

**Resumé**  
**Geetha Iyer, PhD**  
**Independent Consultant and Author in the fields of Education and Environment**

**Consultant**

- CIE, Cambridge, UK ( IGCSE Board)- Teacher Training programmes in Mongolia
- Sri Aurobindo International Educational Society- Curriculum design and Teacher training
- Dakshin Foundation, Bangalore. Train the team stationed at and working with schools in Andaman & Nicobar and plan for a contextually relevant EE programme

**Resource Person**

- Resource person KMTR : training eco-guides for school and Ecotourism programmes for Kalakkad-Mundanthurai Tiger Reserve;
- Resource person: Viswabarathi Vidyodaya, Gudalur- a school for children from tribal communities of Nilgiri district
- Science subject expert on the XSEED Advisory Panel- iDiscoveri Education Private Ltd

**Author**

- **‘Satpada Our world of Insects’**- A book on Insects published by Rishi Valley Education Centre.
- **‘Nature Quest’ for classes 9 & 10** - Textbooks on Environment education published by Orient Blackswan, India
- **‘Nature Watch’**- Bimonthly column on Natural History in the magazine **Teacher Plus** 2011-present
- **The world of insects** – 8 part series published by **Frontline** Vol. 28:: No. 16 to - Vol 28 :: No.24 2011.
- **Jewel in the Crown** – Article on Insects in Vol 30:No.2 of **Frontline**. 2013
- **‘Listen to the sounds at night’** –Article in Deccan Herald- 17.12.2012
- **Wild plants of Chennai** –(Illustrations by Sandhya Iyer) Bulletin of Madras Naturalists' Society - Vol. 21, No.9 to Vol. 23 No.4. 1999 – 2001

Written several articles for Journal of The Krishnamurti Schools on education; articles in Newsletters such as Pitta, Cobra (on owl and snakes respectively) and on owl for the BNHS magazine, Hornbill ; produced a booklet on plants for Rishi Valley school, etc etc.

**Conservation related :**

- Researcher - study moths, wasps and other insects at Kanyakumari wildlife Sanctuary and KMTR; photograph and document for the next book on Insects and for producing literature to create awareness about Biodiversity related issues
- Conducted a two-week long survey of and documented moths at forests of Garo Hills, Meghalaya
- Produced a photo poster on Butterflies of Kanyakumari Wildlife Sanctuary to raise awareness
- Assisted in producing a poster of Insects for Pakke Tiger Reserve, Arunachal Pradesh to be used in promoting ecotourism

**Experience in the area of design and execution of curriculum :**

- Environment education curriculum – Created and conducted the ‘Soil and moisture conservation programme’ which was a ‘General studies course’, for class 11/ISC students of Rishi Valley School.(**Year: 1994-1999**)
- Drafted a syllabus in biological sciences for teacher training programme of Krishnamurti Foundation of India(**2000**)

- Designed the Environment Science course for class 7 – ‘Understanding Environmental issues related to Water’. ( **2001**)
- Designed a course on Teacher Training; A programme for new Teacher Recruits at Sahyadri School during my tenure as Head and held the programme for three years.(**2002- 2005**)
- Member of the team that designed the Environment Application course for the ICSE board.(**2002**)
- Member of the team that revised the Environment Science course for class 12 of National Open School syllabus ( **2003**)
- Designed the upper primary science curriculum ( classes 5-7) for Atul Vidyalaya, Valsad.(**2005-2008**)
- Designed the curriculum in Env.Sc. and Science for classes 1-3 and 4-5 respectively for Lakshmi TVS Matriculation Higher Secondary School at Madurai.(**2006-07**)
- Formulated the curriculum on ‘Pedagogy and Educational Psychology’ for M Phil scholars of Scott Christian College ( Autonomous) Nagercoil (**2008**)
- Designed a curriculum in biology for high school students for my Ph.D degree (**2005**).
- Developed an integrated curriculum for vertically grouped middle school (Upper Primary) at Isha Home School, Coimbatore; trained teachers of ICSE & ISC classes and gave comprehensive training in school administration for select teachers and administrators( **2008 –2010**).
- Developed the course content for HOLE-IN-THE-WALL EDUCATION LTD New Delhi, as their Education Consultant.(**2009-2010**)
- Developed activities in Biology for “Yardstick” a group from Hyderabad committed to assisting schools in adding value to their science education. (**2010**).
- Resource person for Sreenidhi International School, Hyderabad - Curriculum support and Teacher training (ICSE,IGCSE &IB courses )(2008-2010)

### Experience in the field of teaching :

- 3 years – **Head of Sahyadri School KFI, Pune** an ICSE, fully residential, Co-educational English medium school (2002- 2005)
- 25 years – teaching science, biology, chemistry and environment sciences; experience from class 5-12.of which 10 years were at Rishi Valley School and 6 years at Apeejay School, Noida.
- Experience in all fields related to school education.
- Have learnt and taught abroad (at UK) for a brief period.

### Workshops conducted ( 1999 onwards)

- Stella Matutina College for Teachers, Chennai.
- Guest lectures for a **course in Educational Psychology and Pedagogy, created by me**, for M Phil students of Scott Christian College Nagercoil.
- Periyar Science and Technology Centre, Chennai [ & interior TN and Kerala]
- The Foundation for Sustainable Development, IIT Chennai.
- Shriram Educare, New Delhi.
- Kendriya Vidyalaya, Chennai.
- Future Focus Foundation, Ahmedabad.
- Schools of Krishnamurti Foundation of India.
- CHIRAG, Muketshwar, Uttaranchal
- Lokhandwala Foundation School, Mumbai.
- TVS schools, Madurai ( Curriculum development and teacher training at TVS schools, Madurai )
- SIDH, Mussorie
- Atul Vidyalaya, Valsaad - Teacher-training in Environment Education; training high school biology & chemistry teachers
- Vidyodaya School for Adivasis. Gudalur,Nilgiris.
- Good Earth School, Sriperembudur Taluk, Chennai.

- KMTR : Training programme on Ecotourism for forest personnel Presentations on Biodiversity (besides presentations in schools)
- Bombay Natural History Society, Mumbai.
- Madras Naturalists' Society, Chennai.

#### Papers presented : (samples )

- Gandhigram Rural Institute-Deemed University : Paper titled "A Framework for Environmental Education in Schools of Rural Areas" at their Workshop on Environmental Issues, conducted by the department of Applied Research
- Paper on Biology Curriculum was selected for cash award by NCERT's Department of Teacher Education during its competitive seminar on Innovative Practices in Teaching in the year 2002.
- Importance of Puppetry in Education- All India ICSE & ISC Principal's conference held at Lucknow in 2002
- " City for Birds, Trees and Nature" A talk given on World Habitat Day 1999 -Under the auspices of UNCHS for the year's theme " City for all" and published in their newsletter
- 'Making EE relevant to our times'- Paper selected as one of the 5 best papers by Regional Institute of Education (NCERT) Mysore ; invited to present it at their Regional Seminar on January 25, 2008

#### Field of Expertise & Interest

1. Curriculum development that
  - Is student friendly and child-centered
  - Promotes thinking skills
  - Promotes integration amongst subjects of study
  - Is contextually related to the school's and the student's environment.
2. Training teachers in the execution of curriculum of IGCSE and IB school boards
3. Design and execution of integrated curriculum for Upper primary
4. Design and execution of contextually relevant curriculum in science for -
  - Primary and Upper Primary levels
  - Environment Science/Education at all levels in a school
5. Develop curriculum for courses in education/teacher education
6. Training Teachers for effective & creative transaction of curriculum
7. Teacher training on:
  - Developing thinking skills (and HOTS),
  - Designing and conducting projects (methodology) effectively;
  - Assessing learning outcomes, techniques for continuous assessment,
  - Exploring 'questions' to understand how they drive the learning process
  - Process skills and assessment.
  - Field studies for biology /Environment education courses
8. Photography : Photographing natural world and its denizens

#### Educational Qualifications –

Ph.D in Education ( curriculum), B.Sc. Zoology, both from Madras University ; an M.Ed from Madurai Kamaraj University.

'Living Science Creatively' - Schumacher College, Devon, UK on a full scholarship.

'Oceans and their Biodiversity' Online courses conducted by NOAA, USA.

## Memberships and other responsibilities

Life Member of  
Bombay Natural History Society, Mumbai.  
Madras Naturalists' Society, Chennai, and  
INTACH, India.

- Trustee, Centre for Plants ,People and Ecosystems, Tambaram, Chennai.
- Member, Advisory Board, akshar árbol International School, Chennai
- Member, Editorial Review Board, Science Education Review, Australia.
- Visiting Faculty [Honorary], Institute of Bird Studies & Natural History, Rishi Valley Education Centre, KFI, Andhra Pradesh

Contact

Email : [scopsowl@gmail.com](mailto:scopsowl@gmail.com)

[www.biologyeducation.net](http://www.biologyeducation.net)

*Geetha Iyer*