



## **Dr. Ravindra Singh Teotia**

### **Director (Retd)**

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### **Vision**

*To contribute for the development and growth of the industry at a faster rate with infusion of innovative technologies for increasing production, productivity and quality of silk in the country.*

- Completed B.Sc (1978), M.Sc (1980- first class first rank) & Ph.D (Botany-1987) from Meerut University, Uttar Pradesh, India.

### **Professional Experience**

- Currently **Director, Central Sericultural Research and Training Institute, Central Silk Board, Mysore, Karnataka, India** - Overall supervision of Research & Development activities of the Institute. Directing & Monitoring sericulture research for development of improved high yielding varieties of mulberry and silkworm using conventional and biotechnological and molecular approaches for varied climatic conditions, innovation of climatic resilience package of practices / technologies for cultivation of mulberry and rearing and production of bivoltine cocoons, mechanization for cost reduction to improve productivity and quality of silk in the country. Biomedical and biomaterial use of silk and seri-waste product development and utilizations to enhance income from silk industry. Developmental activities and implementation of different programmes in Southern India and to support DOS in improving sericulture status in the country.
- **Scientist-D (March 2012- Jan 2019), Central Silk Board, Bangalore-** Transfer of improved technologies through Formulation, Appraisal, Monitoring and Evaluation of Development Project / Schemes; Sourcing of funding , Coordination and Monitoring of Implementation of CDP, CSS, SGSY/ CPP/VCPP/ SCSP/ TSP/JICA/ NERTPS/ SGSY/UNDP/MGNREGS/ RKVY and other convergence projects/ programme both for mulberry and wild silk development with funding and implementing agencies and ex-situ eco-race conservation in nature.
- **Scientist-C (August 2006–March 2012), Central Silk Board, Bangalore** - Development Project / Schemes Formulation, Appraisal and Evaluation for project

approach of sericulture development through State Govts; Coordination and Monitoring of Implementation of CDP, SGSY, Externally funded projects of JICA and UNDP. Monitoring of Research & Development programmes & Training for Tasar, Muga and Eri silk.

➤ **Senior Research Officer / Scientist-B ( March, 1992 to 2006, Central Silk Board,**

Research on diseases forecasting and forewarning, development of control measures, bioassays of insecticides / fungicides and Monitoring of World Bank assisted National Sericulture Project for development of Mulberry Sericulture in Eastern India. Undertaken research for developing technologies for stabilization of Muga silkworm seed crops, package for Chowkie rearing on outdoor tree, invention of appliances for cocooning and mass scale seed production (Oviposition) and standardization of indoor rearing of muga silkworm upto chawkie stage.

Implementation & monitoring of development schemes of Central Silk Board in North Eastern States of India. Monitoring of UNDP sub programme implementation in NE States for wild silk, i.e. Muga and Eri silks. Development Project / Schemes Formulation, Appraisal and Evaluation, of Implementation of SGSY projects and development of Eri culture through product development and utilization through Non Government Orgnaization.

➤ **Senoir Research Assistant – Aug 1985 – Mar. 1992, Research Extension Center, Central Silk Board, Kishanganj, Bihar, India** -expansion and popularization of Mulberry Sericulture and transfer of Technologies

**Specialization :**

Research and Development of Mulberry and Vanya sector (Tasar, Muga and Eri) Silk industry for improved high yielding varieties of mulberry and silkworm using conventional and biotechnological and molecular approaches for varied climatic conditions, innovation of climatic resilience package of practices / technologies for cultivation of mulberry and rearing and production of bivoltine cocoons, mechanization for cost reduction to improve productivity and quality of silk in the country. Biomedical and biomaterial use of silk and seri-waste product development and utilizations to enhance income from silk industry.

**Formulation, Implementation, Monitoring and Evaluation of Developmental Schemes/ projects** like;- Catalytic Development Programme) CDP), Central Sector Schemes (CSS), North East Action Plan in NE, North East Region Textile Promotion Scheme (NERTPS), Japan International Collaboration Agency (JICA), UNDP Sub Programme, Special SGSY, MGNREGS, RKVY

## Major Interventions made for development of silk industry in the India

Transfer of Improved technologies to field through development project approach and converging with various schemes of Govt of India. Contributed greatly in **Formulation and implementation of need based CDP schemes for IX, X, XI and XII Plan** for Vanya sector to transfer improved packages and practices and machines in the field for improving production and productivity. Involved in Formulation, Coordination and implementation of following development project **since 2002**;

- i. **SGSY projects** in Assam, Arunachal Pradesh, Mizoram, Nagaland, MP and Uttarakhand;
- ii. **JBIC funded Manipur Sericulture project**;
- iii. **Perspective Plans** for development of silk industry in Bodoland, Bihar, Jharkhand, Uttarakhand and Chhattisgarh;
- iv. **Road map** for the development of Muga & Eri silk Industry in NE states;
- v. **Concept and model projects** for Convergence of MGNREGA & RKVY;
- vi. **Cluster development projects and Feasibility Studies** for sericulture Introduction in new potential areas;
- vii. **Appraisal of developmental Projects** received from Assam, Andhra Pradesh, U.P, M.P, H.P, Maharashtra, Mizoram, Uttarakhand;
- viii. **Consultancy for Marketing of Muga and Eri silk** in Assam under AICP of World bank assisted project,;
- ix. **Third party evaluation** of JBIC assisted Manipur Sericulture Project and 2 SGSY projects in Nagaland;
- x. **Formulation of 8 Integrated Bivoltine Sericulture Development Projects (IBSDP)** for all NE states and **9 Integrated Sericulture Development Projects (ISDP)** for development of Mulberry, Muga and Eri Silk industry in NE states with **assistance from NERTPS**;
- xi. **Soil to Silk** Tasar development project in Janjgir-Champa in Chhattisgarh; Development of **Oak Tasar Project** in Uttarakhand; **Soil to Silk** project for development of silk industry in Varanasi, UP for addressing production and supply of quality silk in these clusters;
- xii. **Vanya Cluster Promoton Programme (VCP)** for Tasar and its Coordination in 22 clusters to address the critical areas of seed production.
- xiii. **SCSP, TSP projects** of Central Silk Board for livelihood generation to marginal SC &ST families,
- xiv. **MGNREGS/ RKVY Convergence programmes** for plantation raising and infrastructure development.
- xv. Eco-race conservation and establishing **Vanya silkworm wild life sanctuaries** for multiplication of Vanya insect under natural conditions and livelihood generation through collection of Tasar, Muga, and Oak tasar cocoons from natural forest.
- xvi. **Formation of Mega Silk Clusters for bivoltine silk**

**Above intervention have helped the industry to grow at a faster rate with infusion of technologies during past two decades for increasing production, productivity and quality of silk in the country and sustenance of livelihood of large number of people dependant on sericulture income.**

## Appreciations:

- Contribution in expansion of mulberry sericulture in Purnea district of Bihar
- Contribution in R&D work done for stabilizing Muga seed crop
- Coordinating developmental Schemes like CDP, CSS, UNDP/ JICA and Mulberry Action Plan for mulberry sericulture development in North east India
- Perspective Plans and Road maps for the development of Mulberry and wild silks in 12 states
- Monitoring of **Manipur Sericulture Project** (Phase-I & Drafting of project proposal for Phase-II).
- Monitoring of SGSY programme in Uttarakhand
- Drafting of around **22 project proposals for funding under NERTPS scheme of Govt of India** for the development of mulberry and wild silks in North East India.
- Soil to silk programme for Tasar in Champa in Chhattisgarh and Varanasi in U.P.
- Oak Tasr development programme in Uttarakhand
- Successful organization of **International Conference of Wild Silkmoth ( ICWS)** during January 2018 at Guwahati and **6<sup>th</sup> Asia-Pacific Congress of Sericulture and Insect Biotechnology (APSERI)** at Mysore, during 2<sup>nd</sup> to 4<sup>th</sup> March 2019.

## Awards

-**Best Programme Supporting Official** (North East) for implementation UNDP sub programme of Non Mulberry silks in NE by UNDP & CSB (2000-01)

- **Life Time Achievement Award** by Society for Biotic and Environmental Research appreciating contributions made for the development of Silk Industry in the country.

## Country visited:

1. Thailand
2. China

## Technologies Developed:

- Standardized Mulberry cultivation package and fertilizer schedule in Bihar
- Control measure of Powdery Mildew, leaf spot, Red Rust, Tukra disease in mulberry
- Standardized Pruning and Brushing schedules of Muga seed and commercial crops
- Chawkie Rearing technology of Muga silkworm
- Egg laying device for mass scale grainage operation and cocooning
- Indoor Rearing Technology for muga silkworm
- Various products of muga and eri silk / pupae for diversified uses
- Convergence strategies for resource mobilization

## Academic and Developmental activities

- **Nodal Officer** for liaisoning and coordination for sericulture development with State Govts of Chhattisgarh, J&K, HP, Punjab, Haryana, Uttarakhand, Uttar Pradesh since 10 years
- **Member** of 60 committee constituted by CSB for formulation of development schemes/ projects, road maps, research programmes, perspective plans, diagnostic studies, project coordination, project appraisal and evaluation, conference/ exhibitions, resource utilization
- **Organization** of National (05) & International Workshops / Conferences (5), Symposia (06), Krishi Mela, Stakeholders Meet (20) and national level Exhibitions (10) organized by CSB as well as State level events during various developmental programmes like UNDP, SSGSY and CDP/ NERTPS, CSS implemented by CSB

## Trainings Undergone

- Bivoltine Cluster Promotion Programmes
- Writing Winning Research Proposals
- Project Management Training
- Rural Enterprise Technology
- Credit Support and Marketing linkages of Rural products under SSGSY
- National Trainer's Training, Training on Leadership programme,
- Agricultural Statistics
- Resource Development Programme etc.,

## Publications ( 130)

National	: 25
International	: 21
Book/Edited	: 10
Papers-Conference	: 24
Popular article	: 30
<u>Abstract</u>	<u>: 20</u>
<b><u>Total</u></b>	<b><u>: 130</u></b>

## **Details of Academic and Developmental activities carried out**

- A. Nodal Officer** for liasoning with State Govts of Chhattisgarh, J&K, HP, Punjab, Haryana, Uttarakhand, UP and extending technical advice for development of sericulture and silk production in these states. (since last 10 years).
- B. Acted as Member of the following committee constituted by Central Silk Board for the formulation of development schemes/ projects, road maps, perspective plans, diagnostic studies, project coordination, project appraisal and evaluation, conference/ exhibitions, etc.**
1. Committee for drafting **“silk to silk” project for development of silk industry in Varanasi, UP ( 2017)**
  2. Committee for screening of application for recruitment of scientist-B in CSB( 2017
  3. Committee for drafting **Oak Tasar Development projects** for Manipur and Nagaland states ( 2017)
  4. Committee for drafting **“silk to silk” project for Janjgir-Champa** in Chhattisgarh ( 2016)
  5. Committee for **drafting Perspective Plan for short term (2020), long term ( 2024) and vision ( 2030)** for development of silk industry in the country.( 2016)
  6. Committee for **delegation of financial powers to CSB officers ( 2016)**
  7. Committee for review and monitoring of **Vanya Cluster Promotion Programme (VCP)** in Tasar sector for promoting seed production in private sector.( 2015 onwards)
  8. Committee for **drafting Intensive Bivoltine project proposal for Uttarakhand under TSP. ( 2015)**
  9. **Member of Central Academic Council of CSB for sericulture training and PGDS courses( 2015)**
  10. Committee for **restructuring the Central Sector Scheme for 2015-17 ( Vanya Sector). 2014.**
  11. Committee for **drafting Vision 2020 for Chhattisgarh state.(2014)**
  12. Committee for Preparation of **Norms of Silk industry** (for Oak Tasar, Muga and Eri sectors)
  13. Committee for **drafting 16 Project proposals for NERTPS Scheme of MOT (2013 & 2014).**
  14. Committee for preparation of Modal project including unit cost and guidelines for **MGNREGA Convergence Scheme** for the Muga , Eri and Oak Tasar sector.

15. Committee for drafting “ **Sub group for Vanya sector for XII plan**” for development of unit cost of CDP schemes of Vanya Sector (Muga & Eri) for XII Plan. Formulated **unit cost of 21 Catalytic Development Schemes** of Vanya Sector (Muga & Eri) for XII Plan for the development of sericulture in the country (2012).
16. Committee for conducting **Third party evaluation** of Special SGSY Project on “Placement based skill development of Rural BPL youth in sericulture in Nagaland”.(2011 &2012)
17. **Third Party Ex-post Evaluation** of **Manipur Sericulture Project** (Phase-I) implemented by Govt. of Manipur
18. Committee for drafting Norms for “ **Compendium of norms for Sericulture & Silk Industry specifically for Muga and Eri sectors** (2012)
19. Committee for drafting “**Road Map for development of Muga & Eri silk Industries in North east**”(2012)
20. Committee for drafting the **Concept Paper** for on “**Sustainable Livelihood Creation in North Eastern and Central India through Vanya Silks**” for funding from FAO ( (Tasar, Muga and Eri sectors) (2012).
21. **Member of committee National Workshop on ‘Recent Advances in Post Cocoon technologies for Tasar silk Industry’** held on 11<sup>th</sup> July, 2012 at Ranchi, pp-96-109.
22. Committee for **Concurrent Evaluation of Special SGSY project for development of Mulberry Sericulture in Uttarakhand.**(2012)
23. Committee for developing **syllabus for Diploma Course in Sericulture in Meghalaya State.**(2012)
24. **Draft Project Report (DPR) of the Manipur Sericulture Project (Phase-II)** for external funding from JBIC. DPR formulated and submitted **February, 2010**.
25. Member for organizing Conference Member (Conference Committee) of the “ **Recent Advances in Sericulture Research**” jointly organized by Center for DNA Fingerprinting and Diagnostics, Hyderabad and Central Silk Board on 18<sup>th</sup> & 19<sup>th</sup> May, 2010 at Electronic City, Bangalore-100
26. Feasibility study of the project on “**Development of Ericulture in Bellary, Chitradurga & Davangere district of Karnataka**” submitted by KASARDS, Bijapur. **February, 2010**
27. **Member of committee for National Workshop on “ Unleashing Tribal Entrepreneurship: A new paradigm of Tasar development**” held on September 8-9, 2009 at B. Deoghar, Jharkhand. PP-126.
28. Development project on “**Empowerment and Socio-Economic Development of Women through Sericulture**” for external funding form UNDP. Project Report submitted in **November, 2009.**
29. Identify “**Problems of Seed Production in Eri Silkworm Seed Production Centres (Esspcs) of ESSO and Suggestions for Improvement**”. Evaluation Report Submitted report in **June, 2009.**
30. Feasibility study of the project on “**Development of Oak Tasar & Ericulture in Uttarakhand**” submitted by Appropriate Technology, India, Guptakashi, Uttarakhand. **October, 2009.**
31. Feasibility study of the project on “**Development of Ericulture in Udham Singh nagar of Uttarakhand**” submitted by GKVS, Haldwani. **October, 2009.**
32. Feasibility project report on “**Bivoltine Silk Development Project in Jammu & Kashmir**” for external funding form JBIC. **October, 2008.**
33. Concurrent Evaluation of **Manipur Sericulture Project (Phase-I) (2008-09)**

34. **Ten year Perspective Plan for the Development of Silk Industry In Bihar**". DPR of Perspective Plan submitted in **February, 2008**.
  35. **Ten year Perspective Plan for the Development of Silk Industry In Uttarakhand**". DPR of Perspective Plan submitted in **February, 2007**.
  36. Pilot Project for **“Organizing seed production, Reeling, Spinning, Weaving & Marketing of Muga & Eri silk Products in Assam**. **March, 2008**
  37. Consultancy study on **“Marketing Study of Muga & Eri silks in Assam (AACP-World Bank funded project)**. **October, 2007**.
  38. Drafting of **Central Sector CDP schemes for development of Muga & Eri sector for XI Plan ( 2006-07)**.
  39. **Ten year Perspective Plan for the Development of Silk Industry in Jharkhand**". Final DPR of Perspective Plan submitted in **September, 2006**.
  40. Served as member for evaluation of progress of **Sericulture under NEAP and Catalytic Development Schemes of CSB in North Eastern States** during IX plan Period (1999)
  41. Served as **Member of Evaluation Committees** for implementation of World bank assisted **National Sericulture Project** in Kishanganj, Bihar during VIII Plan ( 1994)
  42. Served as **Resource Person and Accredited Trainer** for various Resource Development Programmes conducted under UNDP sub-programme, Special SGSY, Manipur Sericulture Development Project, Technology Demonstration, Ericulture promotion in non-traditional states, CDP workshops, presentation on the perspective Plans, projects, VCPP, etc.
  43. **Coordinator** of many Resource Development Programmes and Trainer’s Training Programmes conducted as a part of implementation of Developmental project in Andhra Pradesh, Special SGSY for Assam and Arunachal Pradesh, Manipur Sericulture Project etc.
  44. **Question Paper setter** and evaluator of the answer scripts of PGDS in Tasar
- C. Delivered assistance in **Orgnisation** of National & International Workshops / Conferences, Symposia (06), Krishi Mela, Stakeholders Meet (03) and national level Exhibitions (02) organized by CSB as well as State level events during various developmental programmes like UNDP, SSGSY and CDP implemented by CSB.

## Important publications

### 1. Books Edited

1. SINHA, B.R.P., OJHA, N.G., GOEL, R. K., **TEOTIA, R. S.**, MOHANRAO, K.M., RAJASHEKAR, K., SATHYANARAYANA, K.S., AND KATHARI, V.P. (Eds.) **“Wild Silks of India” – A user Compendium. Vol. –I: An Introduction to Vanya Silks**. Published by Central Silk Board, Bangalore. PP. 193 (2006), Price Rs 500.00.
2. SINHA, B.R.P., OJHA, N.G., GOEL, R. K., **TEOTIA, R. S.**, MOHANRAO, K.M., RAJASHEKAR, K., SATHYANARAYANA, K.S., AND KATHARI, V.P. (Eds.) **“Wild Silks of India” – A user Compendium: Vol. II- Profiles of Farm Activities** ). Published by Central Silk Board, Bangalore, pp 220 (2009) Rs 500.00
3. MOHANRAO, K.M., **TEOTIA, R. S** AND SATHYANARAYANA, K.S. (Eds.) **Wild Silks of India - A Users Compendium’ Vol. III: Management Matrix,,** PP-199, Published by Central Silk Board, Bangalore, 2012. Rs 500.00
4. MOHANRAO, K.M., **TEOTIA, R. S;** SATHYANARAYANA, K.S. AND V.P.KATARI (Eds.) **Wild silks of India- A user Compendium: IV-**



- Management of Non farm activities**, PP-204, Published by Central Silk Board, Bangalore, 2013. Rs 500.00
5. **TEOTIA, R.S. AND UPADHYAY, S.K. (Eds) Purovottar ke liye Resham Utpadan Takneek.** Published by CSR&TI, Berhampore (W.B.), India, pp: 40, 1997, Price Rs 54.00. Govt. Press. Coimbatore, India
  6. **DAS,P.K., AMARNATH, S., CHOUDHUARY,B., TEOTIA, R.S., BAJPAYI, C.M., MISHRA, S.N. AND SHASHTRY,N. (2008) “Marketing study of Eri & Muga Silk Industry in Assam”- a study supported under Assam Agricultural Competitiveness Project (AACP) under World Bank project.** Published by Member Secretary, Central Silk Board, Bangalore. PP. 259 (2008),
  7. Sericulture success stories ( 2019)
  8. Mulberry Pest Management ( 2019)

## 2. International ( 20 best publications)

1. **TEOTIA, R.S. AND SEN, S.K. (1992) Mulberry diseases in India and their control. *Sericologia*, 34 (1): 1-18. ( Review)**
2. **SINGH, K. P., TEOTIA, R.S. AND SEN, S. K. (1993) Role of secondary micronutrients in mulberry cultivation. *Sericologia*, 34 (3): 401-413 ( Review)**
3. **TEOTIA, R.S., RAO, K. M. AND MANDAL, S. K. (1993) Influence of growth regulators on the development of leaf rust and powdery mildew in mulberry. *Sericologia*, 33(4): 669-673.**
4. **TEOTIA, R.S., MANDAL, S.K. AND SEN, S.K. (1994) Effect of foliar nutrition on the development of leaf spot disease of mulberry. *Sericologia*, 34 (1): 159-162.**
5. **TEOTIA, R.S., MANDAL, S.K., SEN, S.K. AND SINHA, S.S. (1994) Varietal resistance of mulberry to leaf rust caused by *Aecidium mori* Berclay. *Sericologia*, 34 (4): 759-763.**
6. **TEOTIA, R.S., SEN, S.K. AND SINHA, S.S. (1995) Effect of pruning time, genotypes and environmental factors on the development of *Cercospora moricola* Cook on mulberry. *Sericologia*, 35 (1): 99-104**
7. **TEOTIA, R.S., MANDAL, S.K. AND SEN, S.K. (1995) Studies on the fungicidal control of leaf rust disease (*Aecidium mori* Berclay) of mulberry. *Sericologia*, 35 (3): 555-557.**
8. **TEOTIA, R.S. AND SEN, S.K. (1997) Screening of high yielding mulberry varieties against bacterial blight disease. *Sericologia*, 37 (3): 529-532.**
9. **TEOTIA, R.S., SENGUPTA, T. AND DAS, C. (1997) Some physiological changes in black mildew (*Meliola amphitricha* Fr.) affected leaves of mulberry varieties. *Sericologia*, 37 (3): 535-538.**
10. **TEOTIA, R. S., ELANGO VAN, C. QUADRI, S.M.H. AND SARATCHANDRA, B. (1997) Field efficacy of systemic fungicides in controlling mulberry leaf rust caused by *Aecidium mori* Berclay. *Sericologia*, 37 (3): 541-546.**

11. **TEOTIA, R.S.** AND SEN, S.K. (1997) Effect of pruning time, genotypes and environmental factors on the development of *Aecidium mori* Berclay on mulberry. *Sericologia*, 37 (3): 551-555.
12. **TEOTIA, R.S.**, MANDAL, S.K. AND SEN, S.K. (1997) Evaluation of high yielding mulberry varieties against leaf spot (*Cercospora moricola* Cook) in West Bengal, India. *Bull Seric. Res.* 8 (2): 22-25.
13. GANGWAR, S.K., PRATHEESGKUMAR, P.M., ELANGO VAN, C, **TEOTIA, R.S.**, QUADRI, S.M.H. AND SARATCHANDRA, B.(1998) Response of Mulberry varieties to leaf rust ( *Cerotelium fici*) as influenced by fungicides. *Sericologia*.38 (4): 661-666.

### 3. National (20 best publications)

1. **TEOTIA, R.S.**, BISWAS, S. AND MANDAL, S.K. (1992) Some field observations on the severity of powdery mildew ( *Phyllactinia corylea* (Pers) Karst in mulberry. *Indian J. Sericulture*, 31 (1): 67-69.
2. **TEOTIA, R.S.**, CHOUDHARY, S.K. AND CHINIYA, P.K. (1992) Studies on effect of Calcium Ammonium Nitrate on growth and leaf yield of mulberry. *Indian J. Sericulture*, 31 (1): 31-36.
3. **RAO, A.A.**, **TEOTIA, R.S.**, CHAKRABORTY, S. CHAUHAN, S.S. AND SUBBA RAO, G.S.(1993) Studies on the seasonal incidence of mealy bugs ( *Maconellicoccus hirsutus*, ( Green) causing tukra on mulberry in West Bengal. *Indian J. Sericulture*, 32 (1): 111-113
4. BISWAS, S., MANDAL, S.K., **TEOTIA, R.S.**, NAIR, B.P. AND SENGUPTA, K. (1995) Intensity of mulberry powdery mildew in West Bengal with some measures to control. *Indian J. Sericulture*, 34 (2): 114-117.
5. **TEOTIA, R.S.** (1995) Black mildew- disease of mulberry (*Morus alba* L.). *Indian Phytopath.*, 48 (4): 489.
6. **TEOTIA, R.S.** (1995) Some new host records of fungi. *Indian Phytopath.*, 48 (4): 492.
7. **TEOTIA, R.S.**, SENGUPTA, T. AND DAS, C. (1997) Biochemical changes in the leaves of mulberry (*Morus alba* L.) infected by *Pseudocercospora mori* (Hara) Deighton. *Indian J. Sericulture*, 36 (2): 158-160.
8. SINGH, R. P., SINGH, L. AND **TEOTIA, R.S.** (1981) Effect of symbiotic and non-symbiotic nitrogen fixing bacteria on growth and seed germination of Soybean. *Acta Bot. Indica.*, 9: 104-109.
9. SINGH, R. P., SINGH, L. AND **TEOTIA, R.S.** (1981) Phylloplane mycoflora of Bragg and Clark-63 cultivars of Soybean. *Botanical Progress*, 4: 66-77.
10. **TEOTIA, R.S.** AND SINGH, L. (1981) Phylloplane mycoflora associated with the phylloclades of *Ruscus aculeatus* Linn. *Geobios*, 8: 173-174.
11. SINGH, R. P., SINGH, K.P. AND **TEOTIA, R.S.** (1981) Effect of growth regulators on the growth of sterile mycelia. *Environment India*, 4: 88-91.

12. SINGH, R. P., SINGH, L. AND **TEOTIA, R.S.** (1984) Mycoflora associated with various growth stages of pods of Soybean. *Acta Bot. Indica.*,12: 61-68.
13. SINGH, R. P., SINGH, K.P. AND **TEOTIA, R.S.** (1987) Aeromycoflora over three species of *Achyranthes, Cassia and Xanthium* in Meerut. *Bull. Pure & App. Sc.* V (B): 14-18.
14. SRIVASTAVA,S, SINGH, L. AND **TEOTIA, R.S.** (1987) Phylloplane mycoflora of *Achyranthes aspara*. *Vegetos*, 1(2): 101-106.
15. **TEOTIA, R.S.**, SINGH, L., SRIVASTAVA, S AND TEOTIA, N. (1988) Effect of powdery mildew infection on phylloplane fungi of *Xanthium strumarium* and *Cassia occidentalis*. *Acta Bot. Indica.*,16: 230-232.
16. **TEOTIA, R.S.**, SINGH, L. AND SINGH, K. P (1990) Studies on mycoflora associated with phylloclades of Cocoloba platycladoes FYM. *Indian Bot. Reporter*, 11 (1& 2): 70-72.
17. **TEOTIA, R.S.** (1993) Phylloplane mycoflora of some common weeds of Western Uttar Pradesh, India. *Acta Bot. Indica.*, 21: 252-255.
18. SINGH, K.P. **TEOTIA, R.S.** AND SINGH, L. (1995) Effect of maleic hydrazide on the leaf surface mycoflora of *Typha latifolia* L. *Advances in Biosciences*, 14(II): 19-24.

#### 4. Other Publications

##### 4.1 PROCEEDINGS EDITED

1. **TEOTIA, R.S.**, BAJPAYEE, C.M. AND GOGOI, D. (Eds) Compendium of the technical papers accepted for presentation at the Workshop on “**Development of Muga and Eri silk industries through improved technologies**” held on 13-14, June 2000 at North Lakhimpur, Assam: pp 54.(2000) Girija Printers and Publishers, Dispur, Guwahati-781006, Assam.
2. DEORI, S., **TEOTIA, R.S.** AND BAJPAYEE, C.M. (Eds) Souvenir of Workshop on “**Development of Muga and Eri Silk Industry – An initiative under United Nations Development Programme**” organized by Shanti Sadhana Ashram, Central Silk Board, and Department of Sericulture, Govt. of Assam, Guwahati on 21-22 November 2001 at Guwahati. PP : 30 (2001)
3. SARATCHANDRA, B.; SATHAYNARANAYAN, K.; **TEOTIA, R.S.** AND MOHAN RAO, K. (2011) (Eds): **Proceeding of workshop on “Unleashing Tribal Entrepreneurship: A new paradigm of Tasar development”** held on September 8-9, 2009 at B. Deoghar, Jharkhand. PP-126. ( **Published in 2011**)
4. BASU ARINDUM; JAVLI, U; **TEOTIA, R.S.**, SATHAYNARANAYAN, K. AND PADKI, N.V. (2012) (Eds): **Proceeding of National Workshop on ‘Recent Advances in Post Cocoon technologies for Tasar silk Industry’** held on 11<sup>th</sup> July, 2012 at Ranchi.

##### 4.2 Book Chapters/ Manual

MOHAN RAO, K., SATHYANARAYAN, K.S., **TEOTIA, R.S.**, AND AMARNATH, S (2009) Conservation and Utilization of Silkworm Genetic Resources- A novel Approach. **Indian Sericulture: Past, Present & Future (Eds) Kamal Jaiswal, Sunil. P.Trivedi and P.N. Pandey, Alfa Publishers, New Delhi.**

#### **4.3 Conference proceeding papers, popular articles, bulletines, short communications, research Notes, Abstracts**

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