

## CURRICULUM VITAE

1. Name : Bathula Srinivas  
2. Designation : Assistant Professor & Head i/c,  
Dept of Biotechnology  
3. Department :

Dept. of Biotechnology  
School of Herbal Studies & Naturo Sciences,  
Dravidian university, Srinivasavanam, Kuppam-517425,  
Chittoor District, A.P. INDIA,  
Cell :+91-9849494558

e-mail : [bathula\\_srinivas@yahoo.com](mailto:bathula_srinivas@yahoo.com)  
[b.srinivas@dravidianuniversity.ac.in](mailto:b.srinivas@dravidianuniversity.ac.in)  
[bathulasrinivas71@gmail.com](mailto:bathulasrinivas71@gmail.com)



4. Qualifications-Academic & professional-indicating specialization/s

Degree	Name of the Institute/ University	Year of passing	Marks obtained	Subject
Ph.D.	University of Mysore, Mysore	1999	-	Biotechnology
M.Sc.	Madurai Kamaraj University, Madurai	1990	61%	Biotechnology
B.Sc.	M.V.N.J.S&R.V.R. college, Malikipuram	1985	56.8%	Botany, Zoology, Chemistry
Intermediate	A.F.D.T. Junior college, Malikipuram	1981	57.4%	Physics, chemistry, Botany, Zoology
10 <sup>th</sup>	A.F.D.T. Junior college, Malikipuram	1979	57%	Telugu, English, Hindhi, General Science, General Maths, Social Studies.

5. Present additional positions

(A) Head i/c, Department of Biotechnology, Dravidian university, Kuppam from November 2017 onwards.

6. Previous additional positions held

(A) Scientist of Institutional Animal Ethics Committee (IAEC) (Ref. No. DU / Aca / Animal House/C2/234/2013 dated 2-4-2013)

(B) Member of Institutional Committee to inspect the activity Diary maintained by all the teachers in various department of Dravidian university.( Ref.No. DU/Estt/E1/643/2013 dated 02-04-2013).

(C) Subject Coordinator of SDCE for M.Sc in Bio-Technology / Botany under distance mode (Ref.No. DU /SDCE / Subjects Coordinators/2013,dated 11-01-2013)

(D)Anti Ragging Squad for Boys at Dravidian university. (Ref.No.Dub /Aca/ Ragging / 130/C2/2012, dated 30-11-2013).

(E)Deputy Warden for Men's Hostel (Ref No.DU/Estt(E-2)/Wardens/2012, dated 01-11-2012).

7. Courses (Subjects or Papers) taught

(A)M.Sc (Biotechnology).

- ✓ Molecular Biology
- ✓ Genetic engineering,
- ✓ Plant Biotechnology
- ✓ Environmental Biotechnology

(B) B.Sc (Bt.B.C)

- ✓ BTT- 501: Molecular biology
- ✓ **BTT- 601: Plant and animal biotechnology**

8. External Electives offered (please give the complete list of course offered)

9. Areas of Interest in teaching and research:

Molecular Biology, Genetic engineering & environmental Biotechnology

10. Experience – (a) teaching, (b) research

**Teaching experience:**

<b>Designation</b>	<b>Name of the Institute/ University</b>	<b>period</b>	<b>Total experience</b>	<b>subject</b>
Associate Professor & HOD (Consolidated)	DR.C.S.N. degree &P.G college, Bhimavaram	2004- 2008	4 years	Biotechnology
Assistant Professor (Regular)	Dravidian University, Kuppam	2008	Till to-date	Biotechnology

**Research experience:**

<b>Designation</b>	<b>Name of the Institute/ University</b>	<b>period</b>	<b>Total experience</b>	<b>Purpose of research</b>
Postdoctoral fellow	JSPS) , Japan	2002 to Feb-2004	2 years	Postdoctoral research
Postdoctoral fellow	Chonbuk National University, South Korea	2000 to 2001	1 year	Postdoctoral research
Assistant professor	Dravidian university, Kuppam, India	2008 onwards	10 years	Genetic improvement of medicinal plants

**11. Publications –**

(a) articles / research papers in national and international journals (please provide complete list indicating the title, year, volume, name of the journal with ISSN, names of co-authors etc.)

**International Research publications:**

1. Yarrappagaari Suresh, Gutha Rajesekar, Saddala Rajewara Reddy, Benne Lakshmi Narsimhulu, Thopireddy Lavanya, Mustrahally Rajgopal, **Bathula Srinivas** (2018). IJIPSR/6(03), 1-14. Impact factor :2.6095, ISSN (online):2347-2154
2. Shoko Saji , **Srinivas Bathula**, Akihiro Kubo , Masanori Tamaoki1 , Mitsuko Aono , Tomoharu Sano , Kazuo Tobe , Stefan Timm , Hermann Bauwe , Nobuyoshi Nakajima1 and Hikaru Saji (2017). Ozone-Sensitive Arabidopsis Mutants with Deficiencies in Photorespiratory Enzymes. Plant& Cell Physiol. 58, ( 5) , 914–924. Impact factor (Thomson routers): 4.67 ISSN 0032-0781.
3. Sudhasri purna G., Narendra Reddy C.M., Swetha prasuna V.N and **Srinivas B** (2016). Effect of silver nitrate and various sugars on in vitro plant regeneration of *Marsilea quadrifolia* (L.). International Journal of Recent Scientific Research, 7, (7) 12696-12700. Impact factor:6.86 (UGC – Approved Journal No: 46629) ISSN: 0976-3031
4. V.N. Swetha Prasuna1 & **B.Srinivas** (2016) Role of different carbon sources on in vitro micropropagation of *oxalis corniculata* (L.) IJPBS, 6 (3) 98-104. Impact factor: 0.36 (UGC – Approved Journal No: 46322) ISSN: 2321-3272 (Print), ISSN: 2230-7605 (Online).
5. Swetha prasuna V.N and **B.Srinivas** (2015) In vitro regeneration studies of *oxalis corniculata* from nodal explants. International journal of Recent Scientific Research:6, (9) 6216-6220. (UGC – Approved Journal No:46629) ISSN:0976-3031, SJIF Impact Factor: 5.114

6. Mustrahally Rajagopal, Avulamandha Balakrishna, Saddala Rajeshwara Reddy and **Bathula Srinivas** (2014). Factors influencing *agrobacterium*-mediated transient expression of *uidA* in *cassia occidentalis* linn explants. Int J Pharma Bio Sci 2014 Jan; 5(1) : (B)840-855. (ISSN 0975-6299), Impact factor: 0.47. (UGC – Approved Journal No.46322), **citations:1**
  
7. Mustrahally Rajagopal and **Bathula Srinivas** (2013). *Agrobacterium*-mediated transformation of *Cissampelos pareira* Linn: factors affecting on transient GUS expression. Int J Pharma Bio Sci 2013 Oct;4(4):(B) 1111-1128. Impact factor: 0.47 (UGC – Approved Journal No: 46322) (ISSN 0975-6299).
  
8. Saji S, **Bathula S**, Kubo A, Tamaoki M, Kanna M, Aono M, Nakajima N, Nakaji T, Takeda T, Asayama M, Saji H.(2008).Disruption of a gene encoding C4-dicarboxylate transporter-like protein increases ozone sensitivity through deregulation of the stomatal response in Arabidopsis thaliana. Plant Cell Physiology. 2008 Jan;49(1):2-10 (ISSN No. 1471-9053), Impact factor (Thomson routers): 3.594, **citations:49**. Saji S, Bathula S, Kubo A contributed equally to this work.
  
9. Byoung Kook lee, Myoung Ryoul Park, **Bathula Srinivas**, Jae Chul Chun, In-Sook Kwon, III-Min chung, Nam Hee Yoo, Kyung-Gu choi, and Song Joong Yun (2003). Induction of phenylalanine Ammonia-lyase gene expression by paraquat and stress-related hormones in *Rehmannia glutinosa*. Molecules and Cells, 16(1):34-39. (ISSN No. 0219-1032) Impact factor (Thomson routers):1.878, **citations: 31**.
  
10. Yun,S.J., Lee,B.K., Park,M.R., **Srinivas,B**. and Chun,J.-C.( 2001) Molecular characterization of phenylalanine ammonia-lyase gene in *Rhemannia glutinosa*, submitted to sequence data bank. Accession No. AF401636.
  
11. **B.Srinivas**,D.Yadav, and N.K.Singh (2001). Cloning and characterization of full-length cDNAs of wheat triticin. *Physiol.Mol.Biol.plants*. 7:23-32. (ISSN No. 0974-0430).
  
12. **B.Srinivas**, G.Sreeramulu, R.Tvenkatesh and N.K.Singh (1996). Studies on the organization and expression of wheat (*Triticum aestivum* L) triticin genes. In: *Agricultural Biotechnology* (V.L Chopra, R.P.Sharma and S.Swaminadhan, Eds.) pp215-223. (ISBN No.1886 106 789).

#### **National Research Publications:**

- (1) N.K. Singh, G. Sailesh, A. Kumar, Sarita, N. Puri, D. T. Singh, G.K. Garg, S. Sayal, A.K. Gaur and **B. Srinivas**. (1998). Improvement in the nutritional quality of wheat through genetic engineering. In: *Genetics and Biotechnology in Crop Improvement* (P.K. Gupta, S.P. Singh, H.S. Balyan, P.C. Sharma, B. Ramesh Eds) . pp 158-168. (ISBN No. 8171 333 192).

(b) Books (please provide complete list indicating the title, year of publication, name & address of the publisher with ISBN etc.)

-Nil-

(c) Full papers published in conference / seminar proceedings (not abstracts) (please provide complete list indicating the title of the paper, title of the conference proceedings book or volume, name & address of the publisher with ISBN etc.)

-Nil-

(d) Popular articles in newspapers / magazines (please give complete list indicating the caption / title, name of the newspaper / magazine and date of publication of article including the page number/s)

-Nil-

## 12. Research Projects

S.No	Sponsored by	Title	Duration	Amount(Rs)
1	UGC (F.No. 37-489/2009 /SR, dated 21-December-2009)	UGC-MRP Optimizing genetic transformation methods in some medicinal plants	3 years (From 01- 02-2010 to 31-01-2013)	536300/-

## 13. Presentation of papers in National / International level conferences / seminars etc.

### National

1. **Srinivas B.\***, Narendra Reddy C.M, Chaithanya Lakshmi P.V. , Rajagopal.M, Swetha Prasuna V. N. (2018) Studies on genetic improvement of *Cissampelos pareira* and *Oxalis corniculata* by *Agrobacterium* –Mediated transformation. A National conference on innovations and future challenges in Biotechnology (NCIFCB-2018) organized by the department of Biotechnology, Sri Venkateswara University, Tirupati, Andhrapradesh, India during 26<sup>th</sup>-28<sup>th</sup>, March-2018.
2. **B.Srinivas\***, C.M. Narendra, P.V. chaitanya laxmi (2017) *Arabidopsis*: A model plant to study the environmental pollution. A National Seminar on Recent advances in Biotechnology (NSRAB-2017) organized by the department of Biotechnology, School of Herbal studies & Naturo sciences, Dravidian university, Kuppam, India during 9<sup>th</sup>&10<sup>th</sup>-2017.
3. **B.Srinivas** (2017) Ozone pollution causes forest decline and global warming. A National seminar on Global warming and its impact organized by Department of chemistry, SML government degree college, yemmiganur, Kurnool (District), A.P, India during 27<sup>th</sup> & 28<sup>th</sup> of February, 2017.

4. **B.Srinivas** and Swetha prasuna V.N (2016) Studies on efficient shoot regeneration from nodal explants of *Oxalis corniculata*. A National seminar on Anthropogenic environmental change and the emergence of infectious diseases in wild life organized by Department of chemistry, SML government degree college, yemmiganur, Kurnool (District), A.P, India during 23<sup>rd</sup> & 24<sup>th</sup> of February, 2016.
5. M.Rajagopal and **B.Srinivas**(2013) Studies on *Agrobacterium tumefaciens*-mediated transformation in *Cassia occidentalis*. National Seminar on Perspectives of Phytomedicine and Medicinal plants Conservation(NSPPMC) organized by the Department of Botany, Sri Venkateswara Uuniversity, Andhrapradesh, India during 22<sup>nd</sup> and 23<sup>rd</sup> March, 2013.
6. M.Rajagopal and **B.Srinivas**(2012) Optimizing *Agrobacterium*-mediated Transformation in Some Medicinal Plants. National Seminar on Emerging Trends in Biotechnology:Challenges and Opportunities Organized by Department of Biotechnology School of Herbal Studies and Naturo Sciences, Dravidian university, Kuppam-517426, Andhrapradesh, India during 13<sup>th</sup>-15<sup>th</sup> March, 2012.
7. Lokanatha Valluru, **B.Srinivas**, C.Rajagopala Reddy, D.Sripriya and C.V.Naidu (2008) Medicinal plants and herbal remedies as Ayurveda in India. National workshop on Dravidian Herbal Heritage and Modern clinical Systems organized by the Department of Biotechnology, School of Herbal Studies and Naturo Sciences, Dravidian university, Kuppam-517426, Andhrapradesh, India during 1<sup>st</sup>-4<sup>th</sup> August, (2008).
8. **B.Srinivas** and N.K.Singh (1993). Further characterization of wheat triticin cDNA clones. Annual Meeting of Society of Biological Chemists of India, held at Madurai, India.
9. N.K.Singh, D.T.Singh, G.K.Garg, A. Rawat, L.Arul and **B.Srinivas**(1995) Prospects for the genetic engineering of wheat for improved nutritional quality. All India Symposia on Recent Advances in Biotechnological applications in plant tissue and cell culture, Mysore, India.

### **International**

- (1) Isolation and characterization of an ozone-sensitive *ozs1* mutant of *Arabidopsis thaliana* (2003). **BATHULA, Srinivas**, KUBO, Akihiro, TAMAOKI, Masanori, KANNA, Machi AONO, Mitsuko, NAKAJIMA, Nobuyoshi, SAJI, Hikaru. Annual meeting of the Genetic Society of Japan held in Sendai, Japan from September 24 to 26, 2003.
- (2) Characterization of an ozone-sensitive *ozs1* mutant of *Arabidopsis thaliana* and identification of the responsible gene(2003).**BATHULA, Srinivas**, KUBO, Akihiro, TAMAOKI, Masanori, KANNA, Machi, AONO, Mitsuko, NAKAJIMA, Nobuyoshi, SAJI, Hikaru. *The 26th annual meeting of the molecular biology society of japan*, Kobe, Japan, December 11-12, 2003.

- (3) N.K.Singh, D.T.Singh, G.K.Garg, A.Rawat, L.Arul and **B.Srinivas** (1996).  
Wheat triticin: Current status and scope for wheat quality improvement through genetic engineering . Gluten `96 and Cereal 96' Sydney, Australia.

14. Participation in National Level Conferences / Seminars etc.

1. National seminar on Influence of Medicinal Plants on Human Life Organized by the Department of Biotechnology, School of Herbal Studies and Naturo Sciences, Dravidian university, Kuppam-517426, Andhrapradesh, India during 19<sup>th</sup>-20<sup>th</sup> August 2011.

15. Participation in International Level Conference / Seminars etc. (please provide complete list of the events with sponsors and organizers details, venue and dates etc.)

-Nil-

16. Training / In-service / Refresher etc., Programmes attended

1. UGC-Sponsored Orientation Programme held at UGC-Academic Staff College, Sri Venkateswara university, Tirupati from 19-9-2011 to 15-10-2011.
2. UGC-Sponsored Refresher course in IT held at UGC-Academic Staff College, Kannur University, Kannur, Kerala from 16-03-2012 to 05-04-2012.
3. UGC-Sponsored Refresher course in life sciences at Human Resource Development Centre, University of Mysore, Mysore, Karnataka State from 03-11-2016 to 23-11-2016.

17. Membership in Professional Bodies (please give the complete list)

- (1) Life member of The Indian Science Congress Association (Membership No. L16233).

**Professional Activities**

1. August 19-20, 2011: Influence of Medicinal Plants on Human Life, Organized Dept of Biotechnology, Dravidian University, Kuppam (Organizing committee member).
2. March 13-15, 2012: Emerging Trends in Biotechnology: Challenges and Opportunities. Organized Dept of Biotechnology, Dravidian University, Kuppam (Organizing committee member).

3. March 27th to 29th 2014: Organized as Director for UGC Sponsored National Seminar on Present Status and Future Prospects of Modern Biotechnology and their Applications from 27th to 29th of March 2014 in Dravidian University.
4. February 09 & 10, 2017: Two day National seminar on Recent Advances in Biotechnology-2017. Organized by Dept of Biotechnology, Dravidian University, Kuppam (Organizing committee member).

18. Guest / Expert Lectures delivered (please provide the complete list with details like theme of lecture, name and address of the organizer/s, date of the event etc.)

-Nil-

#### 19. Guiding Research Scholars

#### **M.Phil / Ph.D degrees awarded:**

	Name of the Research scholar	Research topic	Month & year of award
1.	Gunda Sudha sri purna	Studies on efficient shoot regeneration and <i>Agrobacterium tumefaciens</i> -mediated transformation in <i>Marselia Quadrifolia</i> Linn.	August, 2017
2	V.N.Swetha Prasuna	“Factors influencing on regeneration and <i>Agrobacterium tumefaciens</i> -mediated transformation in <i>Oxalis corniculata</i> Linn and <i>Spilanthes acmella</i> Murr an important medicinal plants.	March, 2017
3	Raja Gopal.M	Öptimization of <i>Agrobacterium tumefaciens</i> -mediated transformation in some medicinal plants	Äpril, 2015

**M.Phil / Ph.D research scholars work in progress**

S.No	Name of the Research scholar	Research topic	Month & year of Registration
1.	R.Santosh kumar	“Studies on micropropagation, antimicrobial activity and phytochemical analysis of <i>Euphorbia heterophylla</i> (L.)	“June, 2016
2.	P.V.Chaitanya lakshmi	“Metabolic engineering and tissue culture approaches in <i>Ruellia tuberosa</i> (L.) for the efficient production of Anthocyanins	April, 2016
3.	C.M.Narendra Reddy	“Studies on efficient shoot regeneration and <i>Agrobacterium tumefaciens</i> -mediated transformation in <i>Cissampelos pareira</i> (L.)	December, 2014

20. Patents published / awarded

-Nil-

21. Additional Information

-Nil-

Signature of the Teacher with date