



## Dr. N.G.P. ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

Approved by Government of Tamil Nadu & Accredited by NAAC with 'A++' Grade (3<sup>rd</sup> Cycle)

Dr. N.G.P. - Kalapatti Road, Coimbatore-641048, Tamil Nadu, India

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### Department of Biotechnology

#### Activities (2021-22)

##### 1. Guest Lecture/Invited Lecture

S. No.	Date	Name and Designation of the Resource Person	Topic	Venue	Beneficiary
1.	18-Sep-21	Dr.N.Sivakumar, Ph.D Assistant Professor Department of molecular microbiology	Probiotics and its applications	Google Meet: <a href="https://meet.google.com/uat-fkhh-tbp">https://meet.google.com/uat-fkhh-tbp</a> , <a href="https://meet.google.com/iorf-zrgu-uei">https://meet.google.com/iorf-zrgu-uei</a>	97 Students
2.	30-Sep-21	Dr.G.Mathan, Ph.D., FABMS Associate Professor Department of biomedical science	Scientific validation of traditional Tibetain medicine (yukungkarne) against Ovarion Cancer	Google Meet: <a href="https://meet.google.com/uat-fkhh-tbp">https://meet.google.com/uat-fkhh-tbp</a> , <a href="https://meet.google.com/knf-zrgu-uzq">https://meet.google.com/knf-zrgu-uzq</a>	98

**2. Seminar /Workshop Conferences organized**

S. No.	Date	Nature of the Event (Conference/ Seminar/Workshop)	Number of External Participa nts	Title of the Event	Name & Designation of the Speakers	Name & Affiliation Chair & Co-chair	Fundin g Agency	Total Fundin g
3.	31- Mar- 22	Alumni Interaction	55	Career Opportunities and Scholarships in Research for Biological Science students	Ms.Soundarya D, Project Assistant CSIR CFTRI, Mysuru.	Dr. Arun. P, Professor, Department of Biotechnology	-	-
4.	30- Mar- 22	Interdepartmental Bioquiz	34	Interdepartmental Bioquiz	Dr. Arun Professor	Dr. Arun. P, Professor, Department of Biotechnology	-	-
5.	29- Mar- 22	Alumni Interaction	60	Data Science in Life Sciences - HealthCare	Mr. Sabarinath K, Data science and Python Tutor, Avodha Edutech Private Limited, Kerala.	Dr. Arun. P, Professor, Department of Biotechnology	-	-
6.	28- Mar- 22	Alumni Interaction	55	How to Create a Career in Bioscience	Mr. Mohan Prabhu J, Admin Manager, Advaita International, Tiruppur.	Dr. Arun. P, Professor, Department of Biotechnology	-	-
7.	29- Dec- 22	International Conference	200	MARINA '21, National Conference on "Recent Developments in Pharmaceutical Biotechnology and	Dr. Neha Garg Professor, Department of Medicinal Chemistry, Faculty of Ayurveda, Institute of Medical Sciences,	Dr. Arun, Professor, Department of Biotechnology	-	-

				Molecular Therapeutics"	Banaras Hindu University, Varanasi-05, Uttar Pradesh, India			
					Dr. Jayalakshmi Krishnan, Professor, Life Sciences, Central University of Tamil Nadu, Thiruvavur, Tamil Nadu, India	Dr. M.N. Kathiravan, Professor, Department of Biotechnology		
					Dr.K.Ruckmani, Professor & Head, Department of Pharmaceutical, Technology, Director, Centre for Nanobio Translational Research (Autonomous) Bharathidasan Institute of Technology, Anna University, Tiruchirappalli – 24	Dr. M.Poongothai, Associate Professor, Department of Biotechnology		
					Dr. VIJAYAPANDI PANDY, Professor, Department of Pharmacology Chalapathi Institute of Pharmaceutical Sciences, Chalapathi Nagar, LAM, Guntur - 34, Andhra Pradesh, India	Dr. Radha Palanisamy Assistant Professor, Department of Biotechnology		
8.	28-Dec-21	Webinar	58	Beware of Predatory Journals	Dr. V. Balasubramanian Assistant Professor II, Amity Institute of Biotechnology,	-	-	-

					Amity University- Chhattisgarh, Raipur, Chhattisgarh			
9.	09- Dec- 21	Observance of world soil day on	35	Interdepartmental Bioproducts	Dr. S. Uma Maheswari, Assistant Professor & Head, Department of Food science & Nutrition and Dr.C.Hemalatha, Assistant Professor, Department of Clinical Laboratory Technology			
10.	23- Oct- 21	Workshop	60	Competitive Intelligence In Life Science	Dr Snigdha Gupta Associate Director, Prescient Healthcare Group, 105-106 MG Road, Time Tower, Gurugram, Gurgaon, Haryana.	-	-	-
11.	12- Oct- 21	Workshop	65	Working of Commercial Labs	Dr Mohana Manoharan Organic Chemist, Eurofins ARL, 225A, George St, Queens Park, Welshpool, WA - 6107	-	-	-
12.	06 & 07- Oct- 21	Hands on Training Program	58	Microbial Isolation and Molecular Analysis for KMCH College of Pharmacy Students	Dr. M. Poongothai Associate Professor Dr. NGP ASC, Coimbatore Dr. Radha Palaniswamy Assistant Professor Dr. NGPASC, Coimbatore	-	-	-
13.	01- Oct-	Alumni Interaction	65	Covid 19 – A Virus with billion dreams	Dr. Krishnavignesh L, Head – Learning,	Dr. Arun. P, Professor,	-	-

	21				Research and Development, Member – Secretary, IHEC, CFC, RI , Senior Embryologist Chennai Fertility,Center and Research Institute, Chennai.	Department of Biotechnology		
14.	29-Sep-21	Interdepartmental Bioidea competition	30	Interdepartmental Bioidea competition	Dr.D.Sridevi, Professor & Head, Department of Food science & Nutrition and Mrs.S.Kokila, Assistant Professor & Head, Department of Clinical Laboratory Technology		-	-
15.	22-Sep-21	Interdepartmental rose day	45	Interdepartmental rose day	Dr.J. Rangaramanajum, Professor & Head, Department of Microbiology and Dr.S.Gowri, Professor & Head, Department of Biochemsitry		-	-
16.	28-Jul-21	Alumni Interaction	58	Advances in Animal Tissue Culture	Mrs. Deepa.O, (M.Sc., Biotechnology 2008-2010 Batch) Senior Embryologists, Chennai Fertility Centre and Research Institute, Chennai.	Dr. Arun. P, Professor, Department of Biotechnology	-	-
17.	12-Jul-21 to 16-Jul-21	ATAL FDP	86	Meta Genomics-Tool for Drug development through Bioprospecting	Dr.Ranjith Kumavath Department of Genomic Sciences Central University of Kerala Kerala	-	-	-

				<p>Synthetic Biology and drug Engineering</p>	<p>Dr. Joseph Selvin Department of Microbiology Pondicherry University</p>			
				<p>Bioprospecting and genome editing in microorganisms for drug development</p>	<p>Dr. Prakash Motiram Halami CSIR-CFTRI Mysuru Karnataka</p>			
				<p>Understanding genetics of cancer and drug development</p>	<p>Dr. R. Sivasamy Department of Human Genetics Bharathiar University Tamil Nadu</p>			
				<p>Defeating Cancer Therapeutic Hindrance by Drug Repurpos</p>	<p>Dr. Ranjith Kumavath Department of Genomic Sciences Central University of Kerala</p>			
				<p>Indian Seaweeds – Potential source for drug molecules</p>	<p>Dr. M. Palanisamy Scientist E Botanical Survey of India Tamil Nadu</p>			
				<p>Plant based drug engineering – Need of hour</p>	<p>Dr. V. Gopal Mother Theresa Postgraduate and Research Institute of Health Sciences, Pondicherry</p>			
				<p>2DE Western blotting and protein identification-Tool for drug development</p>	<p>Dr. Jayaseelan Murugaiyan Department of Biotechnology SRM University-AP Andhra Pradesh</p>			

				Plant Bioprospecting – recent developments	Dr. Geetha N Department of Biotechnology University of Mysore Karnataka			
				Small peptide therapeutics - Protein engineering for enhanced stability	Dr. S. Debnath Head ,Dept of MLT , Biomedical Technology,Women’s Polytechnic, Hapania, Tripura			
				Plant drug formulations- recent developments	Dr. Arulkumaran KTN College of pharmacy Palakkad Kerala			
				Application of Proteomics in Antimicrobial resistance research	Dr. Jayaseelan Murugaiyan Department of Biotechnology SRM University-AP Andra Pradesh			
				Microbial Bioprospecting and drug engineering	Dr. V. Shanmugaraju Department of Biotechnology Dr. N.G.P. Arts and Science College Tamil Nadu			
				Mental well being - Practices	Mrs. Mangaleshwari Manjari Department of Psychology KMCH College of Physiotherapy Tamil Nadu			

### 3. Extension Activities

S. No.	Date	Nature of the extension	Place	Students involved
1	23-Apr-22	To create awareness on “Hygienic Practices on Menstrual health”.	Nellithurai Village, Coimbatore	All III-UG-Biotechnology

#### 4. Awards and Prizes for Staff

S. No.	Name of the Staff	Name of the Award	Awarded by	Cash Prize (If any)	Date
1.	Dr. Radha Palaniswamy	Best Mentor	Dr.N.G.P Arts and Science College	-	08-Mar-22
2.	Mrs. S. Dhanalakshmi	Women Venturous Award-Best lab Technical Staff	Dr.N.G.P Arts and Science College	-	08-Mar-22
3.	Dr. P. Chidambararajan; Dr. K. Arungandhi; Dr. Arun P; Dr. M.N. Kathiravan and Dr. M.Poongothai	Patent	Patent No: 202241011368A	-	03-Mar-22
4.	Dr. P. Chidambararajan	Reviewer, Journal of advances in Microbiology	Journal of advances in Microbiology	-	-
5.	Dr. M.N. Kathiravan	Professor	Dr. NGP Arts and Science College	-	19-Nov-21
6.	Dr. Arun. P	Professor	Dr. NGP Arts and Science College	-	19-Nov-21
7.	Dr. M. Poongothai	Associate Professor	Dr. NGP Arts and Science College	-	19-Nov-21
8.	Dr. Arun. P	Chief Superintendent of Examination	Dr.N.G.P Arts and Science College	-	
9.	Dr. Arun. P	Mentor-Spoken Tutorial	Dr.N.G.P Arts and Science College	-	
10.	Dr. Arun. P	Mentor-Spoken Tutorial	Dr.N.G.P Arts and Science College	-	

#### 5. Staff Recognitions:

S. No.	Name of the Staff	Acted As	Name of the Programme	Date	Venue
1.	Dr. P. Deepak	Chairperson for Oral Presentation	BEAST-21 National Level conference on Biotechnological Effective Approaches in Science and Technology	07 & 08-Apr-22	Google Meet
2.	Dr. K. Arungandhi	Resource Person	Guest Lecture	30-Mar-22	Bharathidasan



					Hall, Govt. Arts College, Perambalur.
3.	Dr.Radha Palaniswamy	Resource Person	Cancer and Therapeutics	15-Dec-21	Hindustan College of Arts and Science
4.	Dr.M.Poongothai	Resource Person	Inaugurate Science Club at on	29-Dec-21	Dr.N.G.P College of Education
5.	Dr.M.Poongothai	Resource Person	Food and Moods	28-Jul-21	Nehru Arts and Science college
6.	Dr. P. Chidambararajan	Member	Board of Studies	-	Kongu Nadu College of Arts and Science, Coimbatore.
7.	Dr. M. Poongothai	Member	Board of Studies	-	Sri Ramakrishna College of Arts and Science, Coimbatore.
8.	Dr. Arun P	Member	Board of Studies	-	Hindustan Arts and Science College

## 6. Staff Participation

S. No.	Date	Name of the Faculty	Name of the Workshop/FDP/Training Programme	College
1.	20-Apr-22 - 26-Apr-22	Dr. P. Chidambararajan	FDP on Impact and Panacea of Environmental Pollution, Past, Present, Future	RR College, Alvar.
2.	20-Apr-22 - 26-Apr-22	Dr. K. Arungandhi	FDP on Impact and Panacea of Environmental Pollution, Past, Present, Future	RR College, Alvar.
3.	20-Apr-22 - 26-Apr-22	Dr. M.N. Kathiravan	FDP on Impact and Panacea of Environmental Pollution, Past, Present, Future	RR College, Alvar.
4.	20-Apr-22 - 26-Apr-22	Dr. Arun. P	FDP on Impact and Panacea of Environmental Pollution, Past, Present, Future	RR College, Alvar.
5.	20-Apr-22 - 26-Apr-22	Dr. M.Poongothai	FDP on Impact and Panacea of Environmental Pollution, Past, Present, Future	RR College, Alvar.
6.	21-Jan-22-30-Jan-22	Dr. P. Chidambararajan	National Level Lecture Series on Molecular Virology	Ministry of Education, Govt. of India

7.	04-Aug-21 – 29-Dec-21	Dr. P. Chidambararajan	Training on Introduction to Computer	Spoken Tutorial
8.	04-Aug-21 – 29-Dec-21	Dr. K. Arungandhi	Training on Introduction to Computer	Spoken Tutorial
9.	04-Aug-21 – 29-Dec-21	Dr. M.N. Kathiravan	Training on Introduction to Computer	Spoken Tutorial
10.	04-Aug-21 – 29-Dec-21	Dr. Arun. P	Training on Introduction to Computer	Spoken Tutorial
11.	04-Aug-21 – 29-Dec-21	Dr. M.Poongothai	Training on Introduction to Computer	Spoken Tutorial
12.	04-Aug-21 – 29-Dec-21	Dr. Radha Palanisamy	Training on Introduction to Computer	Spoken Tutorial
13.	04-Aug-21 – 29-Dec-21	Dr. S. Saranya	Training on Introduction to Computer	Spoken Tutorial
14.	04-Aug-21 – 29-Dec-21	Dr. P. Deepak	Training on Introduction to Computer	Spoken Tutorial
15.	04-Aug-21 – 29-Dec-21	Mr. S. Kamalakannan	Training on Introduction to Computer	Spoken Tutorial

#### 7. Staff Presentation

S. No.	Date	Name of the Faculty	Name of the Conference	Name of the title	College
1	NIL				

#### 8. Students Presentation

S.no	Date	Name of the student	Name of the event	Name of the title	College
1	NIL				

#### 9. Staff Publication

S. No.	Name of the Faculty	Title	Journal Name	ISSN / ISBN No. Date of publishing Vol. No.	Impact Factor	SCI/WoS/ UGC/SSCI/ Scopus
1.	Dr. P. Chidambararaj	In Silico based analysis of possible sied effects of	The Patent office Journal	App. No: 202241011308A	-	-

	an; Dr. K. Arungandhi; Dr. Arun P; Dr. M.N. Kathiravan and Dr. M.Poongothai	biomolecules used for treating blood clots.	Dt: 11-Mar-22			
2.	Kathiravan,M. N., Chidambarajan ,P., Thilagavathi,K ., Abivarshini,B., Akileshwaran, K. and Barathwaj,D.	Isolation, Identification and Characterization of Novel Dye Degrading Bacterial sps. from Textile Dye Wastewater and Soil Samples : <i>Acetobacter orleanensis</i> strain DrNGPASC-BT001 - (GenBank Number: ON077357)	NCBI	-	-	-
3.	Kathiravan,M. N., Chidambarajan ,P., Thilagavathi,K ., Abinaya,R., Abishek,T. and Anirudh,C.S.	Isolation, Identification and Characterization of Novel Dye Degrading Bacterial sps. from Textile Dye Wastewater and Soil :Samples: <i>Pantoea</i> sp. strain DrNGPASC-BT003 - (GenBank Number: ON077507)	NCBI	-	-	-
4.	Kathiravan,M. N., Chidambarajan ,P., Thilagavathi,K ., Abinaya,R., Barathwaj,D. and Anirudh,C.S.	Isolation, Identification and Characterization of Novel Dye Degrading Bacterial sps. from Textile Dye Wastewater and Soil Samples; <i>Bacillus cereus</i> strain DrNGPASC-BT008 - (GenBank Number: ON137232)	NCBI	-	-	-
5.	Kathiravan,M. N., Chidambarajan ,P.,	Isolation, Identification and Characterization of Novel Dye Degrading Bacterial sps. from Textile	NCBI	-	-	-

	Thilagavathi,K , Abivarshini,B., Arthi,R. and Akileshwaran, K.	Dye Wastewater and Soil Samples: <i>Pseudomonas</i> <i>aeruginosa</i> strain DrNGPASC-BT010 - (GenBank Number: ON130974)				
6.	Dr. M.N.Kathirava n	Biodegradation of Endosulfan- a chlorinated cyclodiene pesticide by indigenous <i>Pseudomonas</i> sp MSCAS BT01	Applied Biochemistry & Biotechnology	1559-0291	2.926	SCI/WoS/ UGC/Scopus
7.	Dr. P Arun	Comparative evaluation of trends and challenges faced by conventional and nanaomaterial based remedies for the treatment of type-I diabetes	Journal of emerging technologies and innovative research (JETIR).	2349-5162	-	UGC
8.	Dr. P. Deepak	Mycofabrication of AgONPs derived from <i>Aspergillus terreus</i> FC36AY1 and its potent antimicrobial, antioxidant, and anti-angiogenesis activities.	Molecular Biology Reports. 2021., Springer	1573-4978	2.316	UGC/Web of Science/ SCI

#### 10. Staff Internship

S. No.	Name of the Faculty	Name of the Internship/Fellowship	Duration	Venue
-	NIL	-	-	-

#### 11. Research Funding

S. No.	Name of the Faculty	Name of the project / scheme	Sanction No. and Date	Funding body	Amount
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1.	Dr. P. Chidambararajan	Seed Money Project	Dr.NGPASC/DEAN/ R&D/SM/2020-21/0 and 05-Oct-21	Dr. N.G.P Arts and Science College	INR 5000/-
2.	Dr. K. Arungandhi	Seed Money Project	Dr.NGPASC/DEAN/ R&D/SM/2020-21/0 05-Oct-21	Dr. N.G.P Arts and Science College	INR 5000/-
3.	Dr. M.N. Kathiravan	Seed Money Project	Dr.NGPASC/DEAN/ R&D/SM/2020-21/0 05-Oct-21	Dr. N.G.P Arts and Science College	INR 5000/-
4.	Dr. Arun P	Seed Money Project	Dr.NGPASC/DEAN/ R&D/SM/2020-21/0 05-Oct-21	Dr. N.G.P Arts and Science College	INR 5000/-
5.	Dr. M.Poongothai	Seed Money Project	Dr.NGPASC/DEAN/ R&D/SM/2020-21/0 05-Oct-21	Dr. N.G.P Arts and Science College	INR 5000/-
6.	Dr. Radha Palanisamy	Seed Money Project	Dr.NGPASC/DEAN/ R&D/SM/2020-21/0 05-Oct-21	Dr. N.G.P Arts and Science College	INR 5000/-
7.	Dr. S. Saranya	Seed Money Project	Dr.NGPASC/DEAN/ R&D/SM/2020-21/0 05-Oct-21	Dr. N.G.P Arts and Science College	INR 5000/-
8.	Dr. P.Deepak	Seed Money Project	Dr.NGPASC/DEAN/ R&D/SM/2020- 21/024 05-Oct-21	Dr. N.G.P Arts and Science College	INR 5000/-

### 12. Staff / Student Consultancy

S. No.	Name of the Staff / Student	Area of Consultancy	Duration	Place where Consultancy was offered	Amount
-	-	-	-	-	-

### 13. Co-curricular Activities

S. No.	Name of the Event	Date	Venue	Prize won
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#### 14. Students Participation

S. No.	Date	Name of the Students	Event	College	Inter Collegiate / Inter Departmental	Prizes won
1.	12-Apr-22	Vishnu Varshini B & Arul Pravin A.N.	Paper Presentation	Sri Saraswathi Thiyagaraja College.	Inter Collegiate	-
2.	11-Apr-22	D.Subash	Silambam	State Level Champion	Inter Collegiate	I Prize
3.	07-Apr-22	Monisha. G & Kowsalya P	Paper Presentation	K.S.R College of Arts and Science	Inter Collegiate	-
4.	25-Jan-22	Pavitra J.	Essay Competition	Monmousmi.com	Inter Collegiate	-
5.	05-Dec-21	D.Subash	Silambam	World Silambam Sports Association, Pongupalayam, Permanallur, Tirupur.	Inter Collegiate	I Prize
6.	26-Nov-21	Monisha. G & Kowsalya P	Paper Presentation	Vellore Institute of Technology	Inter Collegiate	-
7.	18- Aug-21	Rahul B.	State champion -	Dead lifting	Inter Collegiate	10 <sup>th</sup> place
8.	13- Aug-21	Siva S.	Silambam	Namakkal District Association Sangam- Namakkal District.	Inter Collegiate	III Prize

9.	7 <sup>th</sup> and 8 <sup>th</sup> - Aug-21.	G. Ragul	Shot Put	Athletic Talent find 2K21 – Junior and senior Athletic champion ship	Inter Collegiate	1st places
10.	7 <sup>th</sup> and 8 <sup>th</sup> - Aug-21.	G. Ragul	Discuss Throw	Athletic Talent find 2K21 – Junior and senior Athletic champion ship	Inter Collegiate	2 <sup>nd</sup> place
11.	21-Feb-21	D.Subash	Silambam	World Silambam Sports Association – MGR House, Ramapuram- Chennai.	Inter Collegiate	I Prize

**15. Book Publications:**

S.No	Date	Name of the staff	Name of the Book	Name of the Publisher
1.	Dr. M.N.Kathirava n	Phytoremediation: A research Note	2022	Lambert Academia Publishing, London.

**16. MoUs Details**

S. No.	Date	Name of the Institution/ University/ Research Lab/ Industries	Purpose	Name of the Department	Beneficiary
-	NIL	-	-	-	-