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Name : **Dr. N. NIRMAL KUMAR**  
Department Assistant Professor in Botany,  
Designation V.H.N.S.N College(autonomous)  
Virudhunagar-626001  
TamilNadu

Address : 6/1314/2 Thamirabarani street, RS  
Nagar, Virudhunagar -626001

Phone : 9629963333

Email :  
rapdnirmal@yahoo.co.in

Mobile : 9942491167

Experience in Teaching : 9 years

Experience in Research : 14 years

### **Research Experience:**

<i>S. No.</i>	<i>Positions held</i>	<i>Name of the Institutions</i>	<i>Research Experience (Years/ Work)</i>	
1.	Junior Research Fellow(UGC major Project 2003-2006) Full time Scholar	St. Xavier's college, Palayamkottai.	3	Hands on Training in PCR, Electrophoresis
	M. Phil Course Co.Ordinator (2007-2009)	St. Xavier's college, Palayamkottai.	2	Guided two M.Phil Students
2.				

Countries Visited : Czeck republic(2005),Laos(2015)

Education Qualification :

<i>S. No.</i>	<i>Examination Passed</i>	<i>Subjects</i>	<i>Special ization</i>	<i>Year of Passing</i>	<i>% of Marks / Grade Class / Rank</i>	<i>Name of the Institution / College / University</i>
1.	<b>SET</b>	Life Science	Botany	2011	-	Bharathiar University
2.	<b>Ph.D</b>	Botany	Bio Tech	2008	Highly commended	Manonmaniam Sundaranar University
3.	<b>M. Sc</b>	Botany	Botany	2003	First Class	St. Xavier's College, (Autonomous) Palayamkottai
4.	<b>B. Sc</b>	Botany	Botany	2001	First Class	St. Xavier's College, (Autonomous) Palayamkottai
5.	<b>H. Sc</b>	First Group	Biology With Maths	1998	First class	Schaffter Higher S. School.Tirunelveli
6.	<b>SSLC</b>	-	-	1995	First class	Schaffter Higher S. School.Tirunelveli

Titles of Dissertation

Ph.D. : **Details of Ph.D. Degree:**

1. Date of submission of Ph.D Thesis : 07/02/2007

2. Month and year of Ph.D. Degree awarded : 10/01/2008

3. Subject and Title of the Thesis : Botany, Ascertaining the genetic variability and selection of superior genotypes of two medicinal plants of tirunelveli hills of western ghats of south India.

4. Name of the Guide : Dr. A. John de Britto,

Associate Professor,  
Department of Botany,  
St. Xavier's College,  
Palayamkottai.

Areas of Specialization: Plant Molecular Biology and Ecology

Courses Attended:

1. Orientation Course -November 4 to December 3 (2014)-Bharathiyar University

Projects:

Period	Funding Agency	Minor	Amount
2014-2016	UGC	Assessment of Genetic Variability and Election of Superior Genotypes of Two Medicinal Plants of Tirunelveli Hills in Tamilnadu	3 Lakhs

**Seminars Organized as convenor / co-ordinator:**

Date	Acted as	Title and Venue
12/02/2016	Organising secretary (UGC)	National level seminar on Emerging trends in Biological sciences, VHNSN College
10/2/2012 and 11/2/2012	Joint secretary(Moes)	National level seminar on Impact of cyclonic changes and its effect on biodiversity

**Workshop Organized as convenor / co-ordinator:**

Date	Acted as	Title
28/2/2015	Coordinator(TNSCST)	Hands on experience state level “Beginning perl in Bioinformatics”

**Research Papers in Journals:**

**N.Nirmal Kumar and K.U.Pavitra Krishna. 2014. Analysis of Traditional Folk Knowledge Peoples of Tirunelveli Hills, Western Ghats, India. Biolife, Vol. 2, Issue 3, 2014, ISSN: 2320-4257.**

**N.Nirmal Kumar 2014. Pharmacognostic and Phytochemical Analysis of *Vitex Negundo*. L International Journal of Innovative Research in Science, Engineering and Technology, Vol. 3, Issue 7, July 2014, ISSN: 2319-8753]**

**Y.Ananth Kumar N.Nirmal Kumar and R.Pothiraj 2015 Studies on  $\beta$ -Hemolysin producing *Aeromonas hydrophilla* MTCC 646 source Antibacterial activity.**

International Research Journal of Biological Sciences, Vol.4(3), 1-5, March 2015, ISSN: 2278-3202.

**N.Nirmal Kumar 2015. Economic Botanical Documentation of Important Medicinal Plants in the Agasthiyamalai Biosphere Region of Tamilnadu, India. International Journal of Innovative Research in Science, Engineering and Technology, Vol. 3, Issue 8, August, 2014, ISSN: 2319-8753.**

**N.Nirmal kumar.2015.Evaluation of Interspecies relationship of *Cinnamomum* species from Tirunelveli Hills using RAPD.*IJAPSA*.pp-47-50**

**N.Nirmal kumar 2015.Preliminary phytochemical screening and antibacterial studies on the ethanolic leaf extract of *INDIGOFERA GLANDULOSA* WENDL..*Int.j.Life sci.Bt&Pharm.Sci* .Vol.1,No.3 pp-1-5**

**N.Nirmal kumar 2016 Antibacterial activity of *Andrographis paniculata* in Tirunelveli Land slides of Western Ghats. *Int.j.Life sci.Bt&Pharm.Sci* .Vol.2,No.1 pp-1-5.**

**N.Nirmal kumar and K.Palkadal 2015..**Impact of Raising temperature on wetlands in Virudhunagar district,Tamilnadu,India *Biodiversity Conservation aspects and prospects*.pp-159-164.

- . N. Nirmal kumar published an article entitled “**Molecular analysis in *dioscorea alata***. L using **RAPD markers in International Journal Advanced Life Sciences**. Vol (6): 54-59, feb,2013.
- K. Senthil murugan and N. Nirmal kumar **Physico-chemical analysis of the pond wate of Thayilpatti village, Virudhunagar district, Tamil nadu**. *Sciencia acta xavierina*. S-192-194(2012).
- N. Nirmal kumar published and article entitle “**Pharmacognostic and Phytochemical investigations of *ficus religiosa* l. In herbal tech industry** vol (16): 7-10 dec, 2012.
- N.Nirmalkumar and A. John De Britto assesment of genetic variation in *Vitex negundo* by RAPD analysis-bioresearch bulletin page number-92-94.2010.
- N. Nirmal kumar, John De Britto , R Mahesh, G.S. rekha and K. Petchimuthu **Preliminary Phytochemical studies of a medicinal plant *mimosa pudica* l. (mimosaceae)**. *J. Econ. Taxan. Bot.* Vol. 32 no. 1 (2008).
- N. Nirmal kumar, R. Mahesh and R. Mary sujin **Molecular analysis in *rauvolfia tetraphylla* l. Using RAPD markers** *ethnobotanical leaflets* 12; 1129-39,2008.
- N. Nirmal kumar, John De Britto and R. Mahesh **Ethnomedicinal wisdom of the kani tribes in Agasthiayamalai biosphere reserve in south India**. *Malaysian Journal of science* 27(1):75-87(2008)
- N. Nirmal kumar, John De Britto and V. Jose. **Molecular analysis of variability in *centella asiatica*- A medicinal herb from southern India**. *Advances in plant sciences*. 21(1) 141-142.2008.
- N. Nirmal kumar, John De Britto , R. Mahesh, G.S. Rekha and K. Petchimuthu and A. Sahaya pravin. **Ascertaining the genetic variability of *andrtographis paniculata* nees in tirunelveli hills in tamil nadu, india**. *Journal of non-timber forest products*, vol. 15(1): 11-14, 2008.

- N. Nirmal kumar, John De Britto and M. Yogaraj. **Detection of DNA polymorphism in five varieties of rice in Tirunelveli district in india.** Malaysian journal of science 25(2):41-45(2006).
- N. Nirmal kumar and John De Britto **Assessment of genetic variability in *Indigofera linnaei* L.** Indian Journal of botanical research. Ind. J. Bot. Res. 2006. Vol.2(1): 39-42
- N. Nirmal kumar, John De Britto , R. Mahesh, G.S. Rekha and K. Petchimuthu **Ascertaining the genetic variability of *leucas aspera*(willd.) Link in Tirunelveli hills in Tamil Nadu in India.** Curr. Sci. 9 (2) : 921-924 (2006).
- N. Nirmal kumar, John De Britto and R. Mahesh **Genetic variation of *Oldenlandia umbellata* L. of tirunelveli district of tamil nadu using rapd analysis.** Indian Journal of multi disciplinary research. Ind. J. Multi. Res. 2006. Vol. 2(1): 73-76.
- N. Nirmal kumar, John De Britto, A. Sahaya Pravin and S. Harikrishnan. **Isozyme analysis in *Arahniodes amabilis* (bl.) Tindale, an extreme endemic species of western ghats of South India** Indian Journal of forestry, vol. 29(4): 421-422,2006.
- N. Nirmal kumar, John De Britto and R. Mahesh **Determining the genetic variability in *Dioscorea alata* L. In tirunelveli hills in tamil nadu.** Indian J. Environ. & ecoplan 12 (3) :731-734 (2006).

16.N. Nirmal kumar, John De Britto and A. Sahaya pravin **Genetic variation of *Acalypha Indica* of Tirunelveli district of Tamil nadu using RAPD ANALYSIS** Indian J. Environ. & Ecoplan. 10 (2): 521-524 (2005)

17.N. Nirmal Kumar, John De Britto, Vilim Simanek And Pavel Published an article **Chemo and genetic profiling of *Rauvolfia serpentina* (L.) Benth. ex Kurz populations in Tirunelveli hills in south India.** *J Med Arom Pl Sci* 31: 21-24 (Mar. 2011).

18.N. Nirmal Kumar, John De Britto **Genetic and chemical variability in populations of *Dioscoreapentaphylla* L. In Tirunelveli hills in south india.** *Indian Journal of Forestry.* Pg. 89- 95 (Mar. 2011).

**Papers presented/ Participated in National / International Seminars, Symposia, Conferences and Workshops**

**National level Seminars / Workshops / Conference**

- National seminar on “ **Shrinking Wetlands! Raising Glonal Temperature!!** Sponsored by Ministry of Earth Sciences, Govt. of India, New Delhi. At Rani Anna Govt. College for Women. Held on July 21,22,2011.
- National Workshop on “**Entrepreneurship Developmental Programme for Biologists**” organized by Department of Botany, TDMNS College, T. Kallikulam, Tirunelveli on February 17,2012.
- National seminar on “**Cyclonic changes and its impact on Marine biodiversity**” organized by DST-FIST Sponsored Department of Botany. V.H.N.S.N College held on 9<sup>th</sup> and 10<sup>th</sup> February, 2012.
- National Level Seminar on **Human Rights Challenges and Responsibilities** Held at VHNSN College, Virudhunagar on 29<sup>th</sup> and 30<sup>th</sup> September,2011
- National Conferences on “**Biodiversity Conservation and Sustainable Utilization**” organized by the Department of Botany, Pasumpon Thiru Muthuramalinga Thevar Memorial College, Kamuthi, on 11<sup>th</sup> and 12<sup>th</sup> October 2012.
- National level Biological Congress on “**Promising Faces of Biotechnology**” organized by the Departments of Biological Science, Muthayammal College of Arts & Science, Rasipuram- 637 408. Held on 7<sup>th</sup> and 8<sup>th</sup> January 2011.
- National conference on **Conservation and utilization of medicinal plants** sponsored by UGC held in SFR college,sivakasi on 9<sup>th</sup> and 10<sup>th</sup> deec2010
- Workshop on **Computer hardware and system maintenance** By UGC at VHNSN college,virudhunagar -5<sup>th</sup>-13<sup>th</sup> march 2012.
- National conference on **Global climatic changes** sponsored by **MOES** in SXCollege,palayamkottai-feb19-20<sup>th</sup>2009.
- Workshop on **Train the trainers** in VHNSN College, Virudhunagar on 20-1-2012 and 21-1-2012.
- National seminar on **Bioprospecting of Bioresources** in St. Xavier’s College, Palayamkottai. 8<sup>th</sup> to 10<sup>th</sup> Dec. 2005.

- National Conference on **Forest Biodiversity Resources in Madurai Kamaraj University** on March 21 & 22, 2006.
- National seminar on **Teaching Empowerment for Class Room effectiveness** St. Xavier's College, Palayamkottai 1<sup>st</sup> & 2<sup>nd</sup>, Feb-2008.

### **International level Seminars / Workshops / Conference**

- International Conference on Tropical Botanical Asia presented a paper entitled Extracellular synthesis of Silver nanoparticles using the Bark extract of *Mimusops elengi* L and their antimicrobial activity held at Vientiane Laos on December 6-11.2015
- International Conference on **Sea, land, people** -Marine and Terrestrial Ecology presented a Paper titled **Biotechnology a God's Gift** (ICMTE) Jesuit Tsunami Services. At St. Xavier's College(Autonomous) held on January 17,19,2006.

### **Papers Presented**

#### **Paper Presented in State level Seminars / Workshops / Conference**

- Dr. N. Nirmal Kumar Presented paper entitled "**GENETIC VARIATION IN *GARCINIA INDICA***" in the State Level Conference on "Emerging Trends in Physical & Biological Sciences" held at Nandha Arts & Science College, Erode. 17.02.2012.
- Dr. N. Nirmal Kumar actively participated and interacted during the State level Seminar on **Ethics of Biotechnology** in Sri Paramakalyani Centre for Environmental science, Held on 10<sup>th</sup> Aug. 2002.
- Dr. Nirmal Kumar Presented paper on **Assessment of genetic variability in *Indigofera Glandulosa willd.*** In St. Mary's college thoothukudi, Held on 23<sup>rd</sup> & 24<sup>th</sup> Feb. 2007.



## **Paper Presented in National level Seminars / Workshops / Conference**

- Dr. N. Nirmal Kumar Presented paper entitled "**EFFECTS OF CLIMATE MANAGEMENT ON INDIGENOUS PEOPLES**" in the National Seminar on "*CYCLONIC CHANGES AND ITS IMPCT ON MARINE BIODIVERSITY*" held at VHNSN College, Virudhunagar. 09.02.2012 & 10.02.2012
- Dr. N. Nirmal Kumar presented paper entitled "**AN ASSESSMENT OF THE IMPACT OF CLIMATE CHANGE ON FOOD IN THE TUTICORIN SEA**" in the National Seminar on "*CYCLONIC CHANGES AND ITS IMPCT ON MARINE BIODIVERSITY*" held at VHNSN College, Virudhunagar.  
09.02.2012 & 10.02.2012
- Dr. N. Nirmal Kumar Presented paper entitled "**EFFECT OF CHERNOBYL ACCIDENTS BY CYCLONES IN KELP AREAS**" in the National Seminar on "*CYCLONIC CHANGES AND ITS IMPCT ON MARINE BIODIVERSITY*" held at VHNSN College, Virudhunagar.  
09.02.2012 & 10.02.2012
- Dr. N. Nirmal Kumar & Dr. P. Mehalingam Presented paper entitled "**EFFECTS OF GLOBAL CLIMATE CHANGE ON CORAL REEFS**" in the National Seminar on "*CYCLONIC CHANGES AND ITS IMPCT ON MARINE BIODIVERSITY*" held at VHNSN College, Virudhunagar.  
09.02.2012 & 10.02.2012
- Dr. N. Nirmal Kumar & Dr. P. Mehalingam Presented paper entitled "**THE IMPACT OF THANE CYCLONE IN CUDDALORE SEASHORE**" in the National Seminar on "*CYCLONIC CHANGES AND ITS IMPCT ON MARINE BIODIVERSITY*" held at VHNSN College, Virudhunagar.  
09.02.2012 & 10.02.2012
- Dr. N. Nirmalkumar presented paper **ELDER ABUSE** in the National seminar in Human rights held at VHNSN College, Virudhunagar-29-9-2011,30-9-2011

- Dr.N.Nirmalkumar presented **PAPER SHRINKING WETLANDS IN SRIVILLIPUTHURREGION** held at Rani anna govt college, Tirunelveli. July 21 and 22-2011.

**Books Published:**

**Book Chapters**

<i>S.No.</i>	<i>Title of the Book / Chapter</i>	<i>Publisher</i>	<i>ISBN No.</i>
1.	<b>Book Name:</b> Experimental phytochemical Techniques <b>Chapter Name:</b> Documentation of Traditional Knowledge of Kani tribals in the Agasthiyarmalai Western ghats(12) - 2011	New India Publishers, New Delhi	978-93-80235943
2	<b>Book Name:</b> Envoinformatics ( Arvind Kumar) <b>Chapter Name:</b> Determining the Genetic Variability of <i>Dioscorea alata</i> in Tirunelveli Hills in Tamil Nadu (243) - 2008	Daya Publishing House, New Delhi.	978-81-7035-478-9
3	<b>Book Name:</b> Concepts of Bio Physics (Arvind Kumar) <b>Chapter Name:</b> Genetics variation of <i>Acalypha indica</i> of Tirunelveli District of Tamil Nadu using RAPD Analysis (313) - 2005	APH Publishers, New Delhi.	81-7648-922-0

M.Phil/Ph.D details:

Degree	Awarded	Submitted	Guiding
Ph.D.	-	-	2
M.Phil	5	-	-

Invited Lectures Delivered:

**Guest Lecture Programme in Other College:**

Name	Title	Venue/Date
Dr. N. Nirmal Kumar	Environmental Awarance Camp	P.S.R. College of Education, Sivakasi. 25 Nov. 2011.
Dr. N. Nirmal Kumar	Environmental Awarance is an Immediate need	RPN College of Education, Sivakasi. 23 Dec. 2011
Dr. N. Nirmal Kumar	Climate change	M.S.P College of Education, Virudhunagar. 12 <sup>th</sup> April, 2013

**Resource Person**

Acted as Resource Persons – International level

- Acted as Rappoteur in the Interntional Conference on Tropical Botanical asia held at Vientiane Laos on December 6-11.2015

Acted as Resource Persons – National level

Acted as a Chairperson in the UGC Sponsored National Conference on "Biological Science; The Amalgamation and Advancement of Multi Disciplinary Life Sciences" held at V.V.V. College for Women, Virudhunagar.18-12-2014

Co-Ordinator:

**Administrative Experience :**

S. No.	Positions held	Name of the Institutions	Duration		Years of experience
			From	To	
1.	Co- Ordinator	Trust Community College, Vengadampatty, Tirunelveli(Dt)	June 2006	May 2007	1 Year

Honours Achieved

**Award / Prize /Distinction receive:**

<i>S.No.</i>	<i>Name</i>	<i>Institution</i>	<i>Purpose of Award</i>	<i>Year</i>
1.	UG Academic Gold Medal	St. Xaviers College, Palayamkottai	First Rank	2002
2.	PG Academic Gold Medal	St. Xaviers College, Palayamkottai	First Rank	2004
3.	Bharath Award receive from <b>Mr. W. I. Devaram I.P.S</b>	Trust Community College, Venkadampatti.	Environmental Research	2009
4.	People Leader Award Receive from <b>Pondicherry Chief Minister Mr. N. Rangasamy</b>	Trust Community College, Venkadampatti.	Research	2010

Extension Activities

**EXTRA CURRICULAR ACTIVITIES:**

<i>S. No.</i>	<i>Position Held</i>	<i>Name of the Institution</i>	<i>Period</i>		<i>Years of experience</i>
			<i>From</i>	<i>To</i>	
1.	Stand Programme Incharge	St. Xaviers College, Palayamkottai	1998	1999	1 Year
2.	District Level Youth Leadership camp Volunteer	St. Xaviers College, Palayamkottai	08/10/1999	12/10/1999	-
3.	NSS Volunteer (Unit 30)	St. Xaviers College, Palayamkottai	1998	2000	2 Years
4.	Incharge for AIDS Awareness Rally Camp	Junior champer International, Virudhunagar	13/09/2010	-	-

5.	Environment Awareness Cycle Camp (Virudhunagar – Courtallam)	VHNSN College, Virudhunagar	09/09/2010	11/09/2010	-
6.	Incharge for Job Mela (Tamil Nadu Government Employment)	VHNSN College, Virudhunagar	21/01/2011	-	-
•	Co-ordinator for NTSE Exam, TET and NET (Biology)	KVS School, Virudhunagar.	15/06/2010	-	On Going