



SELF APPRAISAL OF TEACHER

i) General Information:

A) Name : **ROHITH L. SHANKAR**
(M.L.UMASHANKARA)

B) Address : **Department of Sericulture**
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Mysore - 570 005. Karnataka. India.
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C) Designation : **Assistant Professor (Senior Grade)**

G)Area of Specialization: **Silkworm Breeding and Genetics, Seri- Biotechnology (Production of Recombinant Proteins).**

ii) Academic Qualifications:

Exam Passed	Board/ University	Subjects	Month & Year
Bachelor's Degree (s) BSc.,	Univ. of Mysore	BZS	1992
Master's Degree (s) MSc.,	Univ. of Mysore	Sericulture	1994
Master's Degree (s) MPhil.,	Univ. of Mysore	Seed Technology	1995
Research Degree (s) Ph.D.,	Univ. of Mysore	Sericulture	2005
Other Diploma / Certificates etc.	Univ. Of Mysore- CIST	Certificate Course in Office Automation (CCOA)	2002
	Karnataka State Open University (KSOU)	Post -Graduate Diploma in Human Resource Management	2004

ADDITIONAL INFORMATION OF THE CANDIDATE

i) **Research Experience & Training:** (My present name is ROHITH L. SHANKAR has been changed from M.L.UMASHANAKRA wide university ORDER NO.AC4/142/02-03 Dated: 23/08/2006)

Research Stage	Title of work/Thesis	University where the work was carried out
M.Phil or equivalent (Seed-technology)	Expression of HRGP/GRP (Hydroxy rich glycoprotein/Glycine rich protein) in downy mildew resistant seed and seedlings in pearl millet.	University of Mysore, MYSORE, Karnataka.
Ph.D. (Sericulture)	Genetic approach for the synthesis of new bivoltine breeds of silkworm, <i>Bombyx mori</i> L.	University of Mysore, MYSORE, Karnataka.
Post –Doctoral (Advanced Study-Animal sciences)	Production of canine interferon in silkworm, <i>Bombyx mori</i> L. by using baculovirus expression system.	Zhejiang University, HANGZHOU, P.R. China.
Training	(a) Trainee - Junior Research Scientist in Tissue Culturing of Ornamental Plants.	In-vitro International Pvt. Ltd (Tissue Culture Lab), BTM layout, BENGALURU, Karnataka.
	(b) Hands on Training Course on Gene Expression Studies and Analysis.	Department of Biotechnology, University Of Mysore, MYSORE, Karnataka.
	(c) Short Term Training Programme on “Bionanomaterials for Pest and Disease Management”.	Crop Protection research Center (CRPC), Dept of Advanced Zoology and Biotechnology, St. Xavier’s college (Autonomous), PALAYAMKOTTAI, Tamilnadu, India.

ii) **Publications:**

- (1) Evaluation of the rearing performance of new exotic and indigenous races of silkworm *Bombyx mori* L. **M.L.Umashankar (Rohith L. Shankar)**; G.Subramanya, *Geobios* 129-132 (2001).
- (2) Correlation between larval weight and cocoon characters in five breeds of silkworm *Bombyxmori* L. **M.L.Umashankar (Rohith L. Shankar)**; G.Subramanya, *Geobios* 154-157 (2002).
- (3) Developing vaccines against WSSV? Jha RK; Xu ZR;**Umashankara ML(Rohith L. Shankar)**, *AQUACULTURE Asia Pacific* 2(5):16-17 (2006).
- (4) Evaluation and identification of promising new bivoltine silkworm hybrids using combined trait selection index. **Rohith L. Shankar**; Doddaswamy; Murthy, N; G.Subramanya. *Indian Journal of Sericulture* 46(2): 117-125 (2008).

- (5) Efficient production of canine alpha-interferon in silkworm *Bombyx mori* by use of a BmNPV/Bac-to-Bac expression system. wu, Xiaofeng; Zhao, Na; yao, huipeng; lan, lipan; cao, cuiping; **M, L, Umashankar (Rohith L. Shankar)**; lu, xingmeng; wang, bing; cui, weizheng; J L, Cenis. *Applied Microbiology and Biotechnology* 78(2): 221-226 (2008).
- (6) Analysis of culturable and unculturable microbial community in bensulfuron-methyl contaminated paddy soils. Xiaoyan LIN, Yuhua ZHAO, Qinglin FU, M.L. Umashankara (**Rohith L. Shankar**), Zhihong FENG. *JOURNAL OF ENVIRONMENTAL SCIENCES* 20(12):1494-1500 (2008).
- (7) Development of a new bivoltine breed of silkworm, *Bombyx mori* MU51 with short larval duration. **Rohith L. Shankar**; G.Subramanya, *THE BIOSCAN* 5(1): 25-31(2010).
- (8) Evolution of a new bivoltine breed of silkworm, *Bombyx mori* MU54 with short larval duration for tropical sericulture. **Rohith L. Shankar**; G.Subramanya, *MYSCIENCE* 4(1-2):73-81(2010).
- (9) Evolution of a new bivoltine breed of silkworm, *Bombyx mori* MU53 with shorter larval duration for tropical sericulture. **Rohith L. Shankar**; G.Subramanya, *GEOBIOS* 37(2-3): 223-227 (2010).
- (10) A newly developed bivoltine breed of silk worm *Bombyx mori* MU52 with short larval duration and their suitability for tropical sericulture. Rohith Lingappa. Shankar; G.Subramanya, *Bulletin of Indian Academy of Sericulture*, 14(2), 35-45 (2010).
- (11) Sesamol Ameliorates Cyclophosphamide-Induced Hepatotoxicity by Modulating Oxidative Stress and Inflammatory Mediators. Jnaneshwari S, Hemshekhar M, Thushara RM, Shanmuga MS, Sebastin MS, Sunitha K, **Shankar RL**, Kemparaju K, Girish K S. *Anticancer Agents in Medical Chemistry*. 14(0), 1-9(2014).
- (12) Involvement of lytic enzymes and Hydroxy Proline Rich-Glycoprotein/Glycine-Rich Protein in the resistance of pearl millet to downy mildew. **Rohith L. Shankar (M.L.Umashankara)**, Shylaja M. Darmesh and Shekar Shetty. H. *International Journal of Basic and applied Chemical Science*. Volume 4 (1), 1-13 (2014).
- (13) Crocin prevents sesamol-induced oxidative stress and apoptosis in human platelets. Ram M. Thushara, Mahadevappa Hemshekhar, Manoj Paul, Mahalingam ShanmugaSundaram, Rohit L. Shankar, Kempaiah Kemparaju and Kesturu S. Girish. *Journal of Thrombosis and Thrombolysis*. DOI 10.1007/s11239-014-1056-7
- (14) *Momordica charantia* seed extract exhibits strong anticoagulant effect by specifically interfering in intrinsic pathway of blood coagulation and dissolves fibrin clot. Bhagyalakshmi.M, Sowmyashree.G, Girish.K, SKemparaju.K, Sathish.G.J, **Rohit.L.S**, Manohar.S, and Devaraja.S. *Journal of Blood Coagulation & Fibrinolysis*. Manuscript Number: BCF-052219. (**Under review**)

iii) CONFERENCE PAPERS/POSTERS:

- a. **M.L.Umashankar (ROHITH L. SHANKAR)**, G.Subramanya. **Heterosis for larval duration and economic traits in silkworm, *Bombyx mori* L.** National seminar on tropical sericulture, 28th -30th Dec 1999. University of Agriculture sciences and Bangalore University, BANGALORE, Karnataka.
- b. Zhao Na, Yao Huipeng, Lan Lipan, Cao Cuiping, **ROHITH L. SHANKAR**, Lu Xingmeng, Wu Xiaofeng, Wang Bing, Cui Weizheng and J. L. Cenis. **Efficient production of canine**

interferon-alpha in silkworm *Bombyx mori* by use of a BmNPV/Bac-to-Bac expression system. International conference on trends in Seribiotechnology. 27-29, March 2008, Department of Sericulture, SK University, ANANTAPUR, Andhrapradesh.

- c. **ROHITH L. SHANKAR**, Subramanya. G.Shyamkumar and Wuxiafeng. **Exploitation of silkworm *Bombyx mori* for the efficient production of Recombinant Proteins**". A national seminar on "Scenario of Seri biotechnological Research In India" 28-30, August 2008, Department of Seribiotechnology, Sri Padmavati Mahila Visvavidyalayam, TIRUPATI, Andhrapradesh.
- d. **ROHITH L. SHANKAR** and G.Subramanya. **Evaluation of new sex limited breeds yuva5 and yuva14 of silkworm *Bombyx mori* with short larval duration by hybridization.** National conference on Recent advances in modern biology and sericulture, women empowerment and rural development. 24-26 Oct 2013, KSSRDI, THALAGHATTPURA, Bangaluru.

iv) Research Projects carried out:

Sl. No.	Title of the Project	Name of the funding Agency	Duration	Remarks
1.	"Genetic approach for the evolution of sex-limited breeds of silkworm, <i>Bombyx mori</i> L. through hybridization".	UGC-X Plan	2 years (2005-2007)	Completed

v) Seminars, Conferences, Symposia Workshops etc. Attended:

Sl. No.	Name of the Seminar/ Conference/ Symposia Workshop, etc.	Name of the Sponsoring Agency	Place and Date
1.	National Seminar on Tropical Sericulture.	UAS Sericulture Club.	Dept of Sericulture, UAS, BANGALORE. Karnataka. India 28-30 th Dec 1999
2.	Seed Production Technology for Silkworm Breeders.	Silkworm Seed Technology laboratory.	Silkworm Seed Technology Laboratory, KODATHI, Bangalore. Karnataka. India 27-28 th Sep 2001

3.	National Conference on Tropical Sericulture for Global Competitiveness.	National Academy of Sericultural Sciences India. (NSSSI)	Central Silk Board, CSTR, MYSORE. Karnataka. India 5-7 th Nov 2003
4.	Workshop introducing semester scheme in BSc., sericulture.	University of Mysore.	Department of Sericulture, Manasagangothri, MYSORE. Karnataka. India 4-5 th Feb 2004
5	National Workshop on selection indices in breeding of Mulberry and Silkworm.	University of Agricultural Sciences, Bangalore.	Sericulture College, CHINTAMANI, Karnataka. India 01-07-2005
6.	International Conference of Global Consortium for Higher Education and Research Association. (GCHERA)	Govt. of China and University of Zhejiang.	University of Zhejiang, HANGZHOU, PR CHINA. 10-15 Sep 2005
7.	An International Training Workshop on Industrial Agriculture and Pest controlled.	Department of International Cooperation of the Ministry of Science and Technology (MOST) and Zhejiang Shaoxing Academy of Agriculture Science.	Zhejiang Shaoxing Academy of Agriculture Science, SHAOXING. PR CHINA. 17- 28 Oct 2005
8	State level workshop on Experimental model organisms.	University grants commission, Government of India	Dept. of Zoology, Maharani Science College, MYSORE. Karnataka. India 21 Feb 2008
9.	International conference on trends in Seribiotechnology.	Sri Krishna Devaraya Univ. and UGC.	Dept. of sericulture, Sri Krishna Devaraya University, ANANTHAPUR, Andhrapradesh. 27-29 March 2008
10.	National seminar on scenario of Seribiotechnological research in India.	Sri Padmavathi Mahila Vivavidyalayam and UGC.	Dept. of Seribiotechnology, Sri Padmavathi Mahila Vivavidyalayam, TIRUPATI, Andhrapradesh. India 28-30 Aug 2008
11.	Hands on training course on gene expression studies and analysis.	Department of Biotechnology, Govt. of India.	Department of Biotechnology, Manasagangothri, MYSORE, Karnataka. India 23 Nov - 14 Dec 2009
12.	National Conference On "Challenges of Modern Biology in 2020". (CHAMB – 2020)	Indian Science Congress Association – Bangalore Chapter.	Dept. of Life Sciences, S.R.N. Adarsh College,Chamarajapet, BENGALURU and Dept. of Bio-Technology, V.V. Pura College of Science, K.R.Road, BENGALURU. Karnataka. India 29 th – 31 st March 2010

13.	Frontier Areas in Chemical Science and Nanotechnology. (NSFACNT-2010)	Kuvempu University.	Department of Studies and research in Industrial Chemistry, Shankaraghatta, SHIMOGA, Karnataka. India 1 st - 2 nd May 2010.
14.	National conference on “sericulture innovations-before and beyond”	Central Silk Board, Government of India.	Central Sericulture Research and Training Center, Manandawadi road, MYSORE, Karnataka. India 28 th – 29 th January, 2011.
15.	National Conference on “Herbal medicines in the era of globalization”	University Grants Commission, Government of India	Sahyadri Science College (autonomous), SHIVAMOGGA, Karnataka, India. 10 th -11 th September 2011.
16.	Workshop on “e-content development”	University of Mysore.	Educational Multimedia Research Centre, Manasagangothri, Mysore, Karnataka, India. 16 th – 17 th September 2011.
17.	National symposium on “Immunology today: Recent Developments and Health and Disease”	University of Mysore and Indian Immunology Society, New Delhi.	Department of Biochemistry, University of Mysore, Manasagangothri, MYSORE, Karnataka. India 14 th -15 th November 2011.
18.	National seminar on “Intellectual property rights in Bio-Informatics”	JSS college of Arts, Commerce and Science and Association of Microbiologists of India (AMI), Mysore chapter.	Post graduate Department of Biotechnology, JSS College of Arts, commerce and Science, Ooty Road, MYSORE, Karnataka. India 8 th November 2012.
19.	National conference on “Emerging trends in Ayurveda and herbal Drug Technology (ETAHDT-2012).	Department of Biotechnology, Government of India. And NRHM, Department of AYUSH, Government of Karnataka.	Government Ayurveda medical College, MYSORE, Karnataka, India. 22 nd – 23 rd November 2012.
20.	National workshop on “Moderen Trends in Research Methodology Part-II”.	University Grants Commission and College with Potential Excellence.	SBRR Mahajana First Grade College, Jayalakshmipuram, MYSORE, Karnataka, India. 16 th April 2013.
21.	Short Term Training Programme on “Bionanomaterials for Pest and Disease Management”.	Department of Biotechnology, Government of India.	Crop Protection research Center (CRPC), Dept of Advanced Zoology and Biotechnology, St. Xavier’s college (Autonomous), PALAYAMKOTTAI, Tamilnadu, India. 14 th – 25 th May 2013
22.	National conference on Recent advances in modern biology and sericulture, women empowerment and rural development.	Department of sericulture, Government of Karnataka,	KSSRDI, THALAGHATTPURA, Bangaluru. 24-26 Oct 2013,
23.	National level workshop on Applications of SPSS in research data analysis.	SBRR Mahajana First Grade College and PG department of Statistics, University of Mysore.	SBRR Mahajana First grade College, Jyalakshmipuram,Mysore-570 012 Karnataka. 4 th march 2014

vi) Faculty development Programmes:

1.	Refresher Course in Life Science	Kuvempu University, SHIMOGA.	(June 12 to July 03 -2000)
2.	Orientation Programme	University of Mysore, MYSORE.	(July 03 to July 30 -2001)
3.	Refresher Course in Sericulture	Central Silk Board, MYSORE.	(July 03 to July 30 -2001)
4.	Refresher Course in Life Science	Goa University, GOA.	(Aug 23 to Sep 12 -2007)
5.	Refresher Course in Biotechnology	University of Madras, CHENNAI.	(Aug 08 to Aug 28 -2008)
6.	Refresher course in Life Science (MD)	University of Calicut, CALICUT.	(Nov 30 to Dec 20-2012)
7.	Refresher course in Life Science (ID)	University of Rajasthan, JAIPUR.	(Nov 11 to Nov 30-2013)

viii) National Cadet Corps (NCC)

1	Combined annual training camps, national integration camp etc.	Held once in a year in various places of India to train the NCC cadets.	Attending one camp of 10-15days duration in a year since 2010.
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Commissioned as Flying Officer during 2010 for 4kar Air Sqn NCC (Senior Division), Mysore.

ix) Others:

As external referee for Ph.D thesis evaluation and Viva- voce of Ph.D., thesis **‘Identification and Biochemical Characterization of Antibacterial Proteins from Silkworm *Bombyx mori* L.’** of Sri.Mallikarjuna Gadwala for Ph.D Degree in Sericulture, Karnataka University, Dharwad.

ROHITH LINGAPPA. SHANKAR