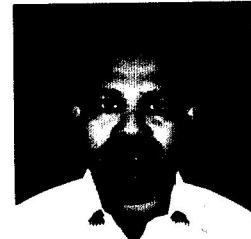




**International Sericultural Commission**  
*Volunteer Expert Programme*



**PERSONAL HISTORY STATEMENT (PHS)**



1. Family Name:		Other names: S.MANTHIRA MOORTHY				
2. Birth date (dd/mm/yy):		14/05/68				
3. Nationality at Birth: INDIAN			4. Present Nationality: INDIAN			
5. Gender: Male <input checked="" type="checkbox"/> Female <input type="checkbox"/>		6. Single <input type="checkbox"/> Married <input checked="" type="checkbox"/> Divorced <input type="checkbox"/> Separated <input type="checkbox"/> Widowed <input type="checkbox"/>				
7. Current mailing address: (Valid until: / /) CENTRAL SERICULTURAL RESEARCH & TRAINING INSTITUTE, SRIRAMPURA, MYSORE-570 008, KARNATA, INDIA Telephone(s): +91-9481821244 +91-8212362757 Fax: +91821-2362845 Email: moorthysm68@gmail.com			8. Permanent mailing address: Dr. S.MANTHIRA MOORTHY NO.21, THIRUVALLUVAR WEST STREET AMMANPURAM, TIRUCHENDUR (TALUK) TUTICORIN (DT), TAMILNADU PIN: 628 201 Telephone(s): (country & city code) Fax: Email: moorthysm68@gmail.com			
9. Your Profession: SCIENTIST-D Main field(s) of specialization: (a) SILKWORM BREEDING AND MOLECULAR BIOLOGY (b) SILKWORM REARING TECHNOLOGY			10. What is the maximum period of assignment that can be taken up by you? (month/year)  ONE YEAR			
			11. When are you available for an assignment? (month/year)  ANY TIME			



12. Are you presently employed?

How many weeks do you need to report to the duty station from the time your appointment is confirmed?

THREE - FOUR WEEKS

13. What is your mother tongue? TAMIL

14. Other languages: (enter 4 for fluent, 3 for good, 2 for fair and 1 for basic)

Other languages	Read	Write	Speak	Understand
a) ENGLISH	4	4	4	4
b) HINDI	3	2	4	4

Note: If selected for a VEP assignment, your language ability will be tested during the interview.

15. University or equivalent, technical education, vocational or other types of training (of more than six months' duration only): From/to (month/year) Institution (city/ country) Main field of Study Degree/ diploma obtained

a) 2006 VIDYASAGAR UNIVERSITY, MIDNAPUR, WEST BENGAL, ZOOLOGY- Ph.D

b) 1990 MADURAI KAMARAJAR UNIVERSITY, MADURAI, TAMILNADU, ZOOLOGY M.Sc.,

16. Detail your work experience, in reverse chronological order, **starting with the present or most recent one**

(a) Employer / Organization:

MEMBER SECRETARY,  
CENTRAL SILK BOARD, MINISTRY OF  
TEXTILES, GOVERNMENT OF INDIA,  
BANGALORE

Work Location: CSR&TI, MYSORE

Description of major activities:

1. RESEARCH ON SILKWORM BREEDING AND  
MOLECULAR BIOLOGY
2. TEACHING & TRAINING IN SERICULTURE

Your functional title:

SCIENTIST-D

Period of work: SINCE 26<sup>th</sup> FEB,2014

Reason for leaving:

CONTINUED



<p>(b) Employer / Organization: MEMBER SECRETARY, CENTRAL SILK BOARD, MINISTRY OF TEXTILES, GOVERNMENT OF INDIA , BANGALORE</p> <p>Work Location: CSR&amp;TI, MYSORE</p> <p>Description of major activities:</p> <ol style="list-style-type: none"><li>1. RESEARCH ON SILKWORM BREEDING AND MOLECULAR BIOLOGY</li><li>2. TEACHING &amp; TRAINING IN SERICULTURE</li></ol>	<p>Your functional title: SCIENTIST-C</p> <p>Period of work: 25<sup>TH</sup> MAY 2009 TO 25<sup>TH</sup> FEB 2014</p> <p>Reason for leaving: PROMOTED AS SCIENTIST-D</p>
<p>(C ) Employer / Organization: MEMBER SECRETARY, CENTRAL SILK BOARD, MINISTRY OF TEXTILES, GOVERNMENT OF INDIA , BANGALORE</p> <p>Work Location: CSR&amp;TI, BERHAMPORE</p> <p>Description of major activities:</p> <ol style="list-style-type: none"><li>1.RESEARCH ON SILKWORM BREEDING AND MOLECULAR BIOLOGY</li><li>2.TEACHING &amp; TRAINING IN SERICULTURE</li></ol>	<p>Your functional title: SCIENTIST-C</p> <p>Period of work: 1<sup>ST</sup> JULY 2008 TO 24<sup>TH</sup> MAY 2009</p> <p>Reason for leaving: TRANSFERRED TO CSRTI, MYSORE</p>
<p>(d) Employer / Organization: MEMBER SECRETARY, CENTRAL SILK BOARD, MINISTRY OF TEXTILES, GOVERNMENT OF INDIA , BANGALORE</p> <p>Work Location: CSR&amp;TI, BERHAMPORE</p> <p>Description of major activities:</p> <ol style="list-style-type: none"><li>1) RESEARCH ON SILKWORM BREEDING AND BIOCHEMICAL ASPECTS</li><li>2) TEACHING &amp; TRAINING IN SERICULTURE</li></ol>	<p>Your functional title: SCIENTIST-B</p> <p>Period of work: 1<sup>ST</sup> JAN 2004 TO 31<sup>ST</sup> JUNE 2008</p> <p>Reason for leaving: CONTINUED</p>
<p>( e) Employer / Organization: MEMBER SECRETARY, CENTRAL SILK BOARD, MINISTRY OF TEXTILES, GOVERNMENT OF INDIA , BANGALORE</p>	<p>Your functional title: SENIOR RESEARCH ASSISTANT</p>



Work Location: CSR&TI, BERHAMPORE Description of major activities: <ol style="list-style-type: none"><li>1. RESEARCH ON SILKWORM BREEDING AND BIOCHEMICAL ASPECTS</li><li>2. TEACHING &amp; TRAINING IN SERICULTURE</li></ol>	Period of work: 5 <sup>th</sup> JAN, 1994 TO 31 <sup>ST</sup> DEC, 2003  Reason for leaving: CONTINUED
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17. Can ISC contact your present or most recent employer? <i>If yes, please provide telephone number.</i>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
18. Do you have any previous volunteer experience? <i>If yes, please elaborate.</i>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

19. Have you ever taught and/ or trained others? Yes  No   
*If yes, please provide details*

#### **EXPERIENCE IN TEACHING & HRD (PERIOD:1994-TILL DATE)**

##### **CSRTI, BERHAMPORE (1994-2008)**

###### **I) TEACHING: HANDLED CLASSES FOR THE STUDENTS OF STRUCTURED AND NON-STRUCTURED COURSES**

**STRUCTURED:** SHORT TERM COURSE (STC), POST GRADUATE DIPLOMA IN SERICULTURE

**NON-STRUCTURED:** ON JOB TRAINING (BSC, DEGREE STUDENTS OF DIFFERENT COLLEGES) AND NEED BASED TRAINING FOR INSERVICE CANDIDATES FROM STATE AND CENTRAL SILK BOARD OFFICIALS

##### **CSRTI, MYSORE(2009 TO TILL DATE)**

NEED BASED TRAINING FOR INSERVICE CANDIDATES FROM STATE AND CENTRAL SILK BOARD OFFICIALS AND FARMERS OF DIFFERENT STATES

##### **INTERNATIONAL**

TRAINED FOREIGN OFFICIALS FROM MEXICO (3.07.12 to 04.07.12) AND

BANGLADESH (23.8/28.8/5.9.13) ON SILKWORM BREEDING

##### **II) GUIDANCE TO STUDENTS**

- ❖ CONDUCTED INTERNSHIP PROGRAMME FOR THE STUDENTS FROM MADRAS UNIVERSITY, CHENNAI FROM 11.06.12 TO 20.06.12.
- ❖ CONDUCTED INTERNSHIP PROGRAMME ON "MOLECULAR ASPECTS IN SILKWORM" FOR THREE STUDENTS FROM MADRAS UNIVERSITY, CHENNAI FROM 12.06.13 TO 26.06.13.
- ❖ GUIDED A STUDENT FOR DISSERTATION ON THE TOPIC. " ANALYSIS OF GENETIC DIVERSITY IN SOME SILKWORM BREEDS OF *BOMBYX MORI* THROUGH MOLECULAR MARKERS" OF P.ANUSHA, DEPARTMENT OF BIOTECHNOLOGY, ALAGAPPA UNIVERSITY, KARAIKUDI-630 003, TAMILANDU



20. If applicable, briefly outline work experience of less than six months (as per item 16):

ACTIVELY INVOLVED IN RESEARCH ON SILKWORM BREEDING, MOLECULAR BIOLOGY ASPECTS AND TRAINING PROGRAMMES IN SERICULTURE FOR TROPICAL CONDITIONS

21. If you have experience with computers, please explain how you have applied these skills in your area of professional expertise:

(a) *Specify software applications, programming languages, databases, operating systems, networks, etc. you have used*

1. MS WORD
2. MS EXCEL
3. MS POWER POINT

(b) UNDERGONE TRAINING IN "BASICS ON COMPUTER APPLICATION" AT MURSHIDABAD INSTITUTE OF TECHNOLOGY, BERHAMPORE FOR 7 DAYS

22. Do you have a valid driving license? Yes  No

passenger car  motorcycle  van (light truck)  truck  bus  other:

23. Person(s) to be contacted in case of emergency:

Name	Address	Telephone Number(n):
a) Mrs.M.KIRUBAI	NO.1, TYPE IV, CSRTI STAFF QUARTERS, VIDYARANYAPURAM, MYSORE PIN: 570 008	91+9035427992

24. Name of spouse: Nationality of spouse:

Mrs. Mrs.M.KIRUBAI INDIAN

25. Has your spouse ever submitted VEP PHS form? Yes  No  Not applicable

26. Are you in possession of a **valid** travel document? Yes  No  If yes, specify:

Passport: Other:

Number: F6416119 Place of issue: KOLKATTA Date of issue: 03 /03 /2006 Expiry date: 02 /03 /2016  
city/country dd/mm/yy dd/mm/yy

27. Mention any significant physical or psychological illness or disability you have, or have had, which would have a bearing on your assignment:

NOT APPLICABLE

28. Have you ever been arrested and/or been convicted (excluding minor traffic violations)? Yes  No  If yes, provide details:



29. Mention any relevant factors, any skills, interests, qualifications, geographical and cultural concerns not indicated elsewhere in this form:

**I) GEOGRAPHICAL AND CULTURAL CONCERNS :**

WORKED IN DIFFERENT PARTS OF INDIA (WEST BENGAL AND KARNATAKA) WHICH ARE CULTURALLY AND CLIMATICALLY DIFFERENT AND ACTIVELY PARTICIPATED IN LOCAL CULTURAL FUNCTIONS)

**(II) EXPERIENCE IN SILKWORM BREEDING-20YEARS**

FROM 1994 TO TILL DATE – ACTIVELY INVOLVED IN SILKWORM BREEDING PROGRAMME IN CSRTI, BERHAMPORE AND AT CSRTI, MYSORE, WHICH ARE CLIMATICALLY DIFFERENT AND REQUIREMENT OF BREED/ HYBRID IS DIFFERENT

**SILKWORM BREEDS/ HYBRIDS DEVELOPED:**

- DEVELOPED PROMISING BIVOLTINE SILKWORM BREEDS VIZ., SK3, SK4, SK6, SK7, D6(P), O3, D6(P)N AND SK4C ALONG WITH CO-WORKERS.
- ASSOCIATED WITH THE DEVELOPMENT OF PROMISING MULTIVOLTINE SILKWORM BREEDS VIZ., M12(W), M6DP(C), M6M81.
- IDENTIFIED ONE BIVOLTINE FOUNDATION CROSS (SK6 X SK7) FOR REARING DURING ADVERSE SEED CROP SEASONS AND WHICH IS COMMERCIALLY EXPLOITED IN EASTERN INDIA
- ASSOCIATED WITH THE DEVELOPMENT OF HYBRIDS VIZ.,
  - **MULTIVOLTINE X MULTIVOLTINE :** N X M12 (W), M12(W) X M6M81
  - **MULTIVOLTINE X BIVOLTINE :** N X YB, N X (SK6 X SK7), M6DP(C) X (SK6 X SK7), M6DP(C) X D6(P)N, M6DP (C) X SK4C, M6DP (C) X [D6(P)N X SK4C]
  - **BIVOLTINE X BIVOLTINE :** SK3 X SK4, D6(P)N X SK4C

**REGISTRATION OF SILKWORM BREEDS:**

- ❖ FOUR BIVOLTINE BREEDS VIZ., SK3, SK4, SK6 AND SK7 WERE REGISTERED IN CSGRC (CSB), HOSUR, TAMILNADU.



### C) SILKWORM HYBRIDS AUTHORIZED:

- ✓ TWO MULTI X BI SILKWORM HYBRIDS VIZ., N X (SK6 X SK7) AND M6DP (C) X SK4C DEVELOPED AT CSRTI, BERHAMPORE BY A TEAM INCLUDING ME (AS LEAD AUTHOR) HAVE BEEN AUTHORIZED BY CENTRAL SILK BOARD DURING XVI HYBRID AUTHORIZATION MEETING HELD AT CENTRAL SILK BOARD, BANGALORE ON 30.07.13.
- ✓ OF THESE HYBRIDS, N X (SK6 X SK7) HAD ALREADY BEEN EXPLOITED IN FIELD AND ANOTHER SIGNIFICANT ACHIEVEMENT IS THAT SK6 X SK7 (FOUNDATION CROSS-FC), A BOON TO SERICULTURISTS OF EASTERN INDIA SPECIALLY SEED GROWERS. IT IS HARDY BIVOLTINE FC DOING WELL IN DIFFERENT SEED CROP SEASONS IN ALL EASTERN AND NORTH EASTERN INDIA

### III) MOLECULAR BIOLOGY:

- ✓ DEVELOPED BIVOLTINE BREED, SK4C & D6(P)N USING ESTERASE BASED MARKER ASSSTED SELECTION
- ✓ IDENTIFIED TWO SSR MOLECULAR MARKERS LINKED TO THERMOTOLERANCE IN SILKWORM AND SAME MARKER IS BEING USED FOR DEVELOPING THERMOTOLERANT BIVOLTINE SILKWORM BREED/ HYBRID

### IV) INTERNATIONAL EXPOSURE :

- ✓ ATTENDED 6<sup>TH</sup> BACSA INTERNATIONAL CONFERENCE “BUILDING VALUE CHAINS IN SERICULTURE” “BISERICA” 2013 HELD AT PADUA, ITALY ON APRIL 7TH – 12TH 2013 AND PRESENTED THREE PAPERS (1-ORAL; 2-POSTER).

### V) AWARDS

- ✓ AWARDED BEST POSTER PRESENTATION FOR THE PAPER ENTITLED “FUNCTIONAL CLASSIFICATION OF ESTERASE AND THERMO STABILITY VARIANTS IN SILKWORM, *BOMBYX MORI* “ IN THE NATIONAL CONFERENCE ON “EMERGING TRENDS ON BIOLOGICAL RESEARCH” HELD AT DEPARTMENT OF ZOOLOGY, MADRAS UNIVERSITY, CHENNAI ON 22-23<sup>RD</sup> FEBRUARY 2011

### VI) PUBLICATIONS:

- 1.NATIONAL : 22
- 2.INTERNATONAL : 21
- 3.ABSTRACTS : 33
- 4.POPULAR ARTICLE: 05
- 5.BOOKS / CHAPTERS:02



## VII) PROJECTS HANDLED:

<b>At CSRTI, BERHAMPORE , WEST BENGAL (JANUARY 1994 TO MAY 2009)</b>	
<b>CODE AND PERIOD</b>	<b>NAME OF THE PROJECT</b>
AIB001 (1994-2000)	Improvement of Silkworm.
1994-2002& 2003-09	Maintenance of Bivoltine germplasm
Programme (2000-2002)	Provincial Race Authorization Programme
Programme (2002-2005)	Screening of high temperature and humidity tolerant silkworm hybrids developed by various institutes suitable for different crop seasons of West Bengal.
AIB3237 (2002-2007)	Utilization of Polyvoltine breeds for improvement of survival in Bivoltine silkworm, <i>Bombyx mori</i> L.
AIB 3349 (2005- 2007)	On farm trials of evolved Bivoltine and Multivoltine congenic breeds and their hybrid performance at farmers' level.
AIB3393 (2006- 2011)	Development of commercial hybrids of silkworm, <i>Bombyx mori</i> L. by identification of bivoltine parents through screening in different seasons of West Bengal
Project (2008-2011)	Physio-biochemical characterization of selected silkworm germplasm accessions during seed crop seasons
Programme (2007-2010)	Large scale testing of new silkworm hybrids
Programme (Apr'08-Mar'10)	Validation of new silkworm breed / hybrids at farm level
<b>AT CSRTI, MYSORE (JUNE 2009 TO TILL DATE)</b>	
SIM : 0006 (2009-2013)	Maintenance of Bivoltine silkworm breeds
AIT 3445 (2011-2015)	Development of Robust bivoltine silkworm hybrids of <i>Bombyx mori</i> L tolerant to high temperature environment of the tropics through DNA marker assisted selection
SEM:0007 (2009-2012)	Test Verification of newly developed silkworm breeds/ hybrids
AIB3506	Studies on thermo tolerance, heat shock protein synthesis during thermal shock and inbreeding in silkworm, <i>Bombyx mori</i> L,



30. References: List three persons, who are familiar with your character, work and qualifications (excluding relatives):

Full names:	Full address:	Telephone (country & city code)	Profession:
	CSRTI, MYSORE	91+9480116757	DIRECTOR
(a) DR. B.B. BINDROO	EX- DIRECTOR NATIONAL BUREAU OF AGRICULTURALLY IMPORTANT INSECTS (ICAR), BANGALORE	91+9442514120	RETIRED DIRECTOR
(b) DR. RABINDRA	TAMILNADU AGRICULTURE UNIVERSITY COIMBATORE TAMILNADU	91+9442614266	PROFESSOR
(c) PROF. MAHALINGAM			

31. Briefly explain your reasons for applying to become a ISC Volunteer:

1. I DESIRE TO TRAIN AND EMPOWER PEOPLE WITH DIFFERENT ASPECTS IN SERICULTURE USING MY 20 YEARS OF EXPERIENCE IN SILKWORM IMPROVEMENT
2. SERICULTURE IS A RURAL BASED INDUSTRY, WITH MY EXPERIENCE IN BREEDING I TRY TO HELP THE PEOPLE IN THE DEVELOPING COUNTRY TO UNDERTAKE SERICULTURE BY DEVELOPING SUITABLE SILKWORM BREEDS THEREBY REDUCING POVERTY ALEVATION.
3. I WISH TO DEVELOP EMPLOYABILITY SKILLS OF FELLOW HUMAN BEINGS ON HUMANITARIAN CONSIDERATIONS.

32. I certify that the statements made in answer to all the above questions are true, complete and correct to the best of my knowledge. I understand that any misrepresentation or omission made in this Personal History Statement form may render my candidature invalid or, if serving as a ISC Volunteer, liable for early termination of my contract. I have readand understood ISC's Conditions of Service and accept them in principle.

Date (day/month/year): 29 /03 /2014

  
Signature: