

Name : Dr. S. Gowri

Designation : Professor and Head

Department : Biochemistry

Qualification : M.Sc., M.Phil., Ph.D., PGDBI.

Experience : Teaching: 18 Years 7 months

Area of Specialization(s) : Phytotherapy & phytoremediation, Population health research

Email (Official ID) : drgowri@dmngpasc.ac.in



Academic Qualifications

| Degree | Branch | Institution / University Name | Year of Graduation |
|------------|----------------|-------------------------------|--------------------|
| Ph.D | Biochemistry | Bharathiar University | 2015 |
| PG Diploma | Bioinformatics | Bharathiar University | 2008 |
| M.Phil | Biochemistry | Bharathiar University | 2006 |
| M.Sc., | Biochemistry | Bharathiar University | 2004 |
| B.Sc.. | Chemistry | Bharathiar University | 2002 |

Additional Qualifications

| Diploma / Vocational / Certification | Area of Specialization | Institution / University / Agency Name | Year |
|--------------------------------------|---|---|------|
| Online Certificate | Outcome based pedagogic principles for effective teaching | Indian Institute of Technology Kharagpur ,NPTEL | 2015 |

| | | | |
|--------------------|--|--|---------------------------|
| Online Certificate | HealthResearch Fundamentals | “NIE-ICMR e-certificate course: NIECer 101 offered by National Institute of Epidemiology (ICMR), Chennai and IIT madras. | 2016 |
| Online Certificate | Nutrition, Therapeutics and Health | IIT Kanpur, NPTEL | 2016 |
| Online Certificate | Biomedical Nanotechnology | IIT , Roorkee, NPTEL | 2019 |
| online certificate | Stress management | IIT, Kharagpur | 2020 |
| Research Training | CSIR- Summer researchtraining program SRTP 2020 online | CSIR-NEIST Jorhant | 2020 |
| Refresher course | online Two – Week Refresher Course in LIFE SCIENCES under the aegis of Ministry of education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching | Teaching Learning Centre, Ramanujan College,University of Delhi in collaboration with Department of Chemistry, Miranda House,University of Delhi | 17 March – 01 April, 2023 |

Projects

Completed

| Project Title | Agency | Amount | Duration |
|--|-----------|------------|----------|
| Effect of PLGA-PEG nanoencapsulation of active constituents from <i>Caralluma adscendens roxb</i> on HT-29 colon cancer cell lines | UGC-Minor | 4,30,000/- | 2 years |
| Popularization of Foldscope among farmers of Coimbatore for the onsite detection of pest nematode” | DBT | 8,00,000/- | 1 year |

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|--|---|----------|----------|
| Evaluation of insecticidal activity of selected medicinal plants against Tetranychusurticae (Mites) | DR NGP ASC seed money | 5000/- | 6 months |
| Lectins from raw banana (Musa paradisiaca) its estimation, characterization and antimicrobial antimicrobial activity against multidrug diabetic wound pathogens in vitro (Mr.Rasa) | DR NGP ASC seed money | 5000/- | 6 months |
| Cytogenetic and Molecular analysis of mtrr gene mutation in Parkinson's patients of Tamilnadu population | DR NGP ASC seed money | 5000/- | 6 months |
| Isolation, screening, characterization and immobilization of cellulase from the soil of paper industry | DR NGP ASC seed money | 5000/- | 6 months |
| Two days science academies' virtual lecture workshop on Current trends in chemical biology and drug discovery | Indian Academy of Sciences, Bangalore Indian National Science Academy, New Delhi The National Academy of sciences, India, Allahabad | 23,500/- | 6 months |

Research Guidance

| Programme | No. of Scholars | |
|-----------|-----------------|----------|
| | Completed | Pursuing |
| Ph. D. | 2 | 3 |
| M. Phil. | 6 | - |

Research Publications (Indexed)

International

1.Gowri.S , P.Chinnaswamy, Suganthi.V, Chemopreventive potential of Caralluma adscendens (Roxb.) against 1, dimethyl hydrazine induced colon carcinogenesis, International Research Journal of Pharmacy, Vol.4 .No.4, pp 214-217, March 2013, ISSN:2230-8407.

Gowri S*, Suganthi V, Dr.Gurusamy K . Ethanolic Brassica oleraceae italica extract pretreatment alleviates isoproterenol induced oxidative myocardial necrosis in rats, World journal of pharmaceutical research, Vol 2. No. 3 pp. 587-595. April 2013. ISSN 2277 – 7105, (Indexed in google scholar, EBSCO).

Dhana Rangesh Kumar V, G. Jayanthi, K. Gurusamy and S. Gowri Antioxidant and anticancer activities of ethanolic extract of ficus blomerat (Roxb.) in DMBA induced rats. International journal of pharmaceutical sciences and research. Vol. 4. No. 8,pp 3087-3093, August 2013.ISSN: E-0975-8232:p-ISSN 2320-5148 (Indexed in Web of science)

S. Sasikala, Dr. S. Gowri and M. Thiruselvi, Antimutagenic activity of ethanolic extract of *Caralluma fimbriata*, *World Journal Of Pharmacy And Pharmaceutical Sciences*, Vol.5 No. 2 pp. 582-587 January 2016 ISSN :2278 – 4357 (Indexed in google scholar).

Ravichandran P., Dr. Gowri S. and Sundara Prasath S. Isolation and partial purification of lectin from Seeds of *Cucurbita pepo*, *World Journal of Pharmaceutical Research*, Vol 5, No. 7, pp 592-605, June 2016 ISSN 2277– 7105 (Indexed in google scholar, EBSCO).

Ravichandran P., Dr. Gowri S. and Sundara Prasath S. Biosynthesis of copper nanoparticles using *annona Muricata* leaf extract-characterization and their Antibacterial activity, *World Journal of Pharmaceutical Research*, Vol 5, No. 8, pp 977-987 June 2016, ISSN 2277– 7105 (Indexed in google scholar, EBSCO).

Gowri.S, Arisha Taj M. Effect of PLGA-PEG nanoencapsulation of active constituents from *Caralluma adscendens* oxb. On HT-29 colon cancer cell lines, *International journal of research in ayurvedha and pharmacy*, Vol 7. No. 4 pp 96-101, October 2016, ISSN online 2229-3566 (Indexed in EMBASE, Google scholar)

Sedhuraman, S, P. Santhosh, R. Jithendran, A. Balaji, G. Venkatesh, D. Dileep, Dr. S. Gowri and K. Manjula, Growth and characterization of struvite crystals by *alpinia calcarata* stem extract, *International journal for research in applied science and engineering technology Journal*, vol. 6. No.6. pp 1087-1093 June 2018, ISSN NO: 2321-9653

Indhumathi.R, Mahavidhya. R, Venkatesh G, Vidhya Shree.V, Annie freedra P, Keerthana R, Kaarunya N, Gowri. S and Sedhuraman. S. Screening of Larvicidal Activity of Combined Medicinal Extracts Against Dengue Vector (*Aedes Aegypti*), *Int J Recent Sci Res*. Vol.10 No.5, pp. 32188-32191. May 2019, ISSN: 0976-3031 (Indexed in google scholar)

Arisha Taj Mahaboob Batcha, Ashish Wadhvani and Gowri Subramaniam, In vitro antiviral activity of BanLec against herpes simplex viruses type 1 and 2, *Bangladesh Journal of pharmacology*, vol 15. Pp 11-18, March 2020 ISSN: 1991-0088 (Indexed in Google scholar, SCI, SCOPUS, EMBASE)

Mahaboob Batcha, A.T., Subramaniam, G. & Venkatachalam, K. Purified Banana lectin (BanLec) isolated from the ripen pulp of *Musa Paradisiaca* induces apoptosis in cancer cell lines: in vitro study. *ADV TRADIT MED (ADTM)* (2022). (Springer)

M. Muneeswaran,, S. Gowri, M. Koteeswaran and M. Porkodi, Anticancer Activity of *Cassia auriculata* Against Human Breast Cancer MCF-7: An In-vitro and In-silico Molecular Docking Approach, *Indian Journal of Natural Sciences*, Vol.13 / Issue 75 / December / 2022, 50155-50163

S.Gowri, Formulation and evaluation of Polyherbal Soap: A review article, International journal for research in applied science and engineering technology, Volume 9, October, 2021, ISSN No: 2321-9653

S.Gowri, Antimicrobial Activity of Tagetes (Marigold Flower) Hydroextract Infused Wet Wipes International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; Volume 9, Issue X Oct 2021----7.429

Dr. Dhana Rangesh Kumar V Dr.S.Gowri, Immensely Impacted Epidemic and Pandemic Virus outbreaks in India: A Review Article International Journal of Scientific Development and Research 2455-2631 Feb-2021 Volume 6 Issue 2 253-256 UGC

National

Gowri.S and P.Chinnaswamy, Effect of *Caralluma adscendens* (Roxb.) on lipid peroxidation and antioxidant status in 1,2 Dimethyl hydrazine induced experimental colon carcinogenesis, Journal of Pharmacy Research, Vol. 5 No.11, pp. 5102-5106, September 2012, ISSN: 0974-6943.

Gowri S, Chinnaswamy P. Evaluation of in vitro antimutagenic activity of *Caralluma adscendens* Roxb in bacterial reverse mutation assay. J Nat Prod Plant Resour, Vol. 1. No. 4, pp- 27-34. ,March 2011

Suganthi. V.*, Gowri. S and K. Gurusamy .Hepatoprotective activity of *Cayratia carnosa* on liver damage caused by lead acetate in rat. J. Nat. Prod. Plant Resour., vol 3. No. 2. Pp-76-79 . March 2013. ISSN No: 2231-3184

Neha Mohan. P. V *, Suganthi. V. and Gowri. S. .Evaluation of anti-inflammatory activity in ethanolic extract of *coriandrum sativum* using carrageenan induced paw edema in albino rats. Der Pharma chemica (scholars research library), Vol.5. No.2. pp. 139-143. 2013. ISSN No: 0975-413x

Vadivel Subramaniam, Gowri.S, Antitumour activity and antioxidant role of *Brassica oleracea italica* against ehrlich ascites carcinoma in swiss albino rats, Research journal of pharmaceutical, biological and chemical sciences, Vol.2. No.3, pp.275-285, July 2011 ISSN No.0975-8585(Indexed in EBSCO, EMBASE, Google Scholar)

Other Publications: International / National Journals

Gowri.S Effect of *crataeva adansonii* on lipid peroxidation and antioxidant status in 1, 2 Dimethyl hydrazine induced experimental colon carcinogenesis, International symposium on harnessing microbes for human health and research recuperation-2012 research proceedings March 2012, ISBN no. 978-1-4507-5165-0, 340-351.

Gowri.S Biosynthesis of ZnO nanoparticles using *Hemidesmus indicus* root extract and study of

their antibacterial properties National conference on contemporary issues in social science and science research,2013,ISBN No.978-93-5104-411-6.

Gowri.S Antibacterial activity of copper nanoparticles synthesized from aegle marmelos, Conference proceedings – national con. on biorevolution a promising strategy, 2014, ISBN 978-93-83241-20-0:13-18

Gowri.S Review of role of wearable sensor in agriculture, National conference on AI and IoT for agriculture Innovation and Environment Sustainability,(NCAIAIES-22), Sponsored by DBT-CTEP, New Delhi,ISBN No. 978-81-957709-5-3

Gowri.S Smart sensing techniques in life stock management in agriculture, National conference on AI and IoT for agriculture Innovation and Environment Sustainability,(NCAIAIES-22), Sponsored by DBT-CTEP, New Delhi,ISBN No. 978-81-957709-5-3

Gowri.S An overview of IOT based on pesticide management practices in agriculture, National conference on AI and IoT for agriculture Innovation and Environment Sustainability,(NCAIAIES-22), Sponsored by DBT-CTEP, New Delhi,ISBN No. 978-81-957709-5-3

Gowri.S Review of role of biosensor in agriculture, National conference on AI and IoT for agriculture Innovation and Environment Sustainability,(NCAIAIES-22), Sponsored by DBT-CTEP, New Delhi,ISBN No. 978-81-957709-5-3

Gowri.S Review on monitoring the health parameters of cattle using IOT sensors, National conference on AI and IoT for agriculture Innovation and Environment Sustainability,(NCAIAIES-22), Sponsored by DBT-CTEP, New Delhi,ISBN No. 978-81-957709-5-3

Gowri.S A review on weather monitoring system using IOT in Agriculture, National conference on AI and IoT for agriculture Innovation and Environment Sustainability,(NCAIAIES-22), Sponsored by DBT-CTEP, New Delhi,ISBN No. 978-81-957709-5-3

Gowri S , ,HAP nanoparticles,proceedings of the Futuristic approaches in the transformation of Bioscience research , ISBN-978-81-943063-7-6

Gowri S , Formulation and Evaluation of Instant Soup Mix Powder using Herbal Leaves, proceedings of the Futuristic approaches in the transformation of Bioscience research , ISBN-978-81-943063-7-6

Gowri.S , Larvicidal activity of Crude lectin from the seeds of Adentherapavonona against culexquinquefasciatus, Proceedings of the National conference on Interdisciplinary approaches on Dynamics of Bioscience research , ISBN No. 978-81-962322-7-6

Antifungal activity of crude lectin from the seeds of Adentherapavonona , Proceedings of the National conference on Interdisciplinary approaches on Dynamics of Bioscience research , ISBN No. 978-81-962322-7-6

Antibacterial activity of crude lectin isolated from the seeds of Adentherapavonona, Proceedings of the National conference on Interdisciplinary approaches on Dynamics of Bioscience research , ISBN No. 978-81-962322-7-6

Larvicidal activity of Crude lectin from the seeds of Adentherapavonona against Aedes Aegypti, Proceedings of the National conference on Interdisciplinary approaches on Dynamics of Bioscience research , ISBN No. 978-81-962322-7-6

Presentations in Conference

- **Grape juice clarification using amylase and pectinase**, International conference on biotechnology Innovations and Challenges in Agri., Food, Biofuel and Healthcare, Karunya University, 11- Dec-08 to 12- Dec-08.
- **Antitumour activity of Brassica oleraceae italica against Ehrlich ascites carcinoma in swiss albino mice, National cancer congress: Genetics, diagnosis and Therapy**, Department of Biochemistry and Clinical Lab technology, 20-Aug-09 to 21-Aug-09.
- **Characterization of beta glucosidase from vanilla beans**, National conference on advance trends in Biotechnology , Dr.N.G.P Arts and Science College, 18- Dec-09 to 19- Dec-09
- **Comparative analysis of Biochemical composition and antioxidant activities**, International seminar on emerging trends in life sciences, Navarasam arts and science college for women, 18- Aug-11
- National conference on phytomedicine, Bharathiar University, 04- Oct- 12 to 05- Oct- 12
- **Biosynthesis of Zinc oxide nanoparticles and study of their antibacterial properties**, National conferences on contemporary issues social science and science research , S.N.R. Sons College, 28- Jan-13.
- **larvicidal activity of biosynthesized silver nanoparticles using mimosa pudica leaf extract against anopheles larvae vector**. National conferences on green technologies for conservation of Biodiversity, Sri Ranganathar Institute of Engineering and technology, 16- Feb-13

- **Immobilization and antibacterial activity of silver nanoparticles**, National conference on Innovative approaches in Biosciences ,Sri Narayana Guru College,15- Feb-13
- **Effect of musa paradisiaca on diabetes**, National conference on Recent trends in Medicinal plants and their their products Dr.N.G.P Arts and Science College, 18- Sep-13
- **Antibacterial activity of copper nanoparticles synthesized form aegle memosa**, National conference on Biorevolution- A promising Strategy, Sri Krishna arts and Science College, 05- Feb-14
- **Production and purification of bioenzymes from Bacillus subtilis**,National conference on production and applications of Microbial metabolite, Kumaraguru college of technology, 29- Oct-14
- **Invitro anticancer and radical scavenging activities of medicinal plants**, National conference on Biorevolution- A promising Strategy,Sri Krishna arts and Science College, 11.02.15.
- **Synthesis and characterization of Zinc oxide nanoparticles**. International conference on recent advances in Bionanoscience and technology, Hindustan college of Arts and Science and institute of Technology, 25- Feb-15 to 26- Feb-15
- **Synthesis and Characterization of copper nanoparticles using vigna mungo seed extract and evaluation of antibacterial activity**, National seminar on Emerging trends in biological Innovations, Bharathidasan college of Arts and Science, 22.- Jan-16 to 23- Jan-16
- **Biosynthesis of zinc oxide nanoparticles** , National conference on innovative approaches in Bioscience, Department of Microbiology, Sree Narayana Guru College, 26- Jan-16.
- **Antibacterial and cytotoxic activities of Biosynthesized ZNO nanoparticles**, International conference on scenario in biological innovations, Bharathidasan college of arts and science , 27-Sep-16 to 28-Sep-16
- **Antiviral activity of banlec isolated from Musa paradisiac against herpes simplex viruses type 1 and type 2 an invitro study-** International conference on contriving therapeutic drugs from medicinal plants, Department of Biochemistry, Sree Narayana Guru college,12- Feb-20

Participation in Conference

International

- Louis Pasteur memorial international symposium on harnessing microbes for human health and resource recuperation, Dr.N.G.P Arts and Science College,07- Aug- 12 to 08- Aug- 12
- International conference on Indian Rural public health and non-communicable disease, KMCH Research foundation, 06-Apr-19

National

- National symposium on Drug discovery- A novel Approach, Karpagam Arts and Science college, 01- Sep-03
- Louis Pasteur memorial symposium on communicable diseases and its control measures, Dr.N.G.P Arts and Science College, 04- Aug-10 to 05-Aug-10
- National conference of Issues in Higher Education ,Univesity grants Commission- Academic staff college 29-Oct-10
- Louis Pasteur memorial symposium on Biopharmaceuticals- their application in disease prevention and health promotion, Dr.N.G.P Arts and Science College, 04-Aug-11to 05-Aug-11
- NAAC sponsored Two day state level conference on Achieving academic excellence through IQAC, Dr.N.G.P Arts and Science College,09- Dec-11 to 10- Dec-11.
- National level conference on Emerging trends in Herbal research and cancer therapy, KMCH college of Pharmacy, 02- Jun- 12
- Louis Pasteur memorial symposium on perception of Microbes in Human health and Environment, Dr.N.G.P Arts and Science College, 22- Aug-13
- A national conference on Biotechnology- Present and Future, Dr.N.G.P Arts and Science College, 26- Sep- 13 to 27- Sep- 13.
- Louis Pasteur memorial symposium on Momentous microbes from menance to marvel, Dr.N.G.P Arts and Science College, 20- Aug-14
- National conference on emerging Education models for 21st century learner , Association of principles of colleges of bharathiar University, with UGC Human resource development centre, bharathiar University, 01- Aug-15.
- DBT and CMR sponsored national conference on Transitional and Translational scenario in biological sciences, DR.N.G.P Ars and Science College, 09- Sep-16 to 10- Sep-16
- One day national conference on natural therapeutics, Kongunadu Arts and Science college 20- Sep-16

Participation in Seminars

- State level meet in Biochemistry, Mohamed sathak college of Arts and Science, 30- Jan-04 to 31-Jan-04
- Seminar and exhibition on renewable energy- Energy for the future, Institute of Road and Transport technology, 24- Aug-05
- National seminar on molecular basis of human diseases: Diagnosis and treatment Dr.N.G.P Arts and Science College, 27- Feb-07 to 28- Feb-07
- State level science meet ,Ramakrishna college of Arts and Science for women,21-Feb-07

- One day seminar on Bioscience –A sustainable virtue, Dr.N.G.P Arts and Science College,21- Feb-09
- State level seminar cum exhibition on herbal resources and remedies, NGM college, 03-Sep-09
- Bioenterpreneurship summit-2010, Dr.N.G.P Arts and Science College, 18-Mar-10
- National level Seminar on promotion and sharing of best practices in Quality Assurance Thassim Beevi Abdul kader college for Women, 30 Mar-12 to 31- Mar- 12
- International seminar on Nutraceuticals and its applications, Department of biochemistry, Indian science congress association, Kongunadu Arts and Science College, 06-Mar-18.
- webinar on “Human Origin, Health and Diseases” organized by Centre for Advanced Studies in Botany, University of Madras, Guindy Campus, Chennai on 23- May -2020.

Participation in Workshop

- Training in pathology, Biochemistry , microbiology, Blood bank and Genetics,Kovai medical centre and Hospital, 05- Dec-02 to 07- Dec-02
- Clinical pathology, Hematology and Biochemistry, Immuno ancillary clinical services06-May-03 to 14- Jun-03
- One week national seminar cum workshop on Animal cell culture and its applications School of Biotechnology, Dr.G.R.Damodaran college of Science, Coimbatore, 21- Jul-03 to 29- Jul-03
- Workshop on research methodology, PSG Institute of medical sciences and research, 11-Mar-05 to 12- Mar- 15
- Workshop on molecular and Immunological techniques, Bharathidasan college of Arts and Science, 25- Sep-06 to 25- Sep-06
- One day hands on workshop on SPSS, Dr.N.G.P Arts and science College, 13- Mar-10.
- Two days workshop on molecular techniques, Dr.N.G.P Arts and Science College, 07-Feb-11 to 08- Feb-11.
- Hands on training in chemo profiling of herbal drugs using HPLC and HPTLC, KMCH college of Pharmacy, 24- Aug-12
- National level workshop on Bioinstrumentation and plant tissue culture techniques, S.N.R Sons college, Coimbatore,27- Feb-14
- Hands on training in analytical instrumentation, KMCH college of Pharmacy,14-Dec-15 to 18- Dec-15
- Three days national workshop of hands on training on cell culture techniques, cell proliferation assays and gene expression analysis by RT-PCR, JSS college of Pharmacy,14-Jul-16 to 16- Jul-16
- One day workshop on Analysis of spectral data , Centre for research, Dr.N.G.P Arts and

Science College, 30-Jan-17

- Two days workshop on Biofertilizer and vermicomposting for sustainable agriculture, Bharathidasan college of Arts and Science (TNSCST & NCSTC), 13- Jul-17- 14- Jul-17.
- Science academies lecture workshop on insights in life sciences organized by dept of biochemistry, Bharathiar university , 22- Jan- 18 to 24- Jan-18
- DBT Foldscope Orientation Workshop, DBT, Ministry of Science and Technology, Govt. of India, ICGEB, New Delhi, 17-April-18.
- Two days workshop on computational methods in drug delivery, JSS college of Pharmacy, 28- Sep-18 to 28- Sep-18
- International workshop on health risk assessment of nanopartilces Sponsored by DST-DAAD Project based personal exchange programme (ppp), Dr.N.G.P Arts and Science College, 05- Dec-18 to 07- Dec-18
- Rural immersion – Community Engagement, Mahatma Gandhi national Council for Rural Education and Dr. N.G.P. Arts and Science College, Coimbatore, 21-Sep-19.
- Two days state level technical Workshop on “ Intellectual property Rights”, TNSCST and IPR Cell and IQAC , PSG college of Arts and Science ,28-Jan-20 to 29- Jan-20

One Day Workshop on Outcome Based Education (OBE) organised by Dr. N.G.P Arts and Science College, Coimbatore in association with ipsr solutions limited on 04 March 2023.

Participation in Faculty Development Programme

- 10 days FIP online short term course on Biostatistics and R programming organized 0by Department of Biochemistry and Mathematics, Rathinavel Subramaniam college of Arts and Science from 09-Aug-21 to 19-Aug-21.
- Professional Development Programme on Implementation of NEP 2020 for University and College Teachers’ held from 21- 29 September, 2022, Indira Gandhi National Open University, Staff Training and Research Institute of Distance Education New Delhi 110068.
- 3 days faculty developemnt program on Emotional Intelligene organised by ICT academy from 15th December 2022 to 17th December 2022
- Five day National level Faculty Development programme on “Advancing towards sustainable teaching and learning Pedagogy” organized by DBT Star college scheme, Kongu Arts and Science college from 02-Aug-21 to 06-Aug-21.

- Online FDP on Research methodology and pedagogy for tertiary education organized by IQAC and Faculty development programme, Dr.N.G.P Arts and science college from 15-June -21 to 21-June-21
- Faculty development programme on Active learning and advanced scientific computing method organized by Department of Physics, Loyola college from 15- June-20 to 19-June -20
- IIC online sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi from 28- April-20 to 22-May-20
- One week FDP programme on “Quality initiatives in Higher Education”, organized by Consortium of Colleges (Dr. N.G.P. Arts and Science College, Coimbatore, Sri Ramakrishna College of Arts and Science, Coimbatore, Gobi Arts & Science College, Gobichettipalayam, Vellalar College for Women, Erode) through Online (Google Meet) from April 13- Apr- 20 to 20-Apr-20
- NAAC Revised accreditation frame work and OBE Assessment Methodology, Faculty Development cell and IQAC, Dr.N.G.P Arts and Science college, 27-May-19 to 02-Jun-2019
- Faculty development programme on Quality measures in higher education, DR.N.G.P Arts and Science college, 03- Dec-18
- AICTE approved Online FDP201X Pedagogy for Online and Blended Teaching-Learning Process, IIT, Bombay 14-Sep-17 to 12-Oct-17.
- AICTE approved Online FDP201X Foundation Program in ICT for Education, IIT, Bombay 3-Aug-17 to 7-Sep-17.
- FDP on teacher surpasses reinventing classroom dynamics towards enhancing learner autonomy, DR.N.G.P Institute of Technology, 22- July-11
- One day programme on effective teaching and learning techniques, KPR school of Business 14-May-10
- Faculty development programme, Dr.N.G.P Arts and Science college, 06- Feb-09
- Faculty development programme, Dr.N.G.P Arts and Science college, 09- Jan-09
- Faculty development programme, Dr.N.G.P Arts and Science college, 05- Dec-08

Conference / Seminar / Workshop Organized

- Committee member, International seminar on inculcating Innoavtions, Department of Biochemistry, Dr.N.G.Arts and Science college, 06- Mar-09
- Committee member, National level seminar on modern scenario in naomedicine,, Department of Biochemistry and clinical Lab technology, 22-Sep-11.
- Committee member, DST sponsored Inspire Internship science Camp, Dr. N.G.P. Arts and Science College, Coimbatore, 18-Nov-13 to 22-Nov-13.

- Committee member, DST sponsored Inspire Internship science Camp, Dr. N.G.P. Arts and Science College, Coimbatore, 21-July-14 to 25-Jul-14.
- Committee member, Science academies lecture workshop on Emerging trends in biological sciences, department of Biochemistry, Dr.N.G.P Arts and Science college, 07-Oct-14 to 09-Oct- 14.
- Committee member ,National conference on role of biopharmaceuticals in achieving health by 2020, Dr.N.G.P Arts and Science College,10- Jul-15 to 11- Jul-15
- Committee member, DST sponsored Inspire Internship science Camp, Dr. N.G.P. Arts and Science College, Coimbatore, 24-Aug-15 to 28-Aug-15.
- Committee member, Science Academies Lecture Workshop on Trends in Modern Biology, Dr. N.G.P. Arts and Science College, Coimbatore, 16-Sep-16 to 17-Sep-16.
- Committee member, DBT sponsored National Conference on Changing disease profile: challenges facing basic and translational research in India, Dr. N.G.P. Arts and Science College, Coimbatore, 5-Oct-16 to 6-Oct-16.
- Committee member, DST sponsored Inspire Internship science Camp, Dr. N.G.P. Arts and Science College, Coimbatore, 26-Dec-16 to 30-Dec-16.
- Committee member, Science Academies Lecture Workshop on DNA Technology in Revisiting Biology, Dr. N.G.P. Arts and Science College, Coimbatore, 27-Jul-17 to 29-Jul-17.
- Committee member, Science Academies Lecture Workshop on Mathematical Biology, Dr. N.G.P. Arts and Science College, Coimbatore, 7-Dec-17 to 8-Dec-17.
- Committee member, DST sponsored Inspire Internship science Camp, Dr. N.G.P. Arts and Science College, Coimbatore, 26-Dec-17 to 30-Dec-17.
- Committee member, Science Academies Lecture Workshop on Recent advances in Biochemistry, Dr. N.G.P. Arts and Science College, Coimbatore, 10-Aug-18 to 11-Aug-18.
- Convenor, National workshop on Intellectual property rights(WIPR-19), IPR cell and DBT Satr college departments, Dr.N.G.P Arts and Science college, 15- Feb-19 to 16-Feb-19.
- Committee member, DBT-STAR College Scheme sponsored National symposium on Graduate research-2019 (NSGR-2019), Dr. N.G.P. Arts and Science College, Coimbatore on 23-Feb-19 to 24-Feb-19.
- Convenor, Summer Internship Program (SIP-2019), Department of Biochemistry, Dr. N.G.P. Arts and Science College, Coimbatore on 23-May-19 to 28-May-19.
- Organizing secretary , International Conference on Prospects of Nutraceuticals and Natural Medicine, Dr. N.G.P. Arts and Science College, Coimbatore on 25-Feb-19.
- Convenor, National Science Day Celebrations – 2019, Government Primary Schools, 28-Feb-19.
- Convenor, workshop on Foldscopy, organized under DBT- Foldscope scheme, Dr.N.G.P Arts and Science college, 09-Jul-19 to 12-Jul-19.
- Convener, National symposium on Graduate Research , DBT star college Scheme, Department of
- ,Biotechnology, Microbiology and Food Science And Nutrition , Dr.N.G.P Arts and Science college, 21- Feb-20 to 22-Feb-20.
- Convenor, National Science Day Celebrations – 2020, Government Primary Schools, 28-Feb-20.
- Convenor, National Conference on Futuristic Approaches in Transformation of Bioscience Research

(FATBR-2020), Dr. N.G.P. Arts and Science College, Coimbatore on 06-Mar-20 to 07-Mar-20.

- Organising secretary - DBT-STAR College Scheme sponsored National symposium on Graduate Research-2020 (NSGR-2020), Dr. N.G.P. Arts and Science College, Coimbatore on 21-Feb-20 to 22-Feb-20.
- Convenor-National Conference on Interdisciplinary Approaches on Dynamics of Bioscience Research (IADBR - 2023), Dr. N.G.P. Arts and Science College, Coimbatore on 28-Mar-23
- Faculty Coordinator Manav Scientific Reading and Comprehension Self Assessment Module (for students), Manav, IISER, Pune
- Coordinator, Covid-19 Redressal cell, Dr.N.G.P. Arts and Science College, Coimbatore.

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Invited Speaker / Session Chair- Conference / Seminar / Workshop

Acted as an Judge for oral presentation in the XIV Louis Pasteur International Symposium on Role of multidisciplinary Research in Microbiology for sustainable development on 09 &10-Mar-2023 organised by the department of Microbiology.

Invited talk on nanofertilizer organised by Department of Biochemistry , Navarasam Arts and Science College, Erode on 24-Dec-2021

Invited talk on “Natural Immunity boosters” organized by Department of Biochemistry, Nehru Arts and Science College, Coimbatore on 14-May-20

Chair Person, Scifitech, Dr.N.G.P Arts and Science college, 06-Oct-15

Session chair, National workshop on data analytics and its applications in Biotechnology, Department of computer technology and Biotechnology, 14-Feb-19 to 15-Feb-19

Member in BoS

Board of studies (UG) - Biochemistry member, Bharathiar University, 2013-16.

Board of studies -Biochemistry, Vellalar College for women, 2018.

Doctoral committee member , PSG CAS 2021.

Editorial / Review Board Member

Review board member, International Journal of Chemical And Analytical Science – An Elsevier Journal

Membership in Professional Bodies

| Name of the Professional Body | Nature of membership | Duration |
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| Indian Science congress | Annual member | |
| Indian Association of Applied Microbiologists | Life Member | |