

# Dr. Shriparna Saxena

Fathers Name: Late.Shri A.M.Roy  
Postal Address : 242MIG DX Katara Hills Bhopal  
Tel .no 0755-6544331,9229200243  
E.mail [shriparna16@yahoo.co.in](mailto:shriparna16@yahoo.co.in),[shriparnarroysaxena@gmail.com](mailto:shriparnarroysaxena@gmail.com)

Nationality Indian  
Domicile state Madhya Pradesh  
Marital status Married  
Language known Hindi, English, Bengali

## Academic record:

B.Sc. 1986 **Botany, zoo, chem** Barkatullah University  
M.Sc.1988 **Limnology** Barkatullah University  
Ph.D.1993 **Limnology** Barkatullah University

**Fields of interest:** Wetland ecology, Aquatic Biodiversity & Water Quality, Aquaculture, fish and fisheries.

## Work experience:

- ◆ Worked as Junior research fellow in project on WATER QUALITY OF TWO LAKES AFFECTED BY THE TOXIC GAS LEAKAGE (Sponsored: Scientific Commission on Toxic Gas Leakage, GOI)
- ◆ Experience of monitoring of water and wastewater pollution of natural resource and industries.
- ◆ Worked with NGO (Society for Environmental Conservation and MP Vigyan Sabha) in the field of environmental awareness, demonstration of environment friendly technologies, popularization of S&T in rural and urban areas with special reference to water and sanitation.

Post held. Faculty Department of Zoology and Applied Aquaculture. BU Bhopal

## Registered Ph.D Guide.

Department of Zoology and Applied Aquaculture.  
4 Students on-going Ph.D

- Amit Kumar Jana

- Bholram Brahmne  
National Fellowship For Higher of ST  
students.(NFHE).Govt.of.India
- Neha Patil  
Rajeev Gandhi National Fellowship For SC  
Students(RGNF).Govt.of India
- Rakhi Das  
Jawaharlal Nehru Memorial Fund.2016.  
Catogary.International Scholars.

Department of Environmental Science and Limnology  
3 Students.On going Ph.D.

- Sameer Choudhury
- Shilpi Sachdewa
- Kausar Ahmad Wani

### **Supervision of M.Sc. Dissertation work**

- ◆ Biological diversity in certain wetlands with special reference to fish species.
- ◆ Quality of groundwater in Bhopal city
- ◆ Comparative studies of silted and desilted sites of Dal Lake Kashmir
- ◆ Electrophoretic investigation(Biological diversity) on Air Breathing Fishes of Bhopal with reference to their Diversity.
- ◆ Distribution of Mahseer in Narmada River System and Karyotyping of Mahseer for biodiversity study.
- ◆ Water Quality of River Narmada at Shahganj w/r to water supply of Bhopal.
- ◆ Spatial distribution and level of occurrence of nutrients and heavy metals in the sediments of Hoogly river.
- ◆ Fish Biodiversity on the streams of Narmada basin with reference to its conservation.
- ◆ The effects of artificial substrates on freshwater pond productivity and water quality and the implications for periphyton – based aquaculture.
- ◆ Ecological Study Of River Narmada at Bandrabhan near Shahganj , MP with reference to fisheries
- ◆ Growth of *Clarius batrachus* fed on formulated diets

### **Supervision of M.Phil dissertation work in Deptt of Limnology**

List M.Phil Dissertation of Department of Environmental Sciences and Limnology as Guide.

1. Morphometric characters and length –weight relationship in some air breathing fishes in around Bhopal : Rajkumari Badkur: 2006-2007
2. Distribution of phytoplankton in Barna Reservoir and its downstream:Arti Gautam—2008
3. Zooplankton diversity of barna Reservoir and its downstream in different seasons: Amit Anand Thakur -2008
4. Distribution Of Molluscs in the fringe Area of Barna reservoir and its downstream:Shilpa Haldar-2008
5. Study of physic chemical characteristics of Barna Reservoir and its downstream: Deepti Minz- 2008
6. Seasonal distribution of Periphyton in Barna Reservoir and its downstream-2008-Kavita Gayakwad.
7. Ecological status of selected stretch of shahpura lake with special reference to diversity of macroinvertebrates:2009—Pranita Verma
8. Study of Ichthyofauna diversity of upper lake with reference to physic-chemical properties of water: Jyoti Choudhury—2009.
9. Effect of landfill on ground water :2009-Irshad Ul Hassan
- 10.Study of endangered fish Mahseer (Tor tor) under natural and Artificial habitat with special reference to length weight relationship:2009-Sajid Mehmood Sambyal
- 11.Study on ecology of Macrophytes of Dal lake,Srinagar (J & K) with special reference to its conservation strategy:2010-Hakeem Sajjad Ahmad
- 12.The study of spirulina culture under the lab condition and natural condition using two different medium:Preeti Shrivastava-2010-2011.

**Department of Zoology and Applied Aquaculture.**  
**Supervision of M.phil as co-guide.**

1. Biodiversity of Benthos and its ecological status with special reference to water parameters in Upper Lake Bhopal,M.P: Sajjad Hussain Dar—2011-2012
2. Study of fish diversity of Upper lake Bhopal:Amir Sahi-2011-2012
3. Biodiversity of phytoplankton with special reference to water parameters in Upper Lake Bhopal:Asrar Amin Khan-2011-2012
4. Biodiversity of zooplankton with special reference to water parameters in upper lake Bhopal:Tasleem Aarif.-2011-2012.

Supervision as Guide. On -going

1. Impact of Anthropogenic activity with reference to periphyton diversity of Narmada. Majid Hassan Bhatt .
2. Study on fish diversity with reference to anthropogenic stress and its conservation status of Narmada River: Ashfaq Ahmad Mir
3. macro –invertebrate diversity of two tropical lake as indicator of lake ecosystem health; Mudassir Ul Islam
4. Study on zooplankton diversity of Narmada river water with reference to water parameters; Majid Shafi Bhatt
- 5; Zoobenthos diversity of some tropical water bodies of Bhopal:

Supervision of M.sc dissertation in Zoology.

35 Students.

**Affiliation:**

- ◆ Joint Secretary ; Society for Environmental Conservation .
- ◆ Member Indian Academy of sciences

**Participated in:**

- ◆ National Environmental awareness campaign
- ◆ Nature study camp at Pachmarhi ( sponsored; Ministry of Environment & Forest, GOI)
- ◆ Nature camp at Chiklod wetland (sponsored; Ministry Environment & Forest)
- ◆ Water testing training programme (sponsored: EPCO)
- ◆ Drinking water quality monitoring: Training programme sponsored by EPCO & MPCST
- ◆ Workshop on Medicinal plants and Environment (Swami Vivekanand Shiksha Samiti)
- ◆ National Seminar on Inland Water Potential, Pollution, Management and Conservation held at Chhindwara Dec. 1999
- ◆ National Workshop on Biodiversity and Conservation of Aquatic Resources w/r to Threatened Fish Mahseer Held at Bhopal Feb. 2000
- ◆ International Seminar on LCA and Eco-balance held at Mumbai in Feb. 2002
- ◆ National Workshop on Life History Traits of Fresh Water Fish Population for its Utilization and Conservation. Held at NBFGR, Lucknow in June 2002.
- ◆ National Seminar on Water Resource Conservation and Ecobiology held at Ujjain in August 2002.

- ◆ Third Forum of Indian Fisheries Society held at Bhopal Oct. 2002.
- ◆ Attended International River Festival at Bandrabhan .Hosangabad.March 2008.
- ◆ Attended National conference on Integrated Lake Basin Management with reference to Hussain Sagar Lake.Hyderabad. August ,2008.
- ◆ Attended National Conference on Climate Change and Biodiversity held at Ferguson College, Pune between 11-13 Dec. 2009.
- ◆ Attended Regional Workshop on Biodiversity held on 23/12/2009 at Indore.
- ◆ Attended International River Festival as co-ordinator of biodiversity session organized by Narmada Samagra between 21-23 March 2010.
- ◆ Attended International Conference on ILBM and Lake Management as SAARC task force member held at Kathmandu, Nepal between 26-29 March 2010.
- ◆ Attended National Seminar on Status of Biodiversity in Madhya Pradesh January 29-30,2011
- ◆ Attended National Seminar on Biodiversity conservation and management in 21<sup>st</sup> century

#### **Presented Paper and delivered Invited Talks**

- ◆ Awareness programme on climate change organized by Regional Science Centre .Bhopal.2006.Delivered an Invited Talk.
- ◆ Presented paper in the International River Festival- 2008 Bandrabhan,India:23-25 Feb.2008
- ◆ Presented paper at II International Conference The Deccan Geographical Society on Globalization,Technology and Economic Transasformation: 7<sup>th</sup>-9<sup>th</sup> March 2008
- ◆ Presented a paper in the national Conference on Climate Change and challenges in Biodiversity Conservation: Organized by Department of Zoology,Fergusson College,Pune:December 11-12 2009.
- ◆ Presented Paper on Second International River Festival-2010:March 21-23 2010,,Bandrabhan,India.
- ◆ Brain storming session on Integrated Lake Basin Management organized with Lake conservation Authority of MP and International Lake Environment Committee (Japan) between 9-10 August 2009 attended by International delegates.Presented Poster.
- ◆ Presented a technical paper on, ILBM in Concervation and Management of Bhoj Wetlands(Upper Lake:A Ramsar Site of Bhopal (India) National

seminar on ILBM for the Sustainability of Himalayan Lakes.26-29,2010,Kathmandu,Nepal.

- ◆ Delivered Invited lecture on ‘ Water Quality’ at one day workshop at Indian oil Bhavan,Arera Colony on 11<sup>th</sup> November 2010.
- ◆ Presented a Paper in National Seminar on Integrated management of water resources with reference to biodiversity and Livelihood.
- ◆ Delivered an invited Lecture on Application of Fish biotechnology in two day seminar on ‘Advancement of Biotechnology:Achievements and Prospects’ held on 21-22 June 2014 organized by Excellventure health & Welfare Society.
- ◆ Presented Poster entitled;Importance of fish in culture and Traditions.during brain storming session on ecological Traditions of M.p/Chattisgarh on 7<sup>th</sup> April2012.Sponsored by M.P.Biodiversity board and CPR environment Education CENTRE,Chennai.
- ◆ Poster on Traditional Knowledge of Tribals in Fisheries and Aquaculture.7 th April 2012.Department of Environment science and Limnology.
- ◆ Presented Poster on One day workshop on fishery development in the presence of parliamentary advisory committee on Agriculture held at Department of Zoology and aquaculture on 28 th February 2012
- ◆ Presented poster in National conference on Women Empowerment ,Education ,Environment,Biodiversity,Health and Agriculture.16-17 March. 2018.MPCST on Successful captive breeding of wild stock of state fish mahseer Tor tor and its conservation in forested rivers.
  
- ◆ Poster presentation at National Workshop on Climate Change and Management of Water Bodies:16-17August:2013.Organized by Department Of Environmental Sciences and Limnology ,Bhopal.
- ◆ Attended two day national workshop as subject expert from state at Chennai on for preparing Guide book for National Children Science Congress.
- ◆ Presented a Invited talk on climate and health in two day workshop at district coordinators meet of M.P at National Children science Congress held at AICUFF on July 2014.
- ◆ Presented a technical paper on a conference on aquatic biodiversity of Narmada ,Khandwa.2015
- ◆ Presented technical paper in International Conference on “Environment and Ecology”2-4<sup>th</sup> march 2015.Kolkatta.
- ◆ Delivered an invited talk at International Workshop on Mahseer Conservation ,Kochi,India:April 2017

- ◆ Participated one day symposium on Tiger Conservation :Barkatullah University:9.12.17
- ◆ Participated and Presented research paper titled “Fish feed formulation in Aquaponics System Utilizing a Requisite Protein Sources” International Conference on Environmental and Life Science(ICELS-17) December 2017.Kolkatta.
- ◆ Presented poster in National conference on Women Empowerment ,Education , Environment,Biodiversity,Health and Agriculture.16-17 March. 2018.MPCST on Successful captive breeding of wild stock of state fish mahseer Tor tor and its conservation in forested rivers.

### **Seminars/Workshops organized**

- Member , Organizing Committee of Refresher Course on Biodiversity sponsored by UGC (February, 2002)
- Coordinator: National Conference on Biodiversity and Sustainable Use of Bioresources held at Bhopal (Oct. 2002)
- Member organizing Committee\_National Teachers Science Congress held at Bhopal in Set. 2003 sponsored by NCSTC(DST)
- International Conference of Association of Microbiologists of India (Dec. 2006)
- Brain Storming Session on Biodiversity sponsored by DST (Dec. 2007)
- Coordinator, Technical Sessions, International Conference on Globalization, Technology and Economic Transformation held at Bhopal (March 2008)
- Participated in two day International Workshop on Integrated Lake basin Management(ILBM)in Hydrabad as member of core group of ILBM India.:28-29<sup>th</sup> August.2008
- Participated in National orkshop on “Advances in Aquaculture and Fisheries –Perspectives, Prospects and Challenges” organised during ILDEX India 2009 on 3<sup>rd</sup> July ,2009 at New Delhi.
- Jt. Organizing Secretary : Brain storming session on Integrated Lake Basin Management organized with Lake conservation Authority of MP and International Lake Environment Committee (Japan) between 9-10 August 2009 attended by International delegates
- Coordinator, Registration Committee and Rapporteur of Biodiversity session : National Seminar on Integrated Management of Water Resources with Reference to Biodiversity and Livelihood” held at Bhopal between 16-17 Jan 2010

- Participated as member of Organizing committee at ICMEMB organized by Department of Biotechnology and Bioinformatics centre ,BU,Bhopal.
- Participated as rapporteur at National Seminar on Innovations in Science and Technology for Inclusive Development:26<sup>th</sup> -27<sup>th</sup> March,2014 at Vigyan Bhavan,MPCST,Bhopal.
- Organized a National Conference on Developing Strategies and Institutions for Mahseer Conservation in India.September .2016.At DAVV Indore.

### **Position Held**

- **Co-Chaired** a session in National Workshop on Life History Traits of Fresh Water Fish Population for its Utilization and Conservation. Held at NBFGR, Lucknow in June 2002.
- **Coordinated** a Session on Biodiversity in International River Festival held at Hoshangabad. Feb 2008
- **Coordinated** a Session on Biodiversity in International River Festival held at Hoshangabad.Feb 2010.
- **Co-Chaired** a session on animal biodiversity in National Seminar on status of biodiversity in M.P. January 29-30,2011
- Evaluator for science projects at Children Science Congress of District and State Level for the year 2008 to 2013.
- Resource person at Children Science Congress of District and State Level for the year 2008 to 2018.
- Member of State Level Project Steering Committee to evaluate mahseer conservation status in state of Madhya Pradesh.
- Pannelist at Biodiversity Session of 5<sup>th</sup> River Festival.Bandhrabhan.India

### **Awards**

**Vigyan Bhushan.**Awarded by Department of Science and Technology,New Delhi.

**CERTIFICATE OF APPRECIATION** from Government Of M.P.  
Department Of Forest for Conservation of Mahseer In forested Zones Of M.P

### **Specialized Training**

- ◆ Training course on Environmental scenario, policy and strategies (Disaster management institute) June, 1997

- Two days orientation course on Remote Sensing and GIS in Natural Resource Survey and Management. Sponsored by NNRMS & RSAC-MPCST Bhopal 14-15 March 2000.
- Hands on Training on Allozyme Tools For Fish Population Genetics Sponsored by NBFGR Lucknow. 16-21 April 2001.

### **Resource Person:**

- Member evaluation committee of National Children's Science Congress 2009-18
- Awareness programme on climate change organized by Regional Science Centre .Bhopal.

### **Research project**

1. Enhancement of Fish Productivity through Integrated Fish Farming sponsored by Department of Science & Technology, New Delhi as Co-investigator.cost
2. .Enhancement of fish growth in pond culture using periphyton as natural food sponsored by . Department of Science & Technology, New Delhi 2005-2006  
As Investigator:Rs.8,30,500/-
3. .Study of fish biodiversity in relation to habitat characteristics in river basins in mp with special reference to Mahseer (*Tor-tor*) as Investigator. Sponsored by **ICAR**.2004-2006;Cost-11,70,800.00
4. Pre & Post impoundment Limnological studies of the central zone Narmada Development basin for its ecology and water quality.Co-investigator. **Narmada Valley Development Corporation**, Govt. of MP .2004-2009.Cost:1.51 Crores
5. Selective breeding of *Clarius batrachus* under Resource mobilization Incentive sanctioned by **UGC as Investigator**.2005-2007:Cost:10,00,000.00
6. Mapping of Riverine Wetlands : Narmada River sponsored by **Space application center ISRO** as Investigator 2006-2008.Cost:11,70,800.00
7. Developing Suitable Nursery Techniques and Plant Production for propagation of Rare,Endemic and Threatened (RET) plants in malwa Region of M.P :as Co-investigator :2011-12 and 2012-13.Sponsored by M.P.Minor Forest Produce Federation:Costing:18.00 lakhs.

8. Research of Preventive methods for Control of Damage due to Giant African land Snails in forest Nurseries of Malwa:Research and Extension Circle,Indore of M.P Forest Department. As Investigator:Rs.4.90 Lakhs:Period.Two years. (2012-13 and2013-14)
- Conservation of the M.P State Fish ,Mahseer in Wildlife forested Watersheds of Barwah Forest Division.  
Sanctioned by State Biodiversity Board.As Principal Investigator:Rs. 9 Lakhs.For a period of two years.

### **On –Going Research Projects: \_**

- Pre & Post impoundment Limnological studies of the central zone Narmada Development basin for its ecology and water quality. Submitted to **Narmada Valley Development Corporation**, Govt. of MP as co-investigator
- Conservation Breeding of the Madhya Pradesh State Fish, Mahseer(*Tor tor*) in Barwaha Forested Watersheds of Barwaha Forest Division.Sanctioned by State Biodiversity Board.For a period of one year 2018-2019.  
Rs.14.lakhs.As Principal Investigator.

### **Papers accepted in conference:**

- ◆ International conference on Conservation, management of tropical inland water: problems, solutions and prospects (Hongkong University, 1991)
- ◆ International Conference on Land Water Interaction, 1991.
- ◆ International Conference on Tropical Limnology held at Indonesia in 1994.
- ◆ National Symposium on Environmental Biology, NEHU Shillong 1999.
- ◆ International Conference on Water & Health. 2002
- ◆ Annual Session of Academy of Biology, 2002.
- ◆ Aquaculture Development of some small water bodies of Betul District by preparing spatial database. Accepted at Map Asia 2010 at Kuala Lumpur. Malaysia.

### **Research Papers**

1. Bacterial Water Quality of Some Public Bathing Places of Bhopal  
Bhopal University Research Journal 2 (1990). Shriparna  
Roy, Vipin Vyas and Sushil Mudgal. -
2. Limnological status of a sewage polluted pond in an industrial  
township. Recent trends in Limnology; 427-438 (1990)  
Sushil Mudgal, Vipin Vyas, Shriparna Roy, G.H. Joshi and  
P. Shrivastava
3. A study of catchments area of Upper lake, Bhopal (MP). Indian J.  
Zoo. Spect; vol I, No.2 (21-26) (1990)  
Praveen Tamot, Satayendra Kahre, Pradeep Shrivastava, Rajesh Gupta  
and Shriparna Roy.
4. Status of ground water quality in relation to land use pattern: A case  
study of Bhopal city. J. Hydrobio. 8 (1) : 83-87 (1992)  
Shriparna Roy and Pradeep Shrivastava
5. Biodiversity study of two Indian Major carps & exotic carp from  
different water bodies in Bhopal. *Indian J. of Applied & Pure  
Biology. Vol 15, No 2, 2001*  
Shriparna Saxena, Asha Verma and Pradeep Shrivastava
6. Ground Water Quality of Bhopal (India). *Environment and  
Agriculture Biodiversity, Agriculture and Pollution in South  
Asia, 2001, pp.525-527, Publisher: Ecological society (ECOS)* (Ed:  
Jha, Baral, Karmacharya, Lekhak, Lacoul and Baniya 2001  
S. saxena and P. Shrivastava
7. Ground Water Quality of a Typical Urban Settlement : A case study  
of Impact of Town Planning. *Pollution Research ISSN:0257-8050-  
21(2). 223-226 2002*  
Shriparna Saxena and Pradeep Shrivastava
8. Status of Mahseer Distribution in River Basins in Madhya Pradesh  
and need for Further Ecological Investigations For Their  
Conservation. Proc of NBFGR 2002
9. On Conservation of Declining Mahseer Populations in MP River  
Basins. *Fishing Chimes. ISSN 0971-4529- Vol. 23 (No. 1) April  
2003.*  
Shriparna Saxena, Pradeep Shrivastava, R.P. Tuli
10. Spatial distribution and level of occurrence of nutrients and heavy  
metals in the sediments of Hoogly river. *Pollution  
Research. ISSN:0257-8050 23(4):833-835- 2004*  
Sumana Dutta and Shriparna Saxena

11. On the occurrence of fingerlings of Mahseer of Denwa river in Pachmarhi Biosphere Reserve M.P  
Fishing chimes :ISSN 0971-4529. April 2004  
Vipin Vyas, Shriparna Saxena, R.P. Tuli
11. Fish Biodiversity on the streams of Narmada basin with reference to its conservation. Proc. Of NBFGR 2005 to be included  
Shriparna Saxena, Vipin Vyas, Umashankar Sarkar
13. Length weight relationship of *Tor tor* (Hamilton, 1882) of some reservoir of central India. J. Exp. Zool. India. Vol. 9, No 2, July 2006  
Shriparna Saxena, Sumana Dutta, Gyanesh Shukla and Pradeep Shrivastava
14. Observation on the status of morphometry phenology of *Tor. Mahseer* in different habitat of Narmada water. AQUACULT .Vol. 8 (1) 2007, 63-7 Shriparna Saxena, Gyanesh Shukla, Sumana Dutta.
15. Present Status Of Ichthyofaunal Diversity of Upper Stretch Of River Tapti with Reference to its Habitat Diversity. Proc. Of NBFGR 2007 ISBN: 978-81-902951-9-2 Shriparna Saxena, Gyanesh Shukla
16. Observation of Length-wt relationship and condition factor of *Tor tor* from river Narmada River, Life Sciences Bulletin. Vol 05 (2) 2008: ISSN 0973-5453 Shriparna Saxena, Gyanesh Shukla, Sumana Dutta
17. Integrated fish farming for Tribal Fish Farmers of Betul District. Navin Samajik Shodh (1) 28-34. 2009 Satish Balapure, Brijesh Sharma, Vipin Vyas, Shriparna Saxena
18. Study of Fish Growth in Pond Ecosystem Feed on Periphyton Grown on Sugarcane Bagasse substrate. Naveen Samajik Shodh Vol. 12 P 25-29/2010 Shriparna Saxena, Vipin Vyas, Satish Balapure, Deepti Mishra
19. Conservation of Bhoj Wetland With ILBM approach. Website of ILEC, Japan 2010. Vipin Vyas, Shriparna Saxena, Pradeep Shrivastava.
20. ILBM in conservation and management of bhoj Wetland (Upper Lake): A Ramsar Site of Bhopal (INDIA) National Seminar on ILBM for the Sustainability of Himalayan Lake-Kathmandu Nepal-March 26-29, 2010 Page: 35-39 Vipin Vyas, Shriparna Saxena and Pradeep Shrivastava

21. Biodiversity Conservation in Wetlands of Barna Reservoir with reference to migratory birds. Vipin Vyas, Shriparna Saxena, Satish Balapure and Pradeep Shrivastawa [Http/wldb.ilec.or.jp/data/ilec/WLC13/others/42.pdf](http://wldb.ilec.or.jp/data/ilec/WLC13/others/42.pdf)
22. Seasonal variation of diversity of Molluscan species in Barna Reservoir. *Journal of Aquatic Biology* Vol.25 (1) 2010 Shriparna Saxena, Satish Balapure, Shilpa Haldar
23. Blue green micro algae Spirulina: A gift of Nature *Naveen Samajik Shodh* Vol. 11 P 23-24/2010
- 24 Bioaccumulation of some heavy metals in water, plankton and sediment in lakes of Bhopal; Amiya Tirkey, Shriparna Saxena, Alok Saxena and Sandhya Mokhle. *National Journal of Life Sciences*: Vol.07. Number 3. December: 2010. 25-28
25. Study the seasonal variations in physico chemical characteristics of Halali Reservoir. *Inventi Rapid: Water & Environment* .Vol.2011. Issue 3.- ISSN 2229-7766  
Sushma Ahirwar, dharmendra singh, Shriparna Saxena, Vipin Vyas.
26. Fishing Practices among tribals: Tradition , Tools & Techniques- Bulletin- Tribal Research & Development. Govt of M.P. Vol.51 (April 10-March 11)
27. Evaluating the effect of Landfill leachate on groundwater quality in relation to physico chemical and bacteriological characteristics : *Journal of chemical and Pharmaceutical Research*, 2012, 4(12): 5202-5214: ISSN: 0975-7384  
Irshad Ull Hussain Lone, Ajay Kumar, Fatima Khan, Shriparna Saxena, Arshad Iqbal Dar.
28. Assessment of physico- chemical characteristics of surface and bottom strata of upper lake, Bhopal.: *Bioscience Guardian*, Vol 4, Number 1, June 2014. ISSN 2277-9493. AH. Bhatt, Shriparna Saxena, K.C. Sharma
29. The role of benthic invertebrate species in freshwater ecosystem Zoobenthic species influence in energy flows and nutrient cycling: *International journal Of Advanced Research*: Shriparna Saxena. 2013 Impact factor: 1.659, Index Copernicus value 2012: 4.96 ISSN no 2320-5407
30. Impact of different feeds on growth of *Clarius batrachus* (Gunther) : *International Journal of science and Research* Volume 3 Issue 8, August 2014: ISSN: 2319-7064, Impact Factor: 2012: 3.358

Index Copernicus value 2012:5.34 : Shiparna Saxena

31. Study on phytoplanktonic diversity of a fish pond: International Human Research Journal ;ISSN2347-7067: Impact factor-0.798 :Volume II, July-September ,2014.: Shriparna Saxena

32. The role of benthic invertebrate species in freshwater ecosystem  
Zoobenthic species influence in energy flows and nutrient cycling: Shriparna Saxena: International Journal of advanced Research: Vol2, Issue, 8, 686-693: 2014

33 Study of zooplankton diversity of Upper Lake, Bhopal: International Human Research Journal: 2014: Vol II ,issue III: 1-7: 2347-7067  
ISSN No”

34. Study on Socio-economic status of fisherman community of Upper Lake: Preliminary Survey: International Journal of science and Research: Vol 3 issue 8: 2014; 2047-2048 ISSN: 2319-7064

34. Biodiversity of Phytoplankton with special reference to water Parameter in Upper Lake: Naveen Samajik Shodh: 2014: Vol 6 124-130 ISSN:, 0975-4431.

35. Peer Reviewed by referees

Journal of Ecophysiology and Occupational Health

Volume 15, Issue 1&2, June 2015

Mahseer in India: An overview on Research Status and Future Priorities

U. K. Sarkar<sup>1\*</sup>, B. K. Mahapatra<sup>2</sup>, S. Roy Saxena<sup>3</sup>, A. K. Singh<sup>4</sup>

36. Study on fish diversity of halali Reservoir: Shriparna Saxena: Life Sciences Bulletin : Vol. 11(1) 2014. Accepted.

37. A compact aquaponics system in Indian premises and confront hurdles to assemble this system: IJRASET: Volume , issue 1, January 2018. Rakhi Das, Shriparna Saxena.

38. Fish food formulation in Aquaponics system utilizing a requisite protein sources.

### **Books Published**

Nirmal Narmada Ki Pehchan :- Mahasheer

Publication – Narmada Sanrakshan Pahal.

### **Popular Lectures Delivered;**

- Delivered lecture on Rural Drinking Water Quality at RD Gardi Medical College, Ujjain in March, 2002
- Delivered Lecture on Water Quality at Workshop on Drinking Water for Women held at Bhopal in May, 2003.