

CURRICULUM VITAE



01. Personal Information

01	Name, Designation, and Address:	Dr. THIPPESWAMY N. B. Professor and Chairman Dept. of P.G. Studies and Research in Microbiology, Kuvempu University, Jnana Sahyadri, Shankaraghatta - 577 451, Shivamogga, Karnataka, INDIA
02	Contact Number, and E-mail:	+919731728364 E-mail: nbtmicro@gmail.com
03	Date of Birth:	16-04-1969
04	Gender and Marital Status:	Male /Married
05	Nationality:	Indian

02. Educational Qualification

Sl. No	Name of the Degree	University /Institution	Month and Year of Degree Awarded	Remarks
01	Ph. D	Kuvempu University	16 March 2014	Topic: Studies on antioxidant and antibacterial activities of phenolic compounds from cumin (<i>Carum carvi</i>).
02	Post Graduate Degree	Kuvempu University	1996	Specialization: Microbiology
03	Under Graduate Degree	Govt. Science College, Chitradurga	1993	Chemistry, Botany & Zoology

04	Others i. Exams Qualified	A. SLET B. GATE C. CSIR-UGC JRF	14-02-1998 31-03-1998 19-02-1999	
	ii. Research Experience (JRF and SRF)	Dept. of Biochemistry and Nutrition, CFTRI, MYSORE.	NOV 1999- Jan 2003	Topic: Studies on antioxidant and antibacterial activities of phenolic compounds from cumin (<i>Cuminum nigrum</i>).
	iii. JRF	Department of Biochemistry, Indian Institute Of Science (IISc), Bangalore.	July 1998-99	Lipid Biochemistry

03. A. Teaching Experience

Sl. No	Designation	University/Institution	Period
01	Professor	Department of P.G. Studies and Research in Microbiology, Kuvempu University, Jnana Sahyadri, Shankaraghatta, Shimoga.	March 2020-till date
02	Associate Professor	Department of P.G. Studies and Research in Microbiology, Kuvempu University, Jnana Sahyadri, Shankaraghatta, Shimoga.	Feb 2017 - Feb 2020
03	Assistant Professor	Department of P.G. Studies and Research in Microbiology, Kuvempu University, Jnana Sahyadri, Shankaraghatta, Shimoga.	August 2008-Jan 2017
04	Assistant Professor	Department of P.G. Studies and Research in Microbiology, P.G.Centre, Shivagangotri, Tolahunase, Davanagere-04.	Feb 2003-2008

Academic Programs Taught

M.Sc. Microbiology

C. Courses Taught

Virology, Immunology, Molecular genetics, Enzymology, Medical Microbiology, Nanotechnology

04. Publications

04.1 : Books/Book Chapters:

Sl. No	Name of the Author	Title of Book/ Chapter	ISBN No	Publisher	Year of publication
01	N B, Thippeswamy.	Immunological mechanisms associated with clinical features of Ebola virus disease, its control and prevention.	9780323856621	Elsevier	2021
02	N. B. Thippeswamy	T cell dynamics in HIV infection	978-3-330-34167-8	LAP, Germany	2017
03	N. B. Thippeswamy	Evolution of Antigen Binding receptors	978-3-330-32646-0	Lambert Academic Publishing, Germany	2017
04	N. B. Thippeswamy and Rajeshwara Achur	Biological activities of Phenolic compounds from Caraway	978-3-330-06579-6	Lambert Academic Publishing, Germany	2017
05	N. B. Thippeswamy	Cellular Basis of skin Allograft rejection	978-3-330-32835-8	Lambert Academic Publishing, Germany	2017
06	N. B. Thippeswamy	The Survival Mechanism Of Deinococcus	978-620-2-01207-2	LAP publishing, Germany	2017

04.2 : Study Materials

Sl. No	Name of the Author	Title of paper	Book (Periodical) name and Publisher	Year of publication
01	Dr. N. B. Thippeswamy	Sukshmanu jeevialu prakruthiya ondu vismaya	Vignana Sangathi, Kannada University	April 2009
02	Dr. N. B. Thippeswamy	Bhayanaka rogalannu niyanthrisuvalli lasikegala pathra	Vignana Sangathi, Kannada University	April 2009 Samputa-14 Sanchike- 6
03	Dr. N. B. Thippeswamy	Lasike hakisi makkalannu rakshisi	Vignana Sangathi, Kannada University	June-2009 Samputa-14 Sanchike- 8
04	Dr. N. B. Thippeswamy	Balyadalli Anatha 2007 ra Nobel prashasthi Vijetha Mario kappachi	Vignana Sangathi, Kannada University	August-2009 Samputa-14 Sanchike- 10
05	Dr. N. B. Thippeswamy	Anatha balaka Mario kappachi 2007 nobel prashasthi vijetha	Vignana Sangathi, Kannada University	August-2009
06	Dr. N. B. Thippeswamy	Vruddara novige spandisida balaka Alzeimer	Vignana Sangathi, Kannada University	September-2009
07	Dr. N. B. Thippeswamy	Eradu nobel prashasthi padeda vijnani Madam curie	Vignana Sangathi, Kannada University	October-2009 Samputa-14 Sanchike- 12
08	Dr. N. B. Thippeswamy	Thali shastrada pithamaha Gregar Mendel	Vignana Sangathi, Kannada University	Feb-2010 Samputa-15 Sanchike- 4
09	Dr. N. B. Thippeswamy	Pillsgala balege beeluttiruva college hudugiyaru	Vignana Sangathi, Kannada University	Nov-2010 Samputa-16 Sanchike-01
10	Dr. N. B. Thippeswamy	Vikasanave janana	Vignana Sangathi, Kannada University	April-2011 Samputa-16 Sanchike-06

04.3: Research Papers

- Naidu K.A and **Thippeswamy, N.B.** (2002) “Inhibition of human low density lipoprotein oxidation by active principles from spices”. *Molecular and Cellular Biochemistry*.229:19-23. DOI: 10.1023/A: 1017930708099.
- Thippeswamy, N.B and Naidu K.A. (2005) “Antioxidant potency of Cumin Varieties- Cumin, Black Cumin and Bitter Cumin on Antioxidant Systems”. *European Food Research and Technology*. 220: 472-476. DOI: <https://doi.org/10.1007/s00217-004-1087-y>
- T.R.Prashith Kekuda, H.R.Nethravathi, K.S.Vinayaka, **N.B.Thippeswamy**. (2009). Studies on antibacterial and anthelmintic activity of *Elaeagnus kologa* SCHLDL. *Journal of Pharmacy Research*; 2(12), 1885-1887.
- K.S.Vinayaka, T.R.Prashith Kekuda, H.R.Nethravathi, **N.B.Thippeswamy**, S.J.Sudharshan, (2009). Free radical scavenging and insecticidal activity of *Elaeagnus kologa* Schldl. *Drug Invention Today.*, (1), 74-77.
- H.R. Nethravathi, T.R. Prashith Kekuda, K.S. Vinayaka, **N.B. Thippeswamy**, S.J. Sudharshan, S.V. Praveen Kumar. (2009). Phytochemical screening and Larvicidal efficacy of extracts of *Gnidia Glauca* (Fresen) Gilg. *Natural Products*, 5(4), 229-231
- H.R.Nethravathi, T.R.Prashith Kekuda, K.S.Vinayaka, **N.B. Thippeswamy**, S.J.Sudharshan, S.V.Praveen Kumar. (2010). Studies on the antioxidant and antihelmintic activity of *Gnidia glauca* (Fresen) Gilg. *Asian Journal of Bio science*. vol 5, issue1.6-9.
- S Soundarya, S Banakar, B Thippeswamy, **N.B. Thippeswamy**, TRP Kekuda, S Mukunda, KS Vinayaka. Phytochemical screening and Antibacterial activity of leaf extract of *Scleropyrum pentandrum* (Dennst.) Mabb (Santalaceae). *Research and Reviews in Biomedicine and Biotechnology*.2011.2 (1 & 2).40-43.
- **N.B. Thippeswamy**, K. Akilender naidu, Rajeshwara N. Achur. (2013). Antioxidant and antibacterial properties of phenolic extract from *Carum carvi* L. *Journal of Pharmacy Research*.7: 352-357. DOI: <https://doi.org/10.1016/j.jopr.2013.03.028>.
- **N. B. Thippeswamy** and Rajeshwara N. Achur. (2014) Inhibitory effect of phenolic extract of *carum carvi* on inflammatory enzymes, hyaluronidase and trypsin. *World J Pharm Sci*, 2(4): 350-356.
- K.N. Santhosh, D Pavana, **N.B. Thippeswamy**. (2015) Indian Scorpions collected in Karnataka: Maintenance in captivity, venom extraction and toxicity studies. *J Venom Anim Toxins*. DOI.: 10.1186/s40409-015-0053-4.
- K.N. Santhosh, D Pavana, **N.B. Thippeswamy**. “Impact of scorpion venom as an acute stressor on the neuroendocrine-immunological network”. *Toxicon*. 2016. 122. 113-118. DOI: 10.1016/j.toxicon.2016.09.021

- **N. B. Thippeswamy and S K Kiran. Outbreak of Kyasanur Forest Disease in Shivamogga, Karnataka State, India, during 2015. SOJ vet Sci. 2017. 3(1). 1-3. DOI: 10.15226/2381-2907/3/2/00127**
- H Veena, N Navya, G K Sandesh, **N.B. Thippeswamy**. 2019. Antibacterial and antidiarrhoeal activity of *Simarouba amara* (Aubl.) bark. Journal of Applied Pharmaceutical Science. 9(05):088-096.
- Shruthi, and **N. B. Thippeswamy**. 2020. “Isolation of Potential Extracellular Hydrolytic Enzymes Producing Fungi from Western Ghats, Karnataka.” *Research Journal of Pharmacy and Technology* 13 (5): 2081-2086. <https://doi.org/10.5958/0974-360x.2020.00374.1>.
- Shruthi, Balakrishna R, Rajeshwara N A, and **N.B. Thippeswamy**. 2020. “Optimized Solid-State Fermentation Medium Enhances the Multienzymes Production from *Penicillium Citrinum* and *Aspergillus Clavatus*.” *Current Microbiology* 77:2192-2206. <https://doi.org/10.1007/s00284-020-02036-w>.
- Hegde V, Sandesh K G, **N.B. Thippeswamy**. Biological activity of *Simarouba amara* (Aubl.) bark. *Research Journal of Pharmacy and Technology*. 2020;13(9):4165-4171 *Doi:10.5958/0974-360X.2020.00735.0*
- Veena, H., Gowda, S.K., Achur, R.N. and **N.B. Thippeswamy**. Molecular mechanism of *Escherichia coli* H10407 induced diarrhoea and its control through immunomodulatory action of bioactives from *Simarouba amara* (Aubl.). *JMicrobiol.* **59**, 435–447(2021). doi.org/10.1007/s12275-021-0423-2
- K. N.Santhosh, D. Pavana, B.R. Shruthi, **N.B. Thippeswamy**, (2021) “Protein profile of scorpion venom from *Hottentotta rugiscutis* and its immunogenic potential in inducing long term memory response” *Toxicon*, 205, 71-78, <https://doi.org/10.1016/j.toxicon.2021.11.121>.
- Nagaraj N, Hegde V, Gowda SK, Achur RN, **N.B. Thippeswamy**. Phytochemical analysis of *Simarouba glauca* DC and its antibacterial activity against MDR *Salmonella Typhi*. 2021; 13(1):351–6.
- K N, Santhosh & Ramesh, Dhatri & Ramesh, Dhanya & Nagaraj, Urmila & Shrinidhi, S **N.B. Thippeswamy**. (2022). Scorpion Venom Exhibits Adjuvant Effect by Eliciting HBsAg-Specific Th1 Immunity Through Neuro-Endocrine Interactions. *Molecular Immunology*. 147. 136-146. [10.2139/ssrn.3977795](https://doi.org/10.2139/ssrn.3977795).
- **Hafeez, Sayad & Achur, Rajeshwara & Kiran, S & N.B. Thippeswamy. (2022). Computational prediction of B and T-cell epitopes of Kyasanur Forest Disease virus marker proteins towards the development of precise diagnosis and potent subunit vaccine. Journal of biomolecular Structure & Dynamics. 40. 10.1080/07391102.2022.2141882.**

04.4: Research Paper published in the Proceedings of the seminar/ Conferences/ Symposium: ONE

- Thippeswamy N B, (2015). Ebola Virus Disease. In: New Horizons in Biotechnology. Paramount Publishing House, India, pp. 007-014.

04.5 Number of Publications during past five years: Nine (09)

05. Research Guidance

05.1: Ph. D (Completed): Four

05.2: Ph. D (Ongoing): Seven

1. Guide for LTMT fellow - 2
2. Guide for DST INSPIRE Fellow - 1
3. Mentor for DST-WOS(A) fellow - 1
4. Guide for DST-KSTEPS fellow - 1

05.3: Student Project Guidance: Sixty four (64)

06. Research Projects

Sl. No	Investigator / Co-investigator	Title of the Project	Funding Agency	Amount (Rs in lakhs)	Man Power appointed /Trained	Duration and Status (Ongoing/Completed)
01	Principal Investigator	Antioxidant, Antibacterial and Insecticidal potency of <i>Carum Carvi</i>	Kuvempu University	0.38	NIL	Completed (Dec-2007 to Sep-2008)
02	Co-Investigator	Mushroom biotechnology Intervention for Socio-Economic upliftment of SC/ST farmers of Malnad region of Karnataka	DBT, New Delhi	14.2615	Yes	Completed
03	Principal Investigator	Biogas production from the potential aquatic feed stock <i>Ipomea reptans poir. L</i>	Kuvempu University	0.50	NIL	Completed (September 2012)
04	Principal Investigator	Kinetics of Immunological Memory Response induced by Scorpion Toxin	UGC, New Delhi	10.73165	Yes	Completed (July 2011- 2015)

05	Principal Investigator	Dynamics of neurotoxic and Immunotoxic stress signals induced by scorpion venom and their impact on enhancing immunological memory response	SERB- DST	6.00	01 (Trained)	Completed (Nov. 2013-Nov. 2014)
06	Programme Co-ordinator	“Integrated disease management: An alternative approach for effective control of Kyasanur Forest Disease by a novel and biological immunomodulator and the acaricide”.	VGST	40.00	NIL	Completed (2015-2020)
07	Principal Investigator	"Toxins to therapeutics: Scorpion venom-stress induced Nerve growth factor and its impact on TLR signalling on macrophages and lymphocytes"	SERB-DST	50.8	01	Completed
08	Mentor	"Phytoimmunomodulators of <i>Simarouba Glauca</i> DC. targeting host against multi stage disease typhoid, foster by <i>Salmonella enteric ser.var typhi</i> ".	DST WOS-A	21.39	01	Ongoing

09	Principal Investigator	Understanding the mechanisms of early-stage viral infection of Kyasanur Forest Disease Virus with Single Round Infectious Particle - A reverse genetics approach	DST-SERB	47,70,280	Yes	Ongoing
10	Principal investigator	Development of strip based rapid and specific diagnostic kit for Kyasanur Forest Disease	VGST-GRE	40	Yes	Ongoing

07. Conferences, Seminars, Training Programmes, Refresher courses, etc., organized

Sl. No	Name of the Conference/Symposia/Seminar	Level (University/State/National/International)	Date(s)	Number of participants
01	Path to Entrepreneurship in Life Sciences	State	Feb 22 nd 2017	260
02	Current challenges of Microbes	State	March 04 th 2016	350
03	Present Scenario of Microbial life	National	28 to 29 March- 2011	500
04	Impact of Microbes on Health	National	27 to 28 February- 2010	500

08. Conferences, Seminars, etc Attended and Papers Presented

Sl. No	Seminar/Conference	Date(s)	Title of the Paper	Remarks
01	International symposium 68 th annual meeting of the American society for tropical medicine and hygiene (ASTMH)	Nov 20-24,2019 , Maryland, USA	The epidemiological severity of recent KFD outbreak in an unexpected western ghat region of Southwestern India suggests increased invasiveness.	Poster presentation
02	International conference on IMMUNOCON-2019	14-16th November 2019 organized by BARC, Mumbai.	“Impact of scorpion venom as an adjuvant in regulating innate and adaptive immunity against subunit antigens”	Poster presentation
03	National conference on “New approaches and concepts in Microbial biotechnology”	September 29-30, 2015 in Maharani’s Science College for Women, Bangalore	Ebola Virus Disease- Recent Outbreak in South Africa	Invited talk
04	Seminar on “Emerging Trends in Microbiology: Issue and challenges”	31 st March 2015 in Sahyadri science college, Shimoga	Ebola virus disease- The biggest outbreak in South African countries.	Invited talk
05	National Seminar on “New Horizons in Biotechnology”	9-10 th Feb 2015 in Kasireddy Venkata Reddy Govt. college for women, Kurnool	Ebola virus disease	Invited talk
06	41 st Annual conference of Indian Immunology society; IMMUNOCON-2014	12-14 th December 2014 in Madurai Kamaraj University, Madurai	-	Participant

07	National Workshop on Basic Immunological techniques	24 th Sep to 06 th Oct 2012, Organized by “UGC Networking resource center” IISc, Bangalore	-	Participant
08	National conference on “Biotechnology and Society”	19-20 th April 2012, Dept. of Biotechnology, Kuvempu University	-	Session Co-Chair Person
09	National conference on “Biotechnology and Society”	19-20 th April 2012, Dept. of Biotechnology, Kuvempu University	Enzymology	Poster presentation
10	National conference	9 th and 10 th April 2012, Dept. of Zoology, Kuvempu University	Collection and maintenance of scorpions from different region of Karnataka	Poster presentation
11	5 th FIMSA CONGRESS: Translational immunology in health and disease.	14-17 th March 2012, Organized by Dept. of Transplant Immunology, AIIMS, New Delhi.	-	Participant
12	International seminar	2-4 th March 2012, Department of Botany, S.V. University, Tirupati, A.P., India.	Isolation and characterization of diverse group of proteases producing soil fungi.	Oral presentation
13	National conference Perspectives on Health Benefits of Therapeutic Molecules	6 th January 2012, in KSHEC, Bangalore	Antioxidant and antibacterial properties of phenol extract from <i>Carum carvi</i> .	Oral presentation
14	National symposium	14-15 th Nov 2011 in Department of Biochemistry, Mysore University, Mysore.	Memory: The gate way to design effective vaccines	Invited talk

15	UGC sponsored short term course on positive discrimination for national development	13 th April 2011, in Sir M.V. Government Science College, Bhadravathi	Value base in education and positive thinking	Invited talk
16	Seminar	23 rd Oct. 2002, CFTRI, Mysore.	Production of nonmalarial mosquitoes	Oral presentation
17	Seminar	2000-2001 CFTRI, Mysore	Damaged heart can be regenerated by bone marrow stem cells	Oral presentation
18	International Conference (NFHR-2001)	21-24 th July-2001 BARC, Mumbai.	Inhibition of Human Low Density Lipoprotein oxidation by active principles from Spices.	Oral presentation
19	Workshop	25 th March 2000, Organized by Peoples for animals at DFRL, Mysore.	The control of animal experiments through alternative approaches	Participant
20	Seminar	1999-2000 CFTRI, Mysore	Discovery of G Proteins	Oral presentation

09. Administrative Experience

Sl. No	Position	Organization	Duration	Responsibilities
01	Coordinator	Department of P.G. Studies and Research in Microbiology, Kuvempu University, Jnana Sahyadri, Shankaraghatta, Shimoga.	August 2008 to October 2010	Department administration
02	Coordinator	Department of P.G. Studies and Research in Microbiology, Kuvempu University, Jnana Sahyadri, Shankaraghatta, Shimoga.	Jan 2015 to March 2017	Department administration

10. Memberships of University Bodies/other organizations

Sl. No	University/ Organization/Institute Body	Nature of Association	Period
01	Chairman, Scientific advisory committee	Niranthara Scientific solutions Pvt. Ltd., Bangalore	Sep 2015 to date
02	Indian science congress Association	Life member (L28223)	2016 to date
03	International Society for infectious diseases	Life member	Dec 2015 to date
04	Indian Immunology Society	Life Member (Membership No. LM/IIS/204/03/12)	2012 to date
05	Dept. of Microbiology, Kuvempu University	BOE-Chairman	2014 – to date
06	Dept. of Microbiology, Kuvempu University	BOE - PG Member	2011-12
07	Dept. of Microbiology, Sahyadri Science College, Shimoga	BOE and BOS- PG Member	2009 to 2010
08	Dept. of Microbiology, Kuvempu University	BOS - PG Member	2008 to date
09	Dept. of Microbiology, Kuvempu University	BOE - PG Member	2008 to date
10	Department of Microbiology, Davanagere university	BOE-Member	2015 to date

11. Extension/Outreach activities

Sl. No	Activity	Date(s)	Target group/Beneficiaries
01	Production and commercialization of newly formulated drug against coffee plant borer disease in association with Niranthara Scientific solutions Pvt. Ltd.	-	Coffee plant growers

12. Honors, Awards, and Recognition

A. Article on the successful drug discovery for coffee plant borer disease in the Bimonthly magazine “KRUSHIKA” dated July-August 2015, Volume 9, Episode 1.

B. Reviewer for International Journals such as Elsevier and Springer

Date: 20 / 03 /2025

(Prof. N. B. THIPPESWAMY)