiversity and Conservation. **17**: 2495 – 2511.

Sarkar U K and Bain M B 2007, Priority habitats for the conservation of large river fish in the Ganges river basin. Aquatic Conservation: Marine and Freshwater Ecosystem **17**: 349-359.

Sarkar U K, Deepak P K, Negi R S, Qureshi T A and Lakra W S 2007, Efficacy of different types of live and non-conventional diets on endangered clown knife fish *Chitala chitala* (Hamilton) during its early life stages. Aquaculture Research. **38**: 1404- 1410.

Sarkar U K, Lakra W S, Deepak P K, Negi R S, Paul S K, Srivastava A 2006, Performance of different types of diets on experimental larval rearing of endangered *Chitala chitala* (Hamilton) in recirculatory system. Aquaculture (2006) **261**: 141–150

Sarkar U K, Deepak P K, Negi R S, Singh S P and Kapoor D 2006, Captive Breeding of Endangered Fish *Chitala chitala* (Hamilton-Buchanan) for Species Conservation and Sustainable Utilization. Biodiversity and Conservation, **15(11)**: 3579- 3589.

Sarkar U K, Deepak P K, Kapoor D, Negi R S, Paul S K and Singh S P 2005, Captive breeding of *Anabas testudineus* (Bloch, 1792) with WOVA-FH for conservation and aquaculture. Aquaculture Research, **36** : 941-945

Sarkar U K, Basheer V S, Singh A K and S M Srivastava 2002, Organochlorine pesticide residue in water and fish samples: First report from rivers and streams of Kumaon Himalayan Region, India. Bulletin of the Environmental Contamination and Toxicology **70**: 485-493.