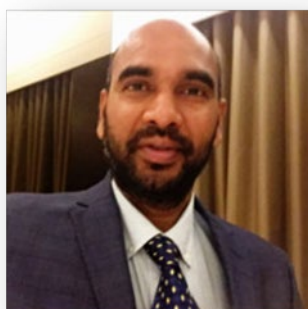


## Curriculum Vitae



**Dr. Sarat Chandra Yeniseti, Ph.D., PDF** (Univ. Regensburg, Germany and NINDS/NIH, USA)

**Professor**

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Dr. Sarat Chandra Yeniseti is a Professor and Head of *Drosophila* Neurobiology Laboratory in Department of Zoology, Nagaland University (Central), Nagaland, India. He completed M.Sc. from Bangaluru University, India and was awarded Ph.D. from Kuvempu University, India. Sarat obtained post-doctoral training in neurogenetics from University of Regensburg, Germany and National Institute of Neurological Disorders and Stroke (NINDS) of National Institutes of Health (NIH), Bethesda, USA. Sarat follows *Drosophila* approaches to understand dopaminergic neurodegeneration and identification of therapeutic targets for neuroprotection; knowledge of which may help to reduce the burden of Parkinson's disease (PD) in humans. His laboratory is well funded through multiple research grants from Department of Biotechnology (DBT), India, University of Grants Commission (UGC), India and Department of Science and Technology (DST), India. Sarat is recipient of DBT's prestigious U-Excel (Unit of Excellence in Biotechnology) grant in 2015. Till to date under his supervision 3 Ph.Ds are awarded (one as co adviser) and one candidate submitted the thesis. Sarat has 45 publications to his credit in both national and international journals and books. He worked as a Director- IQAC (Internal Quality Assurance Cell) of Nagaland University, NU Coordinator- National Institutional Rankings; Local Coordinator: MHRD-GIAN (Global Initiative of Academic Networks). Presently he is heading the Department of Zoology, Nagaland University, Nagaland. Sarat visited USA, Japan, Germany, China, South Korea, United Kingdom, Brazil and Canada to participate in multiple academic assignments.

### 1. Academic qualification (from XII onwards):

Degree	Subject	University/Institution	Year	% of marks & Class/Grade
Intermediate (XII)	Biology, Physics and Chemistry	Intermediate Board of Andhra Pradesh, Hyderabad, A.P.	1988	74.8%
B.Sc.	Chemistry, Zoology and Botany	S.K. University, Anantapur, Andhra Pradesh	1991	75.22% Distinction
M.Sc.	Zoology	Bangalore University, Bangaluru, Karnataka	1993	73.5% University Ranker (3 <sup>rd</sup> )
Ph.D.	<i>Drosophilid</i> genetics	Kuvempu University, Shankaraghatta, Karnataka	2002	
<b>Post-Doctoral research</b>				
2010-2011				
Visiting researcher at University of Regensburg, Regensburg, Germany under Department of Biotechnology (DBT), Govt. of India sponsored Overseas Associateship Programme.				
Supervisor: Prof. Stephan Schneuwly				
December 2008 - February 2009:				

Worked at National Centre for Biological Sciences, Tata Institute of Fundamental Research, Bangalore, India under Indian Academy of Sciences fellowship. Supervisor: Prof. Gaiti Hasan
2003-2005: Fogarty visiting fellow at Neurogenetics, National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health (NIH), Bethesda, USA. Supervisor: Dr. Kyung Tai Min
December 2002- February 2003: Worked at National Centre for Biological Sciences (NCBS), Tata Institute of Fundamental Research (TIFR), Bangalore, India under Indian Academy of Sciences fellowship. Supervisor: Prof. K. VijayRaghavan
2001-2002: Visiting Fellow at Center for Cellular and Molecular Biology (CCMB), Hyderabad, Andhra Pradesh, India. Supervisor(s): Dr. Lalji Singh and K. Thangaraj

## 2. Work experience:

Position held	Name of the institute	Period
Professor	Nagaland University (Central)	September, 2016- to date
Associate Professor	Nagaland University (Central)	September, 2013- to date
Assistant Professor	Nagaland University (Central)	October, 1999 – September, 2013
Lecturer (temporary)	Kuvempu University, Karnataka	January, 1996 – September, 1999

## 3. Administrative experience:

Currently- Head, Department of Zoology, Nagaland University, Nagaland, India  
 Nodal Officer- GIAN Cell (MHRD- Global Initiative of Academic Networks), Nagaland University, Nagaland.  
 Member, Academic Council of Nagaland University.  
 Member, Science School Board of Nagaland University.  
 Member of BPGS (Dept. of Zoology, Anthropology and Geology), Nagaland University.

Previously:

Director, Internal Quality Assurance Cell (IQAC), Nagaland University, Nagaland (2015-17)  
 Co-coordinator, DBT sponsored BIF (Bioinformatics Infrastructure Facility), Nagaland University.  
 Convenor/member for different committees constituted by the University time to time.

## 4. Award/Prize/Certificate etc.:

1. University Ranker (3<sup>rd</sup>) in M.Sc. (Bangaluru University, Bangaluru, Karnataka, India)
2. Fogarty International Post-doctoral fellowship of National Institutes of Health (NIH), Bethesda, USA (2003-2005)
3. Invited researcher at RIKEN Brain Research Institute, Tokyo, Japan (2008)
3. Department of Biotechnology (DBT), India- Overseas Associateship /Fellowship (2010-2011)
4. Genetics Society of Japan's Travel Fellowship to participate in "Asia Pacific Drosophila Research Conference" in Taiwan (2011)
5. Department of Biotechnology (DBT), India's Travel Fellowship to present work in "Scottish *Drosophila* Conference" held in Glasgow, Scotland, UK (2013).
5. Indian Council of Medical Research (ICMR), India's Travel Fellowship to present work in "Neurodegenerative Diseases: Biology & Therapeutics" organized by Cold Spring Harbor Laboratory (CSHL), New York, USA (2014).
6. Department of Science and Technology (DST), India's Travel Fellowship to present research findings in IBRO (International Brain Research Organization) World Congress on Neuroscience in Rio de Janeiro, Brazil (2015).

## 5. Research Guidance:

Ph. D. awarded: Three (one as co supervisor)  
Submitted : one  
Registered: Eight (Supervisor: 8; Co-supervisor: 2)  
Project fellows: Three

## 6. Research Grants:

### Completed:

- a. Funded by University Grants Commission (UGC), India: (2009-2012)  
Drosophilid Biodiversity, Cytotaxonomy and Genetics of Nagaland, a Sub Himalayan Hilly State of North-East India (Grant value: **11.80** lac).
- b. Funded by Department of Biotechnology (DBT), India: (2012-2015)  
Neuroprotective Effects of Natural Products with Anti-oxidant and Anti-inflammatory Properties in *Drosophila* Model of Parkinson's Disease (Grant value: 99.88 lakhs)
- c. DBT's UEXCEL grant (Unit of Excellence in Biotechnology (2014-18), India:  
Mechanistic Insights into the Therapeutic Propensity of Natural Products with Anti-oxidant and Anti-inflammatory Properties in *Drosophila* Model of Parkinson's Disease" (118.30 lakh)

### Ongoing:

- a. Genome wide screen to identify susceptible genes associated with sporadic Parkinson's disease in a *Drosophila* model (87.59 lakh)
- b. Insights on the impact of prenatal exposure to neurotoxicants on the onset of dopaminergic neurodegeneration and cognitive dysfunctions in *Drosophila* model: Development of dietary intervention strategies (67.41 lakh)
- c. DBT-Foldscope grant

### Publications:

**Sarat C. Yeniseti** (2018) "Feel good" chemical Dopamine: Role in health and disease. In *Dopamine: Health and Disease* (Ed. Sarat C. Yeniseti) InTech Europe ISBN:978-1-78984-270-8.

Ayajuddin Mohamad, Abhik Das, Limamanen Phom, Priyanka Modi, Rahul Chaurasia, Zevelou Koza, Abuno Thepa, Nukshimenla Jamir, Sentiangla, Rajesh Singh Pukhrbamb Pardeshi Lal and **Sarat C. Yeniseti**. (2018) Parkinson's Disease: Insights from *Drosophila* model. *Drosophila: Model for recent advances in genetics and therapeutics* (Ed. Farzana Khan Perveen) InTech Europe ISBN 978-953-51-5484-6.

Pukhrbamb R. Singh, Abuno Thepa, Nukshimenla Jamir, Limamanen Phom, Mohamad Ayajuddin and **Sarat C. Yeniseti**. (2017) Parkinson's disease and therapeutic strategies. *International J. of Neurology and Neurosurgery* 19(2): 172-186.

Muralidhara, Yeniseti SV, **Sarat C. Yeniseti** (2017) Current understanding on the beneficial role of nutrition in Parkinson's disease. *J. of Aging Science* 5:177. doi: 10.4172/2329-8847.1000177.

Rao SV, Muralidhara, **Sarat C Yeniseti**, Rajini S Padmanabhan. (2016) Evidence of neuroprotective effects of saffron and crocin in a *Drosophila* model of parkinsonism. *NeuroToxicology* (Impact Factor: 3.38) doi:10.1016/j.neuro.2015.12.010

**Sarat C. Yeniseti**, MJ Manjunath and Muralidhara (2016) Neuropharmacological properties of *Withania somnifera* – Indian Ginseng: An overview on experimental evidence with emphasis on Clinical trials and patents Recent Patents on CNS Drug Discovery 10(2):204-215.

Modi P, Limamanen Phom, Zevelou Koza, Ayajuddin Mohamad, Saikat Samaddar, Abhik Das, Rahul Chaurasia, Bovito Achumi, Muralidhara, Rajesh Singh Pukhrabam and **Sarat C. Yeniseti**. (2016) Understanding Pathophysiology of Sporadic Parkinson's Disease in Drosophila Model: Potential Opportunities and Notable Limitations. *Challenges in Parkinson's Disease* (Eds. Jolanta Dorszewska) InTech Europe

**Sarat C. Yeniseti** and Muralidhara (2016) Beneficial role of Coffee and caffeine in neurodegenerative diseases *AIMS Public Health* (Special issue on "Physiological and pharmacological properties of coffee and coffee components). 3(2): 407-422.

Mohamad A, Priyanka Modi, Bovito Achumi, Muralidhara and **Sarat C. Yeniseti**. (2016) Plant products and fermented foods as nutrition and medicine in Manipur state of north-east India: Pharmacological authenticity. Book chapter in *Bioprospecting of Bioresources of North-East India*. Springer Press. Ed. Purkayastha J. ISBN: 978-981-10-0619-7

Achumi B, Mohamad Ayajuddin, Shridhar N. Hegde, Pardeshi Lal, Om P. Singh and **Sarat C. Yeniseti**. (2016) Drosophilid (Insects, Diptera: Drosophilidae) biodiversity of north-east India. Book chapter in *Bioprospecting of Bioresources of North-East India*. Springer Press. Eds. Purkayastha J and Singh L.

Singh SP, Deb CR, Ahmed SU, **Sarat C Yeniseti** and Konwar BK. (2016) Virtual Screening on Analogues of 2 Methyl Heptyl Isonicotinate as GlmU inhibitors of Mycobacterium Tuberculosis. *Current Enzyme Inhibition* **11**: 10.2174/1573408011666150917183221

Singh SP, Deb CR, Ahmed SU, **Sarat C Yeniseti** and Konwar BK. (2015) Molecular docking simulation analysis of the interaction of dietary flavonols with heat shock protein 90. *J Biomed Res* 10.7555/JBR.29.20130158

Longkumer I, Anupama Mukherjee, **Sarat C. Yeniseti**, Sabyasachi Mukherjee, and Moonmoon Mech (2015) Complete Chromosomal characterization of Mithun (*Bos frontalis*) *International Journal of Innovative and Applied Research* 3(7): 13- 21. (Impact Factor: .8)

Achumi B, Shridhar N. Hegde, Pardeshi Lal, Zevelou and **Sarat C. Yeniseti**. (2014) Geographical convergence patterns in the distribution of *Drosophila* species in Nagaland, a sub-Himalayan hilly state of north east India. *Journal of Bombay Natural History Society* 111(3) DOI:10.17087/jbnhs/2014/v11i3/82502

Phom L, Bovito Achumi, Debasmita P. Alone, Muralidhara and **Sarat C. Yeniseti**. (2014) Curcumin's Neuroprotective Efficacy in *Drosophila* Model of Idiopathic Parkinson's Disease is Phase Specific: Implication of its Therapeutic Effectiveness. *Rejuvenation Research* 17(6):481-9. (Impact Factor: 3.93)

Navarro A. Juan, Sabina Heßner , **Sarat C. Yeniseti**, Florian Bayersdorfer, Li Zhang, Aaron Voigt, Stephan Schneuwly and Jose A. Botella. (2014) Analysis of dopaminergic neuronal dysfunction in genetic and toxin-induced models of Parkinson's disease in *Drosophila*. *Journal of Neurochemistry* 131(3):369-82. (Impact Factor: 4.244)

Greeshma M, Sriranjini V, **Sarat C. Yeniseti**, Muralidhara. (2014) Insights on the emerging role of phytonutrients as cognitive enhancers: Potential cellular and molecular mechanisms. *Book chapter in Recent Progress in Medicinal plants; Ethnomedicine and Therapeutic Validation*. Studium Press, LLC, USA.

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**Books Edited: Sarat C. Yeniseti**

1. Parkinson's Disease: Understanding Pathophysiology and Developing Therapeutic Strategies (2018) InTech Europe ISBN: 978-1-78923-153-3; Print ISBN: 978-1-78923-152-6
2. Dopamine: Health and Disease (2018), InTech Europe ISBN:978-1-78984-270-8.

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[https://www.linkedin.com/in/dr-sarat-chandra-yeniseti-b3062972?trk=nav\\_responsive\\_tab\\_profile\\_pic](https://www.linkedin.com/in/dr-sarat-chandra-yeniseti-b3062972?trk=nav_responsive_tab_profile_pic)

**(Dr. Sarat Chandra Yeniseti)**