

BRIEF CV OF DR. K.N. AMRUTHESH



Name	DR. K.N. AMRUTHESH
Qualifications	M.Sc. in Botany from Dept. of Botany, University of Mysore M.Phil. in Seed Technology from Dept. of Applied Botany & Biotechnology University of Mysore Ph.D. Degree from Dept. of Applied Botany & Biotechnology, University of Mysore Post Doctoral Degree from University of North Texas (UNT), United States of America (USA)
Address for Correspondence	Asst. Professor & Principal Investigator (DBT) Co-ordinator (Univ. CSIR/ UGC- NET Coaching Centre) Applied Plant Pathology Laboratory Dept. of Studies in Botany, University of Mysore Manasagangotri, Mysuru- 570 006, Karnataka
Contact Details Telephone No./Mobile No. E-mail	Telephone No. 0821-2419760 Mobile No. 91-9448603119 E-mail: dr.knamruthesh@gmail.com/ dr.knamruthesh@botany.uni-mysore.ac.in

Recipient of the following Awards/ Distinctions from National/ International Organizations for research contributions in the field of Plant- Microbe Interactions and Plant Disease Management strategies so far.....

- (1) Indian Science Congress Association (ISCA)-2000- Best Research Paper Award
- (2) **Indian Science Congress Association (ISCA)-2001- Young Scientists' Award**
- (3) UGC National Seminar-2001- Best Oral Presentation Award
- (4) ISMPP-2002- Smt. Guman Devi Verma Best Scientists Award

- (5) **6th International Plant Growth Promoting Rhizobacteria Conference- 2003- Best Presentation and Certificate of Appreciation**
- (6) ISMPP- 2004- Asian Level P.P. Singhal Pesticides India Award
- (7) Indian Society of Plant Pathology- 2005-Best Research Paper Award
- (8) ISMPP- Global Conference- 2005- Professor Bilgrami Best Research Paper Award
- (9) **Govt. of India- DST- Fast Track Young Scientists' Award- 2006**
- (10) **National Festival Committee- Suvarna Kannada Rajyotsava State Govt. Taluk Level Award-2006**
- (11) Mandya District Krishi Samaja- 2006- A Felicitation Honor
- (12) **Govt. of India-DBT- CREST International Award- 2012-2013**
- (13) P.R. Verma Student Award (Commendation) for Research Article- 2012
- (14) IISER, New Delhi- 2015- Dr. A.P.J. Abdul Kalam National Award

Research Credentials

Sl. No.	Research Credentials	Total (in umbers)
1	Research Articles Published in Journals	66
2	Research Articles Published in Periodicals	09
3	Books/ Chapters Published	03
4	Citation Index- range/ average	660
5	*Impact factor - range/ average	0.4 To 3.36
6	*H-index	16

Articles Published in Impact Factor Journals

Sl. No.	Journal	Impact Factor
1	International Journal of Pest Management	0.488
2	Journal of Phytopathology	0.945
3	Phytoparasitica	1.034
4	Journal of Systematics and Evolution	1.134
5	Plant Biosystems	1.360
6	Crop Protection	1.402
7	European Journal of Plant Pathology	1.413

8	Scientia Horticulturae	1.538
9	Pesticide Biochemistry and Physiology	1.713
10	Biologia Plantarum	1.974
11	Plant Biology	2.106
12	Pest Management Science	2.251
13	Plant Disease	2.449
14	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2.653
15	Functional Plant Biology	2.929
16	Plant Science	3.362

Research Projects Undertaken so far (Ongoing Projects/ Consultancies)

(i) On-going Projects / Consultancies

(a) Major Projects Amount Mobilized With > 05 Lakhs: 04

Sl. No.	Title of the project	Funding Agency	Amount	Year
1	Development of Methodologies for Large- Scale Production, Formulation and Field Application of the Novel Beneficial Microbes (PGPF & PGPR) for the Management of Downy Mildew Disease of Pearl Millet and Early Blight Disease of Tomato	Dept. of Biotechnology (DBT), Govt. of India, New Delhi	33.582 Lakhs	01-01-2016 To 01-01-2019

(b) COMPLETED PROJECTS / CONSULTANCIES: 03

1	Novel Elicitors of Microbial Origin for the Immunization of Pearl Millet against Downy Mildew Disease	DST, Govt. of India, New Delhi	7.60 Lakhs	(2006 To 2009)
2	Biomining for LTPs Activity in Plants and Microbes and Utilization of	UGC- Major Research Project, New	7.61 Lakhs	(2009 To 2012)

	LTPs for Induction of Resistance Against PMDM	Delhi		
3	A Strategic Study on the Biodiversity of Biologically Specialized Parasitic Flowering Plants and their analysis for Phytochemical Constituents	UGC- MHRD, IOE- Univ. of Mysore- 100 Crore Grant	14.5 Lakhs	(2010 To 2014)

(c) MINOR PROJECT: AMOUNT MOBILIZED WITH > 01 UP TO 03 LAKH: 01

1	Dept. of Forest, Govt. of Karnataka, PBR (People Biodiversity Register Project	Dept. of Forest, Govt. of Karnataka, Bengaluru	> One Lakh (Minor)	01-01-2015 To Till Date
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SUCCESSFUL PH.D. & M.PHIL. GUIDANCE SO FAR

Sl. No.	Degree	No. of Students obtained their Ph.D. & M.Phil. Degree	Thesis Submitted	Currently Working
1	M.Phil.	04 (Four)	-Nil-	-Nil-
2	Ph.D.	09 (Nine)	-Nil-	05 PhD Candidates
3	PDF/ RA	-	-NA-	02

List of Candidates Awarded Ph.D.M.Phil.

Sl. No.	Name of the Candidate	Year Awarded
1	Ms. M.C. Thriveni (Co-Guide)	2013
2	Mr. M. Murali	2013
3	Mrs. B. Jayalakshmi	2013
4	Mrs. S.R. Mythrashree	2014
5	Mrs. S. Manjula	2014

6	Mrs. G.K. Puneetha	2015
7	Ms. N. Anupama	2016
8	Mrs. S.N. Lavanya	2016
9	Mrs. M.S. Abhayashree	2017

List of Candidates Awarded M.Phil.

Sl. No.	Name of the Candidate	Year Awarded
1	Mrs. M. Smitha Raj	2009
2	Mr. R. Anil Kumar	2010
3	Mrs. D. Krupalini	2011
4	Mrs. P. Hema	2013

List of Indian Academy Science Summer Fellowship Students

Sl. No.	Name of the Candidate	Year
1	Mrs. Nayak Anamika Devi (Co-Guide)	2017
2	Mr. M. Manoj Kumar (Co-Guide)	2017

Particulars of Responsibility held by Dr. K.N. Amruthesh so far

Sl. No.	Position of Responsibility held	
1	Principal Investigator/ Co-ordinator	DST, UGC, MHRD-UGC- IOE, & DBT Major Projects & Govt. of Karnataka- PBR Project since 2006 to till date.
2	Member	PG Botany Admission Committee
3	Co-Chairman	30 th Annual Conference and Symposium on "Advances in Biotechnology for Plant Protection" held at the Dept. of Applied Botany and Biotechnology for P.R. Verma Competition session dated 17 th to 19 th Nov. 2008
4	Chief Superintendent	University of Mysore- PG (MBA) Out Reach Examination at Magnus School of Business

		(MSB), Chennai, Tamil Nadu from 23-06-2009 to 06-07-2009.
5	Member	Board of Studies in Botany, Kuvempu University
6	Observer	University of Mysore, for conducting IV Semester PG Biotechnology, Biochemistry, Microbiology, and B.T.H. Courses at Out Reach Centre of Indo- American Institutions, Anakapalle, Vishakapattanam, Andhra Pradesh on 26 th August 2009.
7	Member & Convener	Selection Committee- Project Fellow- UGC Major Research Project, Dept. of Botany, University of Mysore
8	Chairman (In- Charge)	Dept. of Studies in Botany, Univ. of Mysore, MG, Mysuru on 13 th October 2009, 23 rd to 27 th November 2009 and 17 th December 2009, 4 th January 2010, 2 nd March 2010, 6 th March 2010, 8 th March 2010 and 13 th March 2010, 1 st to 6 th February 2016.
9	Member	Selection Committee for the appointment of PDF/Project Associate/ Project Fellow- 100 Crore- MHRD- UGC- Institution of Excellence Project dated 25-03-2010.
10	Chief Superintendent	for conducting PG Examinations of July/ August 2010 at Outreach Centre of University of Mysore, served at Magnus School of Business, Chennai from 29 th July 2010 to 5 th August 2010.
11	South Zone President/ Councillor	Elected unopposed Indian Society of Mycology and Plant Pathology- for the year 2009-2010 (Letter dated 06-12-2010).
12	Organizing Secretary	National Conference on "Plant Diversity and Plant Health" Dept. of Botany, Univ. of Mysore dated 11 th & 12 th March 2010.
13	Member/Teacher-in- Charge/ Dept. Furniture In- Charge	Tender Scrutiny Committee (Letter dated 11-08-2011).
14	Member	Selection Committee- UGC Major Research Project Fellow, at Govt. Science College, Hassan (Letter dated 03-03-2011).
15	Organizing Secretary	Indian Society of Mycology and Plant Pathology Conference on "Fungal Diversity and Emerging Crop Diseases" dated 12 th & 13 th

		March 2011.
16	Member	Faculty of Science & Technology, University of Mysore for Two Years or until further orders (Letter dated 28-04-2012).
17	Member	University Sub- Committee (CBCS Core Committee) for the possibility of generating a list of Hard Core and Soft Core Courses of all Biology related Departments under the title" Life Sciences"
18	Member	University Sub- Committee- Brain- Storming Workshop- Advisory Board- 2014-15 of Special Cell for SC/ ST, Univ. of Mysore.
19	Co-ordinator (CBCS)	M.Sc. Botany Programme, University of Mysore for two years (2014- 2016).
20	Presiding Officer	Served as for the General Elections to the House of People-2014 (Letter dated 04-04-2014).
21	Deputy Chief Superintendent	PG Entrance Examination- 2014- University of Mysore (Letter dated 18-07-2014).
22	Member-	Board of Examiners in Botany (PG), University of Mysore-July 2014/ Jan. 2015.
23	Chairman	Board of Examiners in Botany (PG), University of Mysore-July 2015/ Jan. 2016.
24	Chief Superintendent/ Observer	PG Entrance Examination- 2015, University of Mysore (Letter dated 22-07-2015).
25	Chief Superintendent-	PG Diploma in Clinical Research and Clinical Data Management CBCS and Non- CBCS Examination- 2015 at IC Bio Clinical Research Pvt. Ltd. (Letter dated 29-08-2015).
26	Member	ISCA Volunteers Sub- Committee, University of Mysore (Letter dated 19-09-2015).
27	Chief Superintendent	University of Mysore- Out reach Center- II Sem Master in Fashion and Apparel Design (MFAD), at Bengaluru (Letter dated 03-11-2015).
27	Deputy Chief Superintendent/ Observer	PG Entrance Examination- 2016, University of Mysore (Letter dated 06-07-2016).
28	Member	Board of Examiners (BOE) in Botany, University of Mysore- July 2016 & Jan. 2017.
29	Member-	Board of Examiners (BOE) in Applied Botany, Kuvempu University
30	University Nominee- Member	Board of Studies in Botany, JSS College for Women (Autonomous), SS Puram, Mysuru
31	University Nominee- Member	Board of Studies in Botany, JSS College of Arts,

		Science and Commerce (Autonomous), Ooty Road, Mysuru
32	University Nominee- Member	Board of Studies in Botany, St. Philomena's College (Autonomous), Mysuru
33	University Nominee- Member	Board of Studies in Botany, Government First Grade College (Autonomous), Mandya
34	University Nominee- Member	Board of Studies in Botany, Government College for Women, Mandya.
35	University Nominee- Member	Board of Studies in Botany, Government First Grade College (Autonomous), Hassan
36	University Nominee- Member	Board of Studies in Botany, JSS College, SS Puram, Mysuru
37	Secretary	Botanical Society
38	Organizing Secretary	Two day special lecture serried on the theme "Advancement of R & D in Plant Science in 21 st Century" organized as a part of University Centenary Celebrations (1916-2016) at the Dept. of Botany, Uni. of Mysore, MG, Mysuru from 2-3, June 2016.
39	Rapporteur	Plant Science Session of Indian Science Congress Association National Conference from 3 rd to 7 th January 2016 held at Uni. of Mysore.
40	Co-ordinator	University CSIR/ UGC- NET Coaching Centre (Univ. Order NO. DV3/ 385/ NET/ 2004-05 dt. 04-03-2014) from 10-03-2014.
41	Chairman	Board of Examiners in Botany (PG)- Karnataka State Women's University, Vijayapura (Letter dated 17-10-2015).
42	Reviewer	Plos One Journal
43	South Zone Councillor	Indian Society of Mycology and Plant Pathology, Udaipur, Rajasthan-2011-2012
44	Member	Board of Studies in Botany (PG), Karnatak University- 2017-2019
45	Member	Board of Examiners in Botany (PG), Davanagere University, Davanagere
46	Member	Board of Examiners in Biotechnology (PG), Kuvempu University, Shivamogga
47	Member	Board of Examiners in Environmental Science (PG), Tumkur University
48	Member	Board of Studies in Botany (PG), Akkamahadevi Women's University, Vijayapura

Invited Lectures Delivered in Conferences/ Seminars/ At Various Institutes so far= 35

CREDENTIALS/ SIGNIFICANT CONTRIBUTIONS

Sl. No.	Credentials/ Significant contributions	Year
1	Report of New Pathotype of <i>Sclerospora graminicola</i> , a downy mildew pathogen in pearl millet during the field survey of pearl millet downy mildew disease assessment in Maharashtra region	1999
2	Report of new species <i>Viscum bandipurens</i> (Viscaceae) from Bandipur National Park, Bandipur, Karnataka	2013
3	Identified five Plant Growth Promoting Rhizobacteria (PGPR) strains and deposited the sequence at NCBI, Gen Bank with accession numbers KC438285 to KC438289 on 25 th February 2013	2013
4	Identified a new fungus from <i>Viscum orientale</i> and deposited the sequence at NCBI, Gen Bank with accession numbers KC559887 on 28 th Jan. 2013	2013
5	Identified five Plant Growth Promoting Fungus (PGPF) strains and deposited the sequence at NCBI, Gen Bank with accession numbers KF150219 to KF150223 and KF160880 on 28 th May 2013	2013
6	Documentation and Formulation of artificial keys for the identification of Biologically Specialized Parasitic Angiosperms belonging to the families Loranthaceae and Viscaceae of Karnataka by undertaking extensive field survey	2014
7	Identification of a few strain of Plant Growth Promoting Rhizobacteria (PGPR) and Plant Growth Promoting Fungi (PGPF) which enhance the plant growth and induce resistance in pearl millet against downy mildew disease and aimed for bioformulation development for larger scale (microbial product). This concept has been accepted by the Department of Biotechnology (DBT), Govt. of India and funded for the same.	2015
8	Recognized Guide in Microbiology of the Uni. of Mysore	
9	Reviewer - Functional Plant Pathology	
10	Reviewer - African Journal of Plant Science	
11	Reviewer - African Journal of Botany	
12	Reviewer - Journal of Phytopathology	
13	Reviewer - Pharmaceutical Biology	
14	Reviewer - Indian Phytopathology	

Membership of Professional Organizations

Sl. No.	Annual/ Life Member	Academic/ Professional Organizations
1	Life Member	Indian Science Congress Association (ISCA)
2	Life Member	Indian Society of Mycology and Plant Pathology
3	Life member	Nuclear Magnetic Resonance Society
4	Life Member	National Academy of Biological Sciences
5	Life Member	National Academy of Biological Sciences
6	Life Member	Association of Microbiologists of India
7	Life Member	Society of Biological Chemists (SBC)
8	Life Member	Botanical Society, Dept. of Botany
9	Life Member	Society of Applied Botany and Biotechnology
10	Member	All India Researchers' Association (AIRA)

Dr. K.N. Amruthesh