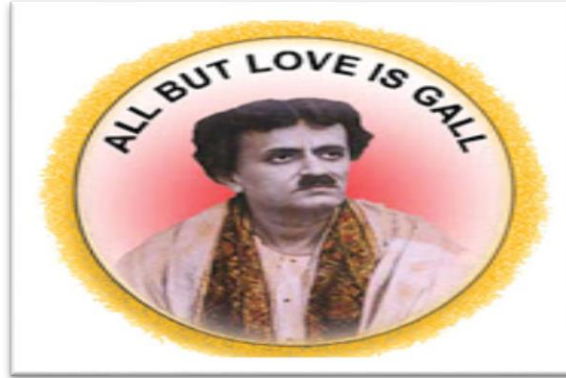




**TARANATH SHIKSHANA SAMSTHE**  
LAXMI VENKATESH DESAI COLLEGE RAICHUR – 584 103  
(Affiliated to Gulbarga University, Kalaburgi)  
Nationally Re-accredited by NAAC with “B” grade



The Youth of a Nation are the trustees of posterity  
**Motto of NCC “UNITY AND DISCIPLINE”**  
(Ekta aur Anushasan)



**“NCC – National Cadet Corps”**  
**HALF-YEARLY NCC PROGRESS REPORT**

**Activities From**  
02<sup>nd</sup> November 2020 to 30<sup>th</sup> June 2021

**Conducted By**  
1/35 (A & B) Part Coy, NCC Unit,  
LVD College Raichur-584 103

**Submitted to**

**Col SAURABH MISRA**  
Commanding Officer, 35 Karnataka Bn NCC,  
Govt. Polytechnic Campus Raichur-584 103

**By**

**CTO Dr. SHIVARAJ** M.Sc., Ph.D.  
**NCC OFFICER, 1/35 (A & B) PART COY, NCC UNIT,**  
**L.V.D COLLEGE, RAICHUR-584 103**  
**KARNATAKA, INDIA**

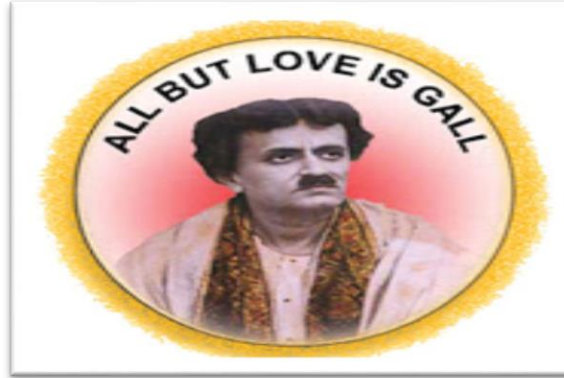
**JUNE-2021**



**TARANATH SHIKSHANA SAMSTHE**  
LAXMI VENKATESH DESAI COLLEGE RAICHUR – 584 103  
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**“NCC – National Cadet Corps”**  
**HALF-YEARLY NCC PROGRESS REPORT**

**Activities From**  
02<sup>nd</sup> November 2020 to 30<sup>th</sup> June 2021

**Conducted By**  
1/35 (A & B) Part Coy, NCC Unit,  
LVD College Raichur-584 103

**Submitted to**  
**PRINCIPAL / IQAC Co-ordinator**  
LVD College Raichur-584 103

**By**  
**CTO Dr. SHIVARAJ M.Sc., Ph.D.**  
**NCC OFFICER, 1/35 (A & B) PART COY, NCC UNIT,**  
**L.V.D COLLEGE, RAICHUR-584 103**  
**KARNATAKA, INDIA**

**JUNE-2021**

**Dr. SHIVARAJ Y**  
**Assistant Professor, Department of Zoology, Project Coordinator,**  
**Nodal Officer UGC-NSQF New Delhi & NCC Officer, L.V.D College,**  
**Raichur-584 103**  
**Former Scientist in Toxicology at GLP-CRO & AAALAC International**  
**Laboratory Bangalore, Karnataka, India**  
**Mobile:+91-8971316472**  
**E-mail: [shivarajmetigouda@gmail.com](mailto:shivarajmetigouda@gmail.com)**

### **CAREER OBJECTIVES:**

To excel in research and teaching skill development of science thereby contribute to alleviate the sufferings of mankind.

### **WORKING KNOWLEDGE:**

- Familiar in working with instruments like HPLC (High Pressure Liquid Chromatography), Paper Chromatography, TLC (Thin Layer Chromatography), UV-visible spectrophotometer, Spectrofluorimeter, AAS (Atomic Absorption Spectrophotometer), Flame Photometer, Electrophoresis, Histopathology, pH Meter, DO Meter, Conductivity Meter, TDS Meter, Micro-Applicator etc.
- Hands on skills in Biochemical, Hematology and Histopathology Techniques.
- Well acquitted with different techniques associated with toxicity of chemicals (acute, sub-acute, long term, and reproductive studies, using oral, dermal and inhalation route).
- Calibration of Laboratory Instruments.
- (Conduction of Both Theory and Practicals for MSc I & II Year & BSc I to VI Semester Students) according to CBCS Scheme and NEP Guidelines. **(Physical & Online Classes)**
- (Conduction of Both Theory and Practicals for NCC I, II & III Year Cadets) according to CBCS Scheme, NEP & NCC Guidelines. **(Physical & Online Classes)**

### **ACADEMIC SKILLS & DEVELOPMENTS AT PG & UG LEVELS:**

- ✓ Build Communication Skills Between Students & Teachers
- ✓ Good Mode of Excellent Teaching Methods Related to Research Aspects
- ✓ Preparing IQAC Functioning and New Methodology of NAAC
- ✓ Conducting Projects to M.Sc. & B.Sc. Students
- ✓ Conducting Extra Curricular Activities to Students
- ✓ Conducting International & National Level Conferences/Symposiums/Seminars
- ✓ Conducting National Level Workshops
- ✓ Conducting Special Lecture Series on Different Topics
- ✓ Conducting Orientation Program for Freshers
- ✓ Conducting Socio-Scientific Awareness Programs at Rural Areas
- ✓ Conducting Both Theory & Practical Examinations for PG & UG Students

- ✓ Conducting & Visiting Industrial Tour for M.Sc. Final Year & B.Sc. Final Year Students
- ✓ Conducting NCC Special Centralized Training Cadres (CTC) 5 Day Camps for Certificate B & C Examinations
- ✓ Conducting Physical Examinations & Orientation for NCC new enrolled both SD & SW cadets
- ✓ Conducting Socio-Scientific & COVID-19 Pandemic Awareness Programs in Society with the help of NCC Cadets
- ✓ Conducting Many Awareness activities through Virtual Programs in Society with the help of NCC Cadets

### **TEACHING EXPERIENCE:**

Full-Time Guest Lecturer, B.Sc. –I, II & III Year **(Since 01/06/2019 to till date)**  
Department of Zoology, L.V.D College Raichur. **(2-Years)**

Full-Time Guest Faculty, M.Sc. –I & II Year **(Since 07/08/2018 to 09/05/2019)**  
PG-DOSR in Zoology, Tumkur University, Tumakuru. **(1-Year)**

Full-Time Guest Faculty, M.Sc. –I & II Year **(Since 24/07/2017 to 05/05/2018)**  
PG-DOSR in Zoology, Tumkur University, Tumakuru. **(1-Year)**

### **SCIENTIST IN TOXICOLOGY: (1-Year; 7-Month)**

Experience (Since 04<sup>th</sup> August 2014 to 3<sup>rd</sup> March 2016)  
Bioneds India Pvt. Ltd., Karnataka Area, Bangalore.

### **SCIENTIST/RESEARCH ASSOCIATE: (1-Year)**

Experience (Since July 2013 to July 2014)  
Liveon Biolabs Pvt. Ltd., Karnataka Area, Tumakuru.

### **SCIENTIST IN TOXICOLOGY: (2-Year; 3-Month)**

Experience (Since Feb 2011 to May 2013)  
Bioneds India Pvt. Ltd., Karnataka Area, Bangalore.

### **PROJECT ASSISTANT: (1-Year; 6-Month)**

In the Field of Eco-Toxicology and Mammalian Toxicology. Under **UGC-(PDF)** project, **Topic** –“Chronic Impact of Sodium Cyanide Intoxication on Edible Fishes of Hutti Gold Mine Region” From 1<sup>st</sup> Sept 2009 to 16<sup>th</sup> Feb 2011 (1 year; 6 month), In **Environmental and Molecular Toxicology Laboratory, Dept. of Zoology, Karnataka University’s Karnataka Science College, Dharwad, Karnataka, INDIA.**

### **RESEARCH ASSISTANT: (1-Year)**

Experience (Since August 2008 to August 2009)  
Eurofins Advinus Therapeutics Pvt. Ltd., Karnataka Area, Bangalore.

### **JOB PROFILE IN-CHARGE ANIMAL FACILITY & ECOTOXICOLOGY DEPT:**

- ✓ Managing the vivarium with respect to the standards of CPCSEA & AAALAC guidelines.
- ✓ Sentinel animal maintenance (periodic sampling-microbial, ELISA diagnosis & necropsy assisting, quarantine activities (animal receipt, Form-C updating, import document maintenance, animal health monitoring & surveillance activities).
- ✓ IAEC committee arranging, conducting meetings, Form-B maintenance, approval of protocols & MOM (minutes of meeting), agenda, animal usage records.
- ✓ Documentations for the toxicological studies with respect to GLP & OECD guidelines.
- ✓ Being part of SOP preparation, reviewing & implementation.
- ✓ Training Records updates & Maintenance.

### **PREVIOUS JOB PROFILE AT GLP-CRO RESEARCH LABORATORY:**

- Conduct and design of toxicity studies based on the different regulatory guidelines.
- Preparing documentations for AAALAC & GLP inspections.
- Validation of studies as per newly adopted guidelines.
- Development of Standard Operating Procedures with highest Scientific Quality.
- Study Report Preparation.
- Conducting Training for Juniors.
- Validation of New Studies.
- Conducting Departmental Orientation Programme to New Employees.
- Conducting Internal Facility Audits.
- Documentation and Archiving.

### **EXPERTISE IN REGULATORY STUDIES:**

- Ecotoxicology and Environmental Fate and Metabolism of Chemicals.
- Aquatic Toxicology (Alga, *Daphnia*, and *Daphnia magna* reproduction, Amphibians and Fish).
- Terrestrial Ecotoxicology (Honeybees, Earthworms, Silkworms and Avian Species).
- Avian Dietary and Reproduction Studies.
- Mammalian Toxicological Studies.

### **INTERESTED RESEARCH FIELDS:**

- Biochemistry
- Molecular Biology
- Mammalian Toxicology
- Ecotoxicology
- Behavior Toxicology (Aquatic & Terrestrial Species)
- Animal Husbandry for Laboratory Animals (Breeding Facility Development)
- Ecotoxicology (Facility Development and Validation Studies Initiation)

- Interdisciplinary & Multidisciplinary Research Project Works

### **COMPUTER SKILLS:**

1. One Year Computer Education Course - MS-DOS, LOGO, BASIC & LOTUS in R.G.M. English Medium School, Sindhanur in the Year 2000-2001.
2. Excellent Hands on Operation in Computer and Use of Statistical Packages like GraphPad Prism, SPSS & Probit Analysis Method.

### **PROBLEM OF RESEARCH IN DOCTORAL PROGRAMME:**

**“EFFECT OF CADMIUM ON BIOCHEMICAL, HAEMATOLOGICAL AND HISTOPATHOLOGICAL ASPECTS IN SELECTED TISSUES OF FISH *CYPRINUS CARPIO* (LINNAEUS)”**

### **ACADEMIC PROFILES:**

**Ph.D. In Zoology (Awarded on 31/01/2019):** Tumkur University, Tumakuru. Karnataka, INDIA.

**Ph.D. In Zoology (Final Viva-Voce on 29/01/2019):** Tumkur University, Tumakuru. Karnataka, INDIA.

**Ph.D. In Zoology (Thesis Submitted on 23/07/2018):** Tumkur University, Tumakuru. Karnataka, INDIA.

**Pre-Ph.D-Colloquium Completed on (03/04/2018): DOSR in Zoology,** Tumkur University, Tumakuru. Karnataka, INDIA.

**Pre-Ph.D-Course Work Completed – 64.80% (2011 to 2012):** Tumkur University, Tumakuru. Karnataka, INDIA.

**M.Sc. In Zoology – 68.09% (2010):** Kuvempu University, Shimoga. Karnataka, INDIA.

**B.Sc. In CBZ - 71.14% (2008):** Karnataka Science College, Dharwad. Karnataka, INDIA.

**PUC-II PCMB (2005):** Pre-University Education Board, Bangalore. Karnataka, INDIA.

SSLC (2001): Karnataka Secondary Education Examination Board, Bangalore.  
Karnataka, INDIA.

**PERSONAL INFORMATION:**

Name	:	Dr. SHIVARAJ Y
Father Name	:	YALLAPPA
Mother Name	:	HAMPAMMA
Sex	:	Male
Date of Birth	:	6 <sup>st</sup> June 1986
Nationality	:	Indian
Religion	:	Hindu
Mother Tongue	:	Kannada
Languages Known	:	English, Hindi, Kannada & Telugu
Marital Status	:	Married
Spouse	:	Dr. Rajani S
Daughters	:	Saanvi S & Rutvi S
Son	:	Nakesh S

**ACADEMIC SPECIAL SKILLS:**

- Ability to write and execute scientific projects successfully.
- Creating a research ambience and cordial work environment.
- Excellent skills in approach to problems with novel scientific skills.
- New line of scientific thinking for advancement of science.
- Excellent communication skills in English (both verbal and writing).
- Ability to write UGC-NSQF Programme & Implement new course under skill based program.
- New Implementation of NCC Activities according to rules & regulations.
- Conducting awareness programs with the help of both SD & SW Cadets in society.
- Conducting CTC Cadres & Camps Co-ordinate with 35 KAR Bn NCC RAICHUR.
- Preparation of NCC raw data and updates both Hard & Soft Copies.
- Conducting B & C Certificate Examinations according to NCC Syllabus teaching & learning practices including Practicals to Cadets.
- Practicing both Sports & Cultural activities to NCC Cadets.

- Conducting Theory & Practices to NCC Cadets through online mode & physical mode.
- Conducting Socio-Scientific Awareness Creating Physical & Online Activities with the help of NCC Cadets in the Society.

### **SPORTS ACTIVITY:**

1. Taluka Level Sports, Higher Primary School **Got Second Place** in 100 Meter Running in the Year 1997-98.
2. Taluka Level Sports, Higher Primary School **Got First Place** in Discuss Through in the Year 1997-98.
3. Taluka Level Sports, Higher Primary School **Got First Place** in 4x100 Relay in the Year 1997-98.
4. District Level Sports, High School **Got Second Place** in Volleyball Year 1998-99.
5. Taluka Level Sports, High School **Got Second Place** in 4x100 Relay Year 1999-2000.
6. Taluka Level Sports, High School **Got Second Place** in Volleyball Year 1999-2000.
7. Taluka Level Sports, High School **Got First Place** in Triple jump Year 2000-2001.
8. Taluka Level Sports, High School **Got First Place** in 4x100 Relay Year 2000-2001.
9. Taluka Level Sports, High School **Got Second Place** in Volleyball Year 2000-2001.
10. District Level Sports, High School **Got Second Place** in Triple jump Year 2000-2001.
11. Certificate of Proficiency, Karnatak Science College, Dharwad Got **Best All-Rounder in Cricket Game** in the Year 2005-06.
12. Certificate of Proficiency, Karnatak Science College, Dharwad Got **Best Cricketer** in the Year 2007-08.
13. Certificate of Proficiency, Guest-Lecturers Sports Organized by University College of Science, Tumkur University, Tumakuru, Got **Second Place in Cricket** in the Year 2017-18.

### **SECRETARY/ORGANIZING/CO-ORGANIZING SECRETARY/RAPPORTEUR**

- ❖ Certificate of Proficiency, Karnatak Science College, Dharwad, **Student Secretary for Cricket Dept. of K.Sc College GYMKHANA** in the Year 2007-08.
- ❖ **Worked as Organizing Secretary in “One Week Study Tour” for M.Sc. Final Year Students** on 25th October to 31st October 2017 to Karwar & Goa, Organized by DOSR in Zoology, Tumkur University, Tumakuru.
- ❖ **Worked as Co-organizing Secretary in Two Day “Special Lecture Series”** on 09<sup>th</sup> & 10<sup>th</sup> of November, 2017 Conducted by DOSR in Zoology, Tumkur University, Tumakuru.
- ❖ **Worked as Co-organizing Secretary in One Day Workshop “Orientation on Field Ecology”** Anveshane Explore Nature held at Devarayanadurga State Forest, Tumakuru on 11<sup>th</sup> November, 2017 Conducted by DOSR in Zoology, Tumkur University Coordinate with Avani Academy for Nature Tumakuru.
- ❖ **Worked as Co-organizing Secretary in One Day National Conference on “Emerging Trends and Approaches in Zoological Science”** held on 31<sup>st</sup> January 2018. Organized by

DOSR in Zoology, Tumkur University, Tumakuru, Karnataka, India.

- ❖ **Worked as Co-organizing Secretary in Orientation Program** for M.Sc.I-Year Students on 20<sup>th</sup> August 2018 at DOSR in Zoology, Tumkur University, Tumakuru, Karnataka, India.
- ❖ **Worked as Organizing Secretary in “One Week Study Tour” for M.Sc. Final Year Students** on 30<sup>th</sup> September to 05<sup>th</sup> October 2018 to Hyderabad, Organized by DOSR in Zoology, Tumkur University, Tumakuru.
- ❖ **Worked as Co-organizing Secretary in One Day Workshop “Orientation on Field Ecology”** Anveshane Explore Nature held at Devarayanadurga State Forest, Tumakuru on 13<sup>th</sup> October, 2018 Conducted by DOSR in Zoology, Tumkur University Coordinate with Avani Academy for Nature Tumakuru.
- ❖ **Worked as Co-organizing Secretary in One Day “Special Lecture Series”** on 31<sup>st</sup> October, 2018 Conducted by DOSR in Zoology, Tumkur University, Tumakuru.
- ❖ **Worked as Co-organizing Secretary in Three Day, XVII AZRA International Conference on “Frontier Research in Applied Zoology and Insect Pest Management Strategies: A way Forward for Food and Nutritional Security”** held from 12<sup>th</sup> to 14<sup>th</sup> February, 2020 at UAS, Raichur.
- ❖ **Worked as Rapporteur in Three Day, XVII AZRA International Conference on “Frontier Research in Applied Zoology and Insect Pest Management Strategies: A way Forward for Food and Nutritional Security”** held from 12<sup>th</sup> to 14<sup>th</sup> February, 2020 at UAS, Raichur.

#### **HIGH SCHOOL LEVEL PROJECTS:**

1. **7<sup>th</sup> District Level National Children Science Seminar** Conducted by Karnataka State Science Academy and National Science & Technology New Delhi held at Raichur **Title: ‘Defects of Fluoride Water’** Got Selected to State Level in the Year 1998-99.
2. Catalyzed and Supported by National Council for Science and Technology Communication (NCSTC), Department of Science and Technology Conducted by Karnataka State Science Academy National Children Science **State Level Seminar** on 10<sup>th</sup> – 12<sup>th</sup> December, 1999 **Title: ‘Defects of Fluoride Water’**.
3. **8<sup>th</sup> District Level National Children Science Seminar** Conducted by Karnataka State Science Academy Bangalore & Raichur and National Science & Technology New Delhi held at Raichur in the Year 2000.

#### **NSS VOLUNTEER & SPECIAL CAMP:**

1. Certificate of Proficiency, Karnatak Science College, Dharwad, GYMKHANA Got **Best NSS Volunteer** in the Year 2006-07.

2. **Two Years NSS Special Camp** Conducted by Karnatak Science College, Dharwad & National Service Scheme at Pavate Nagar Theme is “Healthy Youth for Healthy India” in the Year 2005-06 & 2006-07.

**NCC CTO/ANO (04-11-2020) & SPECIAL 05-DAYS CTC CAMP ORGANISED (27<sup>th</sup> to 31<sup>st</sup> JAN 2021):**

1. **Two Days CTO Training Completed** at 35 KAR BN NCC RAICHUR - 04 to 05-11-2020.

2. **Worked as Organizing Secretary for 05 Days CTC Camp** at LVD College Raichur 27<sup>th</sup> to 31<sup>st</sup> Jan 2021.

**M.Sc. LEVEL PROJECT CONDUCTED & GUIDED BY Dr. M DAVID SIR-(2009-10):**

❖ **Title:** “Spermatotoxicity Evaluation of Deltamethrin 1% + Chlorpyrifos 35% EC by Oral Gavage in Wistar Rats”.

**M.Sc. LEVEL PROJECTS GUIDED & COMPLETED (2-Projects, 8-Students): 2018-19:**

**Title:** “Studies on Industrial Effluent Induced Behavioral, Morphological and Gross Pathological Alterations in the Fish *Oreochromis mossambicus* (Peters)”.

**Title:** “Studies on Sewage Water Induced Behavioral, Morphological and Gross Pathological Alterations in the Fish *Cyprinus carpio* (Linnaeus)”.

**M.Sc. LEVEL PROJECTS GUIDED & COMPLETED (5-Projects, 8-Students): 2019-20:**

**Title:** “Toxic Effect of *Bacillus thuringiensis* (Serotype 14) Bacteria shows Behavioural & Histological Changes on Mosquito Larvae”.

**Title:** “Synthesis and Characterization of Colloidal Solution Silver Nanoparticles Effect on Behavioural Changes and LC<sub>50</sub> value of Fish *Cyprinus carpio* (Linnaeus)”.

**Title:** “Toxic Effect of Green Synthesized Silver Nanoparticles on Fish Tilapia, *Oreochromis mossambicus* (Peters)”.

**Title:** “Bacteria *Bacillus thuringiensis* (Serotype 14) crystal toxins shows non-toxic effects on fingerlings freshwater fish *Cyprinus carpio* against the mosquito larvae”.

**Title:** “Synthesis and Characterization of *Moringa oleifera* Copper Nanoparticles Shows Toxic Effect on Fish *Cirrhinus mrigala*”.

## **M.Sc. LEVEL PROJECTS COORDINATOR & COMPLETED (2-Projects, 8-Students):**

**2020-21:**

**Title:** “Acute Oral Toxicity Study of Polyherbal Formulation (Rosmarinus officinalis, Ashwagandha and Amla) in Wister Rat”.

**Title:** “Acute Oral Toxicity Study of Polyherbal Formulation (Rosmarinus officinalis and Withania somnifera in 3:1 Ratio) in Wister Rats”.

### **ORAL PRESENTATIONS SELECTED:**

- National Seminar on Aquatic Toxicology and Biodiversity, from 18<sup>th</sup> to 20<sup>th</sup> Feb.2010, Acharya Nagarjuna University, Guntur, A.P. **(Selected)**
- Topic-“Sodium cyanide induced alterations in protein metabolic profiles of freshwater fish, *Labeo rohita* (Hamilton)” **(Selected)**
- Topic-“Deltamethrin induced alterations in the ionic concentrations and associated Adenosine triphosphatases in freshwater teleost *Cyprinus carpio* (Linnaeus)” **(Selected)**
- Topic-“Bacteria *Bacillus thuringiensis* (Serotype 14) crystal toxins shows non-toxic effects on fingerlings freshwater fish *Cyprinus carpio* against the mosquito larvae”. 12<sup>th</sup> National Conference on VECTOR-BORNE AND ZOONOTIC DISEASES: from 25<sup>th</sup> – 26<sup>th</sup> November 2019, Zoological Survey of India, New Alipore Kolkata, West Bengal-700053. **(Selected)**

### **BEST RESEARCH AWARDS FOR ORAL AND POSTER PRESENTATIONS:**

- **Topic:** “Toxic effect of Biochemical and Morphological Changes on Carp (*Cyprinus carpio*) Exposed to Cadmium Chloride” Ministry of Environment, Forest & Climate Change, Government of India Sponsored Two Day National Conference on “Current Status of Faunal Diversity of Mangrove Ecosystem in India” 1st - 2nd July, 2017 Conducted by Zoological Survey of India, Kolkata, West Bengal, India. **(Poster)**

## **INTERNATIONAL KEY NOTE (INVITED SPEAKER) & APPRECIATION: 04**

1. **Day-1, Invited Speaker at 2-Days International Workshop** Conducted by Biosciences Research Support Foundation (BRSF) Nigeria, Egypt Country on 09-10/10/2020.
2. **Day-2, Invited Speaker at 2-Days International Workshop** Conducted by Biosciences Research Support Foundation (BRSF) Nigeria, Egypt Country on 09 to 10/10/2020.
3. **Invited Speaker at 4-Days International Conference: “Maintenance of A safe Life during the Pandemic”** Conducted by Biosciences Research Support Foundation (BRSF) Nigeria, Egypt Country on 24 to 27/09/2020.
4. Certificate of Appreciation, **Has Participated as an INVITED SPEAKER in Many International Virtual Workshops and Training Conferences in the Area of Improvement of Research Skills of Students and Youth Researchers during the Pandemic (2020-2021).**

## **AS A PROJECT NODAL OFFICER MADE 03 MOU WITH INTERNATIONAL RESEARCH INSTITUTES AND AGRI UNIVERSITY FOR RESEARCH PURPOSE: 2020-2021**

- A. MEMORANDUM OF UNDERSTANDING (MoU) BETWEEN **(12-06-2020)** TARANATH SHIKSHANA SAMSTHE LAXMI VENKATESH DESAI COLLEGE MANIK PRABHU TEMPLE ROAD RAICHUR-584 103 KARNATAKA, INDIA AND STELLIXIR BIOTECH PVT LTD No. V-31, 2nd FLOOR, 10th MAIN ROAD, 2nd STAGE, PEENYA, BENGALURU-560 058 KARNATAKA, INDIA.
- B. MEMORANDUM OF UNDERSTANDING (MoU) BETWEEN **(17-06-2020)** TARANATH SHIKSHANA SAMSTHE LAXMI VENKATESH DESAI COLLEGE MANIK PRABHU TEMPLE ROAD RAICHUR-584 103 KARNATAKA, INDIA AND RAICHEM MEDICARE PVT. LTD. Plot No: 24, 25, 26 & 26 P, RAICHUR INDUSTRIAL GROWTH CENTER, WADLOOR ROAD, CHIKKASUGUR-584 134, DIST: RAICHUR, KARNATAKA, INDIA.
- C. MEMORANDUM OF UNDERSTANDING (MoU) BETWEEN **(18-07-2021)** TARANATH SHIKSHANA SAMSTHE LAXMI VENKATESH DESAI COLLEGE MANIK PRABHU TEMPLE ROAD RAICHUR-584 103 KARNATAKA, INDIA AND UNIVERSITY OF AGRICULTURAL SCIENCES (RAICHUR) UAS CAMPUS, LINGASUGUR ROAD, RAICHUR – 584 104, KARNATAKA, INDIA.

**NATIONAL LEVEL UGC-NSQF PROJECTS SANCTIONED WORTH OF 66 LAKHS  
(NEW DIPLOMA COURSES): 02**

**UGC-NSQF: Advanced Diploma – 2 Years (41 Lakhs), (Life Sciences/Pre-Clinical Laboratory Training Course)** got sanctioned on 23<sup>rd</sup> September 2020.

**UGC-NSQF: Diploma – 1 Year (25 Lakhs), (Life Sciences/Biopharmaceutical Microbiology and Bioprocessing Microbial Techniques Training Course)** got sanctioned on 23<sup>rd</sup> September 2020.

**NATIONAL/INTERNATIONAL AWARD: 01**

InSc – INSTITUTE OF SCHOLARS RESEARCH EXCELLENCE AWARD-2020:

**Best Paper Award 2020: Paper Title - IJPBS-International Journal of Pharma and Bio Sciences. July 2019 “*Bacillus thuringiensis* (Serotype 14) Crystal toxins shows Non-toxic Effects on Fingerlings Freshwater fish *Cyprinus carpio* against the Mosquito larvae”.; ISSN-0975-6299: 10(3): P-71-79.**

### **LIFE MEMBERSHIPS: 03**

- Recognized as InSc Professional Membership **ID: InSc20200382** is Valid for Lifetime.
- “Life Member of Applied Zoologists Research Association” (**AZRA**) from the year 2019 his Life Membership number is **L345/20**.
- “Life Membership of The Indian Science Congress Association” (**ISCA**) from the year 2020 his Life Membership number is **L40381**.

### **INTERNATIONAL JOURNAL REVIEWER: 01**

InSc – INSTITUTE OF SCHOLARS REVIEWER-2020:

- Recognized as InSc Reviewer for the following Journal of Institute of Scholars for **InSc – International Journal of Basic and Applied Sciences**.

### **NCC–ANO/CTO BEST PERFORMER OF THE YEAR-2021:**

1. **I Got Appreciation as Best ANO/CTO Performer from CO & AO** of 35 KAR BN NCC RAICHUR on 19-02-2021, NCC 35 KAR BN **CAP as a Memento**.

### **RESEARCH PAPERS ORAL AND POSTER PRESENTATIONS SELECTED & PRESENTED:**

- **Topic:** “Assessment of Sodium Cyanide Toxicity on freshwater teleosts” International Conference on Environmental Pollution, Water conservation and Health, from 29<sup>th</sup> to 31<sup>st</sup> July 2010. Bangalore University, Bangalore, Karnataka. **(Oral)**
- **Topic:** “Toxic Effect of Carbohydrate Metabolism Changes on Carp (*Cyprinus carpio*) Exposed to Cadmium Chloride” One Day National Conference on 31st January 2018 “Emerging Trends and Approaches in Zoological Science” Organized by DOSR in Zoology, Tumkur University, Tumakuru, Karnataka, India. **(Oral)**
- **Topic:** “Toxic Effect of Bacteria *Bacillus thuringiensis* (Serotype) Against the Mosquito Larvae” 11th Annual KSTA Conference Jointly Organized by NMKRV College for Women, Bengaluru. **Theme:** New Vistas in Science & Technology for Common Goods, Dated on: 01st & 02nd February 2019 Karnataka, India. **(Oral)**
- **Topic:** “Behavioral and Respiratory Responses of the Freshwater Fish *Cyprinus carpio* (Linnaeus) Exposed to Cadmium chloride” UGC Sponsored National Conference on “Conservation of Biodiversity in Deccan Plateau” 10<sup>th</sup> Oct, 2014. Tumkur University, Tumkur, Karnataka, India. **(Poster)**

- **Topic:** “Cadmium Chloride - CdCl<sub>2</sub> Induced Behavioral and Morphological Changes: As an Early Response to Sub Lethal Toxicity in the Fish, *Cyprinus Carpio* (Linnaeus)” GOVT. OF INDIA, NEW DELHI Sponsored National Conference on “Application of Nanotechnology in Environmental Remediation” 7<sup>th</sup> Oct, 2015. Tumkur University, Tumakuru, Karnataka, India. **(Poster)**
- **Topic:** “Histopathological Changes in Liver and Kidney of FreshWater Fish *Cyprinus carpio* (Linnaeus) Exposed to Cadmium Chloride - CdCl<sub>2</sub>” AABS Sponsored International Symposium on “Biodiversity, Agriculture, Environment and Forestry” 11<sup>th</sup> – 12<sup>th</sup> Dec, 2015 held at Fortune Hotel Sullivan Court, Ooty, Tamil Nadu, South India. **(Poster)**
- **Topic:** “Toxic effect of Biochemical and Morphological Changes on Carp (*Cyprinus carpio*) Exposed to Cadmium Chloride” Mangalore University Faculty of Science and Technology & The Indian Science Congress Association Bangalore Chapter Sponsored Two Day National Conference on “Reaching the Unreached through Science & Technology: Recent Advances in Physical, Chemical, Mathematical and Biological Sciences for Energy, Health and Environment” held 8<sup>th</sup> – 9<sup>th</sup> Sept, 2017 at Mangala Auditorium, Mangalore University, Mangalore Karnataka, India. **(Poster)**
- **Topic:** “Impact of Sewage Water on the Changes in Behaviour and Body Weight of a FreshWater Fish, *Cyprinus carpio* (Linnaeus)” One Day National Conference on 31<sup>st</sup> January 2018 “Emerging Trends and Approaches in Zoological Science” Organized by DOSR in Zoology, Tumkur University, Tumakuru, Karnataka, India. **(Poster)**
- **Topic:** “Impact of Industrial Effluent on the Changes in Behaviour and Body Weight of a FreshWater Fish, *Labeo rohita* (Hamilton)” One Day National Conference on 31<sup>st</sup> January 2018 “Emerging Trends and Approaches in Zoological Science” Organized by DOSR in Zoology, Tumkur University, Tumakuru, Karnataka, India. **(Poster)**
- **Topic:** “Impact of Sewage Water on the Changes in Behaviour and Body Weight of a FreshWater Fish, *Cyprinus carpio* (Linnaeus)” 11<sup>th</sup> Annual KSTA Conference Jointly Organized by NMKRV College for Women, Bengaluru. **Theme:** New Vistas in Science & Technology for Common Goods, Dated on: 01<sup>st</sup> & 02<sup>nd</sup> February 2019 Karnataka, India. **(Poster)**
- **Topic:** “Toxic Effect of Bacteria *Bacillus thuringiensis* (Serotype) Against the Mosquito Larvae” 11<sup>th</sup> Annual KSTA Conference Jointly Organized by NMKRV College for Women, Bengaluru. **Theme:** New Vistas in Science & Technology for Common Goods, Dated on: 01<sup>st</sup> & 02<sup>nd</sup> February 2019 Karnataka, India. **(Poster)**
- **Topic:** “Toxic Effect of Green Synthesized Silver Nanoparticles on Fish Tilapia, *Oreochromis mossambicus* (Peters)”. INDIA’s I<sup>st</sup> NEIS-“National Environmental Innovation Summit” Organized by Department of Studies and Research in Environmental Science, During 29<sup>th</sup> and 30<sup>th</sup> April 2019, Tumkur University, Tumakuru, Karnataka, India. **(Model Demonstration & Poster Presentation)**

- **Topic:** “Toxic Effect of Green Synthesized Silver Nanoparticles on Freshwater Fish Tilapia, *Oreochromis mossambicus* (Peters)”. XVII AZRA International Conference Jointly Organized by UAS, Raichur, Karnataka, Applied Zoologists Research Association, Bhubaneswar, Odisha & Entomological Society of India, IARI, New Delhi. “Frontier Research in Applied Zoology and Insect Pest Management Strategies: A way Forward for Food and Nutritional Security” held from 12<sup>th</sup> to 14<sup>th</sup> February, 2020 at UAS, Raichur. **(Poster)**

#### **TRAINING/WORKSHOP/ORIENTATION/EXTENSION PROGRAMME ATTENDED:**

**One Day Workshop** on “Personality Development, Career Guidance & Communication Skills, organized by Karnataka Science College, Dharwad, on 20<sup>th</sup> March, 2007, in association with Students Welfare Development & Career Guidance Cell, K.U.D.

**One Day Botany Extension Programme** Conducted by Dept of Botany, Karnataka Science College, Dharwad, on 26<sup>th</sup> March, 2007 at Holti-Kote Village. Karnataka, India.

**One Day Training/Seminar** in life prevention and firefighting (Both Theory and Practical) held on 17<sup>th</sup> Oct, 2011 at Tumkur, Karnataka, India.

**Two Day National Level Workshop** Organized by Dept of Mechanical Engineering in association with Dept of Chemistry under TEQIP II 1.2, on “Polymers and Composite Materials” Dated: 25<sup>th</sup> and 26<sup>th</sup> of June, 2013 by Sri Siddhartha Institute of Technology, Maralur, Tumkur - 572 105 Tumkur, Karnataka, India.

**One Day National Level Workshop** on ‘Statistical Package for Social Science (SPSS) Application on Data Analysis’ Organised by Tumkur University Library in Association with Tumkur District Library Association Conducted on Dated: 21<sup>th</sup> January, 2017 Tumakuru, Karnataka, India.

**Five Day National Level Workshop** on “Hands on Training on Advance Techniques in Biotechnology” 7<sup>th</sup> - 11<sup>th</sup> June, 2017 Conducted by Dept. of Biotechnology, Gulbarga University, Kalaburagi, Karnataka, India.

**One Day Workshop** on “IQAC Functioning and New Methodology of NAAC” held on 14<sup>th</sup> October, 2017 at Tumkur University, Tumakuru, Karnataka, India.

**Central Vigilance Commission ‘Certificate of Commitment’** This is certified that **Dr. Shivaraj Y** has adopted the Integrity Pledge and is committed to uphold highest standards of honesty & integrity and to follow probity and rule of law in all walks of life. Government of India.

**One Day Orientation Program ‘Orientation on Field Ecology’** Anveshane Explore Nature held at Devarayanadurga State Forest, Tumakuru on 11<sup>th</sup> November, 2017 Conducted by DOSR in Zoology, Tumkur University Coordinate with Avani Academy for Nature Tumakuru. Karnataka, India.

**One Day Human Rights Training Programme on “Rights of Child”** Dated on 23<sup>rd</sup> March 2018, Sponsored by NHRC-New Delhi and Organized by Dept. of Political Science, University College of Arts, Tumkur University, Tumakuru, Karnataka, India.

**One Day Workshop “Orientation on Field Ecology”** Anveshane Explore Nature held at Devarayanadurga State Forest, Tumakuru on 13<sup>th</sup> October, 2018 Conducted by DOSR in Zoology, Tumkur University Coordinate with Avani Academy for Nature Tumakuru. Karnataka, India.

**One Day National Research Workshop on “Biotechnology for Conservation: The Way Forward”** Dated on 30<sup>th</sup> November 2018, Organized by DOSR in Environmental Science & DOSR in Biotechnology at Tumkur University, Tumakuru, Karnataka, India.

**Two Day National Level Research Workshop on “Unravelling the Intricacies of Bioinformatics and Systems Biology for Sustainable Development”** Dated on 25<sup>th</sup> and 26<sup>th</sup> April 2019 Organized by Department of Studies and Research in Biotechnology, Tumkur University, Tumakuru, in association with **Indo-French Centre for the Promotion of Advanced Research, New Delhi.**

#### **SEMINAR/CONFERENCE/SYMPOSIUM ATTENDED:**

1. **One Day Seminar** on “Atomic Energy for Development of the Nation” organized at, Karnataka Science College, Dharwad, on Saturday 2<sup>nd</sup> September, 2006, in association with the Indian Nuclear Society.
2. **Three Day National Seminar** on Aquatic Toxicology and Biodiversity, from 18<sup>th</sup> to 20<sup>th</sup> Feb, 2010 Acharya Nagarjuna University, Guntur, A.P. India.
3. **Three Day International Conference** on Environmental Pollution, Water conservation and Health, from 29<sup>th</sup> to 31<sup>st</sup> July, 2010. Bangalore University, Bangalore, Karnataka. India.
4. **Three Day International Conference** on Biodiversity and Aquatic Toxicology, from 12<sup>th</sup> to 14<sup>th</sup> Feb, 2011 Acharya Nagarjuna University, Guntur, A.P. India.
5. **Two Day National Level Conference** on Biodiversity and Sustainable Development, from 20<sup>th</sup> and 21<sup>st</sup> August, 2011. Conducted by Sree Siddaganga College of Arts, Science & Commerce Tumkur, Karnataka. India.
6. **One Day National Conference** on Biotechnological Approaches for Sustainable Environmental Management Conducted by Karnataka State Higher Education Council, Bangalore, on 22<sup>nd</sup> January, 2013. In Association with Centers for Bioinformation/Bioscience and Innovation Tumkur University, Tumkur. Karnataka. India.

7. **One Day Symposium** Held on Wednesday, 4<sup>th</sup> September, 2013. “Novel Strategies for Toxicological Risk Assessments” Sponsored/Organized by Society of Toxicology, India & Safety & Environmental Assurance Centre, Unilever R & D, Bangalore, Karnataka, India.
8. **BioAsia 2014 Innovates, Evolve, Three Day International Conference** Attended, from 17<sup>th</sup> -19<sup>th</sup> Feb, 2014 at HICC, Hyderabad, A.P. India.
9. **One Day National Conference** on Biotechnology for Human Welfare on 27<sup>th</sup> Sept, 2014 UGC Sponsored one day by Dept. of Biotechnology, University College of Science, Tumkur University, Tumkur, Karnataka. India.
10. **One Day National Conference** on “Human Rights: Contemporary Issues and Challenges” 28<sup>th</sup> Jan, 2017 held at Tumkur University, Tumakuru, Karnataka, India.
11. **Two Day National Conference** on “Current Status of Freshwater Faunal Diversity in India” Dated: 26<sup>th</sup> & 27<sup>th</sup> May, 2017 Organized by, Freshwater Biology Regional Centre, Zoological Survey of India, Hyderabad. Telangana State, India.
12. **Two Day National Conference** on “Medical and Aromatic Plants” Conducted by Dept of PG Studies & Research in Botany and Dept of Biotechnology, Shridevi PG Centre & Charitable Trust, Tumakuru on 12<sup>th</sup> & 13<sup>th</sup> June, 2017 held at Tumkur University, Tumakuru, Karnataka, India.
13. **Three Day International Conference** on “Advances in Disease Management for Human Welfare” Dated: 21<sup>th</sup> to 23<sup>rd</sup> November 2017. Organized by Hyderabad Karnataka Region Development Board (HKRDB) Kalaburagi, Karnataka, India. In Collaboration with Gulbarga University, Kalaburagi, Karnataka, India.
14. **One Day National Conference** on “Recent Trends in Sustainable Development of Biodiversity and Management” held on 12<sup>th</sup> January 2018. Organized by the Dept. of Zoology, University College of Science at Tumkur University, Tumakuru, Karnataka, India.
15. **One Day National Conference** on “Emerging Trends and Approaches in Zoological Science” held on 31<sup>st</sup> January 2018. Organized by DOSR in Zoology, Tumkur University, Tumakuru, Karnataka, India.
16. **One Day National Conference** on “Recent Trends in Plant Science”-RTPS held on 25<sup>th</sup> March 2019. Organized by IQAC & Dept. of Botany K.L.E. Society’s G. I. Bagewadi Arts, Science & Commerce College, Nipani-591237. Karnataka, India.
17. **One Day National Conference** on “Agriculture, Environment and Sustainable Development in India: Approaches, Problems and Way Forward” held on 30<sup>th</sup> March 2019. Organized by Prof. M. D. Nanjundaswamy Adhyayana Peeta, in Association with

Dept. of Studies and Research in Economics, Tumkur University, Tumakuru, Karnataka,  
India.

## **ONLINE E-QUIZ AWARENESS PROGRAMME ATTENDED (2019-2021)**

Total number of E-Quiz: 17

## **ONLINE NATIONAL & INTERNATIONAL WEBINARS, WORKSHOPS & FDP (FACULTY DEVELOPMENT PROGRAMMES) ATTENDED (2019-2021)**

Total number of Webinars: 43

## **GOVERNMENT OF INDIA CONDUCTED ONLINE PLEDGE CERTIFICATES (2019-2021)**

Total number of Pledge Certificates: 43

## **BOOK CHAPTERS PUBLICATIONS**

1. **Book Chapter Accepted, Ref. No.: LTFAAH-02-03 (09-09-2021):** "Non-toxic effect of Bacteria *Bacillus thuringiensis* (Serotype 14) crystal on fingerlings fish *Cyprinus carpio* against the mosquito larvae" in the Book Titled "Latest trends in Fisheries and Aquatic Animal Health (Volume - 2)". ISBN: 978-93-91216-51-1. Book DOI: <https://doi.org/10.22271/ed.book.1302>.
2. **Book Chapter Accepted, Ref. No.: RTFAS-12-06 (13-09-2021):** "Green Synthesized Silver Nanoparticles shows Toxic Effect on Fish Tilapia, *Oreochromis mossambicus* (Peters)" in the Book Titled "Research Trends in Fisheries and Aquatic Sciences (Volume - 12)". ISBN: 978-93-91538-50-7. Book DOI: <https://doi.org/10.22271/ed.book.1308>.

## RESEARCH PUBLICATIONS

**Shivaraj, Dr. M. David and Dr. Ravi. K.B. (2011):** IJPBS - Int J Pharm. Bio. Sci. Spermatotoxicity Evaluation of Deltamethrin 1% + Chlorpyrifos 35% EC by Oral Gavage in Wistar Rats.; ISSN 0975 – 6299: P-261-268. [Impact Factor-SJIF-7.446 & SJR-0.12. DOI: <http://dx.doi.org/10.22376/ijpbs.2011.2.4.b261-268> & Scopus Indexed, Cross Mark & UGC Approved].

**Shivaraj and Asiya Nuzhat F.B. (2015):** IJPBA – Int. J Pharm & B Archives. Behavioral and Respiratory Responses of the Freshwater Fish, *Cyprinus carpio* (Linnaeus) exposed to Cadmium Chloride.; ISSN 0976 – 3333: P-12-16. [Impact Factor-IIFS-1.557 & ICV-5.07. DOI: <http://dx.doi.org/10.22377/ijpba.v1i1> & UGC Approved].

**Shivaraj and Asiya Nuzhat F.B. (2015):** Conference Proceedings, NSERB INDIA. Cadmium Chloride - CdCl<sub>2</sub> induced behavioural and morphological changes: as an early response to sub lethal toxicity in the fish, *cyprinus carpio* (linnaeus).; ISBN: 978-93-82694-23-6: P-17-19. [ISBN Conference Proceeding & UGC Approved].

**Shivaraj and Asiya Nuzhat F.B. (2016):** IJPBA – Int. J Pharm & B Archives. The Impact of Toxic Cadmium Chloride on the Hematological Parameters in Fresh Water Fish *Cyprinus carpio* (Linnaeus).; ISSN 0976 – 3333: P-38-44. [Impact Factor-IIFS-1.557 & ICV-5.07. DOI: <http://dx.doi.org/10.22377/ijpba.v1i1> & UGC Approved].

**Shivaraj and Asiya Nuzhat F.B. (2016):** IJAPBC – Int. J Adv. In Pharm, Bio & Chemistry. Effect of Cadmium Chloride on the Activity of ATPases in Functionally Different Tissues of Freshwater Fish, *Cyprinus carpio* (Linnaeus).; ISSN 2277 – 4688: P-380-385. [Impact Factor- GIF-0.675 & UGC Approved].

**Shivaraj and Asiya Nuzhat F.B. (2016):** ABI – International Journal (Acta Biologica Indica). Histopathological Changes in Liver and Kidney of Fresh Water Fish *Cyprinus carpio* (Linnaeus) Exposed to Cadmium Chloride.; pISSN 2319-1244, eISSN 2279 – 0160: 5 (1): P-108-116. [Impact Factor- ASI-3.0 & UGC Approved].

**Shivaraj Yallappa and Asiya Nuzhat F.B. (2017):** IJZS - International Journal of Zoology Studies. Toxic effect of biochemical and morphological changes on carp (*Cyprinus carpio*) exposed to cadmium chloride.; ISSN: 2455-7269: 2 (5): P-222-228. [Impact Factor- RJIF-5.14. UGC Approved & NAAS Rating].

**Shivaraj Yallappa and Asiya Nuzhat F.B. (2018):** IJFAS – International Journal of Fisheries and Aquatic Studies. Toxic effect of carbohydrate metabolism changes on carp (*Cyprinus carpio*) exposed to Cadmium Chloride.; E-ISSN: 2347-5129, P-ISSN:

**2394-0506: 6(2): P-364-371. [Impact Factor- ICV Poland-76.37, RJIF-5.69 & GIF-0.549. UGC Approved & NAAS Rating].**

**Shivaraj Yallappa, Asiya Nuzhat F.B and Rajesh R. (2018):** IJFAS – International Journal of Fisheries and Aquatic Studies. Impact of sewage water on the changes in behaviour and body weight of a freshwater fish, *Cyprinus carpio* (Linnaeus).; **E-ISSN: 2347-5129, P-ISSN: 2394-0506: 6(5): P-198-205. [Impact Factor- ICV Poland-76.37, RJIF-5.69 & GIF-0.549. UGC Approved & NAAS Rating].**

**Kaveri K.R, Dileepkumar T.H, Lakshmi A, Akshatha H.E, Asiya Nuzhat F.B, Rajesh R, Shivaraj Y. (2018):** IJZS - International Journal of Zoology Studies. Impact of Industrial Effluent on the Changes in Behaviour and Body Weight of a Freshwater fish Tilapia, *Oreochromis mossambicus* (Peters).; **ISSN: 2455-7269: 3(6): P-19-27. [Impact Factor- RJIF-5.14. UGC Approved & NAAS Rating].**

**Deepak T, Shashank A.S, Dr. Shivaraj Y and Dr. Asiya Nuzhat F.B. (2019):** JEZS-Journal of Entomology and Zoology Studies. Toxic effect of *Bacillus thuringiensis* (Serotype 14) bacteria shows behavioural & histological changes on mosquito larvae.; **E-ISSN: 2320-7078, P-ISSN: 2349-6800: 7(2): P-537-543. [Impact Factor-ICV-80.67, RJIF-5.48 & DOI: <http://dx.doi.org/10.22271/j.ento>. UGC Approved & NAAS Rating].**

**Dr. Chikkappa Udagani and Dr. Shivaraj Yallappa. (2019):** IJPBS-International Journal of Pharma and Bio Sciences. Synthesis and Characterization of Colloidal Solution Silver Nanoparticles Effect on Behavioural Changes and LC<sub>50</sub> value of fish *Cyprinus carpio* (Linnaeus).; **ISSN-0975-6299: 10(2): P-68-74. [Impact Factor-SJIF-7.446 & SJR-0.12. DOI: <http://dx.doi.org/10.22376/ijpbs.2011.2.4.b261-268> & Scopus Indexed, Cross Mark & UGC Approved].**

**Dr. Shivaraj Yallappa. (2019):** IJPBS-International Journal of Pharma and Bio Sciences. *Bacillus thuringiensis* (Serotype 14) Crystal toxins shows Non-toxic Effects on Fingerlings Freshwater fish *Cyprinus carpio* against the Mosquito larvae.; **ISSN-0975-6299: 10(3): P-71-79. [Impact Factor-SJIF-7.446 & SJR-0.12. DOI: <http://dx.doi.org/10.22376/ijpbs.2011.2.4.b261-268> & Scopus Indexed, Cross Mark & UGC Approved].**

**Dr. Chikkappa Udagani, Dr. Shivaraj Yallappa, Suman D P and Shruthinag N. (2020):** IJPBS-International Journal of Pharma and Bio Sciences. Synthesis and Characterization of *Moringa oleifera* Copper Nanoparticles Shows Toxic Effect on Fish *Cirrhinus mrigala*.; **ISSN-0975-6299: 11(1): P-51-58. [Impact Factor-SJIF-7.446 & SJR-0.12. DOI: <http://dx.doi.org/10.22376/ijpbs.2011.2.4.b261-268> & Scopus Indexed, Cross Mark & UGC Approved].**

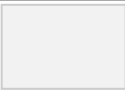
**Dr. Shivaraj Yallappa, Kaveri K R, Dr. Asiya Nuzhat F B and Dr. Vijaykumar K. (2020):** IJFAS – International Journal of Fisheries and Aquatic Studies. Toxic effect of green synthesized silver nanoparticles on freshwater fish tilapia, *Oreochromis mossambicus* (Peters).; E-ISSN: 2347-5129, P-ISSN: 2394-0506: 8(2): P-277-284. [Impact Factor- ICV Poland-76.37, RJIF-5.69 & GIF-0.549. UGC Approved & NAAS Rating].

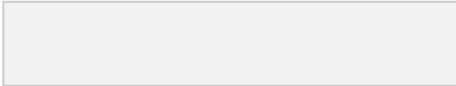
**Dr. Shivaraj Yallappa, Kaveri K R, Dr. Asiya Nuzhat F B and Rajesh R (2021):** JEZS-Journal of Entomology and Zoology Studies. Acute oral toxicity study of Polyherbal formulation (*Rosmarinus officinalis*, *Ashwaghandha* and *Amla*) in Wistar rats.; E-ISSN: 2320-7078, P-ISSN: 2349-6800: 9(4): P-16-27. [Impact Factor-ICV-80.67, RJIF-5.48 & DOI: <https://doi.org/10.22271/j.ento.2021.v9.i4a.8752>. UGC Approved & NAAS Rating].

## RESEARCH PUBLICATIONS CITATIONS

Citations	h-index
20	03

## REFERENCES

1. Dr. Asiya Nuzhat F.B Associate Professor & Co-ordinator, Dept. of studies & research in Zoology, Tumkur University, Tumakuru -572 103 Mobile: +91-9844029441 E-mail: <a href="mailto:drasiyanfb@gmail.com">drasiyanfb@gmail.com</a>	3. Dr. M. David Professor, Department of Zoology, Karnatak University, Dharwad - 580 001 Karnataka, India Mobile: +91-9845709815 E-mail: <a href="mailto:davidkcd@gmail.com">davidkcd@gmail.com</a>
2.  K.S. Rao, D.V. M., Ph. D., D.A.B.T. Chief Scientific Officer Rao Toxicology Foundation (RTF) Bangalore Area, Karnataka, India. Mob: +91-96208-51915 Land: +91-80-4090-1650 E-mail: <a href="mailto:ksrao.tox@gmail.com">ksrao.tox@gmail.com</a>	4. Dr. Ramesh Hallappa Group Manager at Evalueserve.Com Pvt Ltd. SJR I Park, Rd Number 9, EPIP Zone, Whitefield, Bangalore Area, Karnataka-560066 India. Mobile: +91-9901982781 Email: <a href="mailto:ramesh.kcd@gmail.com">ramesh.kcd@gmail.com</a>
5. Dr. Venkatesh B. Devaru Principal, LVD College, Raichur-584103 Mobile: +91-8073240807 Email: <a href="mailto:vdevaru@gmail.com">vdevaru@gmail.com</a>	



(Dr. Shivaraj Y)