



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 (3rd Cycle – 3.64CGPA)
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Department of Chemistry

Activates and Achievements - AY 2022-23

1. Guest Lecture/Invited Lecture

S.No	Date	Name and Designation of the Resource Person	Topic	Venue	Beneficiary
1	29-Aug-22	Dr. M. Karunanidhi Assistant Professor, Department of Chemistry, Government Arts College, Coimbatore	Quantum Chemistry	Seminar Hall I	III B.Sc. Chemistry, I M.Sc Chemistry and II M.Sc Chemistry Students
2	29-Oct-22	Mr. D. Poornesh, Scientific Analyst, Molecular Connections, Rathinam IT Park, Coimbatore	Cheminformatics	AV Room 218	I, II, III B.Sc. Chemistry and I, II M.Sc Chemistry Students
3	25-Jan-23	Dr. Mahalingam Sakkarapalayam Associate Professor, Department of Chemistry, PSG College of Arts and Science, Coimbatore	Small molecules Big Players in Biology	AV Room 218	I, II, III B.Sc. Chemistry and II M.Sc Chemistry Students
4	17-Feb-23	Dr. B. S. Krishnamoorthy Assistant Professor & Head, Department of Chemistry, PSG College of Arts and Science, Coimbatore	Introduction to computational chemistry and its applications	AV Room 218	I, II, III B.Sc. Chemistry and II M.Sc Chemistry Students
5	29-Feb-23	Ms. Anakha T H, Academic Centre Head, Byjus Educational Technology Company, Coimbatore	Career Guidance and Life Skills	Class Room A1 412	I, II, III B.Sc. Chemistry Students

6	11-Mar-23	Mekala Veerapandian PhD Scholar, Department of Bionanotechnology Gachon University, South Korea	Nanomaterials in biosensors	AV Room 218	I, II M.Sc Chemistry Students
7	12-Apr-23	Dr. V. Subramanian Outstanding scientist, Head Professor- AcSIR, CSIR- Central leather research Institute, Chennai	Dirac Materials	Seminar Hall II	I, II, III B.Sc. Chemistry and II M.Sc Chemistry Students

2. Seminar / Workshop Conferences organized

S.No	Date	Nature of the Event (Conference/ Seminar/ Workshop)	Number of External Participants	Title of the Event	Name & Designation of the Speakers
1	24-May-22 to 26-May-22	FDP	-	Emerging Chemical Research and Technologies	Dr. N. Muthulakshmi Andal, Assistant Professor of Chemistry, PSGR Krishnammal College for Women, Coimbatore Dr. S. Meenakshi, Professor of Chemistry, Gandhigram Rural Institute, Dindigul Dr. A. Thangamani, Associate Professor of Chemistry, Karpagam Academy of Higher Education, Coimbatore Dr. V. Shobana, Assistant Professor of Chemistry, Avinashilingam Institute for Home Science and Higher education college for women, Coimbatore
2	17-Mar-23	Workshop	-	Fabrication of Dye Sensitized Solar Cells	Dr. B. Janarthanan Professor & Head Department of Physics, Karpagam Academy of Higher Education, Coimbatore

3	12-Apr-23	Conference	29	National Conference on Emerging Trends in Physical Science and Mathematics (ETPSM'23)	Dr. P. Shanmugam Chief Scientist, Organic & Bio- Organic Chemistry, CSIR – Central Leather Research Institute, Chennai. Dr. V. Subramanian Outstanding scientist, Head professor- AcSIR CSIR- Central leather research Institute, Chennai
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3. Extension Activities

S.No	Date	Nature of the extension	Place	Students involved
1	11-Feb-23	Importance of Renewable Energies in Daily Life	Thippanur Village	B.Sc. Chemistry Students

4. Staff Awards

S.No	Date	Name of the Staff	Name of the Award	Awarded by	Cash Prize
1	03-Mar-23	Dr. Shyam Sivappan	Student Project	TNSCST	₹ 7,500
2	10-Mar-23	Dr. R. Menaka	Minor Project	ICSSR	₹ 3,67,500
3	10-Mar-23	Mrs. P. Kavitha	Minor Project	ICSSR	₹ 3,67,500

5. Staff Recognitions

S.No	Date	Name of the Staff	Acted As	Name of the Programme	Venue
1	24-Sep-22	Dr. R. Menaka	Resource Person	Faculty Development Programme	Sri Ranganathar Institute of Polytechnic College, Coimbatore
2	24-Sep-22	Mrs. P. Kavitha	Resource Person	Faculty Development Programme	Sri Ranganathar Institute of Polytechnic College, Coimbatore
3	21-Nov-22	Dr. M. Suganthi	Resource Person	Inauguration of Science Club 2022	Dr. N.G.P. College of Education, Coimbatore
4	28-Nov-22	Dr. R. Menaka	Resource Person	First Year Induction Programme	KGiSL Institute of Technology, Coimbatore
5	06-Jan-23	Dr. M. Dinesh Kumar	Resource Person	Career Guidance Programme for School students	Govt. Hr. Sec. School, Kalapatti
6	24-Feb-23	Dr. R. Rajkumar	Resource Person	Guest Lecture	Narasu's Sarathy Institute of Technology, Salem

6. Staff Participation

S.No	Date	Name of the Faculty	Name of the Workshop/FDP/Training Programme/Conference	College
1	23-Jun-22 to 24-Jun-22	Dr. R. Menaka Mrs. P. Kavitha	"Advancements in Water Technology for Sustainable Development (AdWATS - 2022)"	Dr. N.G.P. institute of Technology, Coimbatore
2	14-Nov-22 to 18-Nov-22	Dr. R. Menaka Mrs. P. Kavitha	Current Scenario in Advanced Materials Research and nanotechnology	Rajapalayam Raju's College, Rajapalayam
3	17-Feb-23	Dr. M. Dinesh Kumar	International Seminar on Advanced Materials for Sustainable Development and Energy Applications	SRM Institute of Science and Technology, Chennai

7. Staff Presentation

S.No	Date	Name of the Faculty	Name of the Conference	Name of the title	College
1	24-Nov-22 to 25-Nov-22	Mrs. P. Kavitha	Indo-South Korea – Thailand 2nd International e-Conference on “Nanoscience and Nanotechnology for Energy, Environment and Biomedical Applications” (iNEEBA2022)	Synthesis, spectral, structural and biological evaluation of 2-amino-2-ethyl pyridinium picrate crystal	Vinayaka Missions Kirupananda Variyar Arts and Science College
2		Dr. R. Menaka		Electrochemical Investigation and Surface interaction of Thiophene based Chitosan Schiff base on Mild steel surface in 1M HCl	
3	21-Dec-22 to 22-Dec-22	Dr. M. Dinesh Kumar	International Virtual Conference on Future Prospects in Chemical Research	Phytochemical Analysis and Biological of Plectranthus Wighti Benth	Seethalakshmi Ramaswami College, Thiruchy
4	09-Feb-23 to 10-Feb-23	Dr. M. Dinesh Kumar	International Conference on Multidisciplinary Aspects in Chemistry (ICMAC – 2023)	Phytochemical Analysis and Biological of Plectranthus Wighti Benth	Sri Ramakrishna College of Arts and Science, Coimbatore
5		Dr. M. Suganthi		Synthesis of Cu (II) and Co (II) Schiff Base Complexes and Spectral Characterization	
6		Dr. R. Menaka		Synthesis, Swelling and Responsive Properties of Chitosan based composite hydrogels	

7	09-Feb-23 to 10-Feb-23	Dr.S. Shyam Sivappan	International Conference on Multidisciplinary Aspects in Chemistry (ICMAC – 2023)	A Fluorescent Pyrene Based Quinoline Derivative for Detection of Multiple ions	Sri Ramakrishna College of Arts and Science, Coimbatore
8		Mrs. P. Kavitha		Synthesis, Characterization and In Vitro antimicrobial activity of benzimidazolium sulphosalicylate	
9	22-Feb-23 to 23-Feb-23	Dr. R. Menaka	International Conference on Chemistry for Sustainable Development (ICCSA – 2023)	A facile Synthesis Naphthyl - Chitosan based composite hydrogels	Avinasilingam Institute for Higher Education, Coimbatore

8. Students Presentation

S. No.	Date	Name of the student	Name of the Event	Name of the Title	College
1	24-Nov-22 to 25-Nov-22	Ms. Keerthana V	Indo-South Korea – Thailand 2nd International e-Conference on “Nanoscience and Nanotechnology for Energy, Environment and Biomedical Applications” (iNEEBA2022)	Green Synthesis, Characterization and Antioxidant Properties of NiO ₂ NPs using leaf extract of Withania Somnifera	Vinayaka Missions Kirupananda Variyar Arts and Science College, India
2		Ms V. Gowthamy		Synthesis, spectral, structural and biological evaluation of 2-amino-2-ethyl pyridinium picrate crystal	
3	21-Dec-22 to 22-Dec-22	Ms. Kamalee R	International Virtual Conference on Future Prospects in Chemical Research	Phytochemical Analysis and Biological of Plectranthus Wighti Benth	Seethalakshmi Ramaswami College, Thiruchy

9. Staff Publications

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. R. Menaka	Eco-friendly chitosan vanillin Schiff base as anti-corrosive agent for mild steel in 1 M HCl and as scale inhibitor for CaCO ₃	Journal of Adhesion Science and Technology	ISSN: 1568-5616 27-Apr- 2022 DOI: 10.1080/ 01694243.2022.2066401	2.077	SCI

2	Dr. R. Rajkumar Dr. R. Ravikumar Dr. M. Dinesh Kumar Dr. M. Mohanraj	Important roles of Cyclic Di Keto Compounds to one pot synthesis of Nitrogen heterocyclic systems	International Journal of Creative Research thoughts	Jul-22, Volume 10, Issue 7, ISSN No: 2320-2882	-	UGC
3	Dr. M. Mohanraj Dr. R. Ravikumar Dr. Rajkumar	A Review On Therapeutic Application Of Ruthenium Complexes	International Journal of Creative Research thoughts	Nov -22, Volume 10, Issue 11 November 2022, ISSN: 2320-2882	-	UGC
4	Dr. R. Ravikumar Dr. M. Dinesh Kumar, Dr. R. Rajkumar, Dr. M. Mohanraj	A Comparative Study On Metal Ion Reducing Ability, Phytochemical Screening And Biological Activity Of Flower, Stem And Leaf Parts Of <i>Todalia Asiatica</i> (Linn.) Lam	International Journal of Creative Research thoughts	22-Nov, Volume 10, Issue 11 November 2022, ISSN: 2320-2882	-	UGC
5	Dr. M. Mohanraj, Dr. M. Dinesh Kumar, Dr. R. Ravikumar, Dr. Rajkumar	Synthesis, Spectral Characterization and Antioxidant Studies of Ruthenium(II) Hydrazone Complexes	Indian Journal of Advances in chemical Science	2022; 10(4): 167-171, ISSN NO: 2320-0898 (p); 2320-0928 (e)	-	UGC
6	M. Suganthi	Chemical Profile and invitro biological activities of <i>Eupatorium adenophorum</i> Spreng	Rasayan Journal of Chemistry	Dec-22, Vol.15, No-4, 2366-2372, ISSN No: 0974-1496	1.12	Scopus
7	Menaka R Kavitha P	Identification of Food adulterant present in Turmeric, Coriander, Chilli powder using low cost laboratory methods	Journal of Research and Development	Jan-2023, Vol-15, Issue-1, ISSN No:2230-9578	-	UGC
8	Muthuvel Ramanathan Ezhilarasi	Synthesis, Spectral Characterization and insilico docking and ADME prediction and Biological evaluation of novel piperdine 4-one derivatives	Letters in organic chemistry	Jan-23, Volume 20: 2023, ISSN No: 1875-6255	0.79	Scopus

10. Research Funding

S.No	Name of the Faculty	Name of the project / scheme	Sanction No. and Date	Funding body	Amount
1	Dr. S. Shyam Sivappan	Student Project	TNSCST/SPS/BS/2022-2023 Dt 03-Mar-23	TNSCST	₹ 7,500
2	Dr. R. Menaka Mrs. P. Kavitha	Minor Project	02/69/2022-23/RP/MN Dt 10-Mar-23	ICSSR	₹ 3,67,500

11. Student Participation

S. No.	Date	Name of the Students	Event	College	Inter Collegiate / Inter Departmental	Prize
1	10-Aug-22	K.S. Akshaya	Essay Writing -Tamil	Dr. N.G.P. Arts and Science College	Inter Departmental	II
2	09-Sep-22	G. Manikandan	Drawing	Dr. N.G.P. Arts and Science College	Inter Departmental	III
3		S.N. Sangeerthan	Essay Writing -Tamil			II
4	28-Feb-23	B. Kiruthi J.S. Preethi	National Science Day	Dr. N.G.P. Arts and Science College	Inter Departmental	III
5	29-Mar-23	O. Nirthik Ram	Photography	Sri Ramakrishna College of Arts and Science, Coimbatore	Inter Collegiate	I
6		V. Mohan G. Manikandan	Poster Presentation			III
7	06-Apr-23	Dinesh Kumar A S	Sports day	Dr. N.G.P. Arts and Science College	Inter Departmental	I

12. Book / Chapter Publications

S.No	Date	Name of the staff	Name of the Book	Name of the Publisher
1	25-Aug-22	Dr. S. Shyamsivappan	Bio actives and pharmacology of medicinal plants Volume I, Biomolecules and Therapeutics of Spathodea campanulata P. Beauv ISBN/ISSN No: 978-1-77491-028-3	CRC press, Taylor & Francis group
2	25-Aug-22	Dr. S. Shyamsivappan	Bio actives and pharmacology of medicinal plants Volume I, Chemical Characterization and Pharmacology of Magnolia champaca (L.) Baill.	CRC press, Taylor & Francis group

3	17-Oct-22	Dr. S. Shyamsivappan	Anticancer Properties of Palladium Compounds, ISBN/ISSN No: 978-93-5570-457-3	AkiNik Publications
4	19-Dec-22	Dr. R. Menaka, Mrs. P. Kavitha Dr. S. Shyamsivappan	Allied Chemistry: Lab Manual for UG students, ISBN/ISSN NO: 978-81-960554-1-7	Dr. N.G.P. Arts and Science College
5		Mrs. P. Kavitha Dr. R. Menaka	Inorganic Analysis: Lab Manual for UG students, ISBN/ISSN NO: 978-81-960554-9-3	
6		Dr. M. Mohanraj Dr. R. Rajkumar	Volumetric Analysis and Preparations: Lab Manual for UG students, ISBN/ISSN No: 978-81-960554-8-6	
7		Dr. M. Mayilsamy Dr. S. Shyamsivappan	Physical Chemistry: Lab Manual for UG students, ISBN/ISSN NO: 978-81-960554-0-0	
8	04-Jan-23	Dr. M. Dinesh Kumar	Physical Chemistry: Lab Manual for PG students, ISBN/ISSN NO: 978-81-960903-8-8	Dr. N.G.P. Arts and Science College
9		Dr. R. Ravikumar Dr. M. Dinesh Kumar	Organic Chemistry: Lab Manual for PG students, ISBN/ISSN No: 978-81-960903-1-9	