

RESUME - Dr.G.PRASANNA

- Name** : G.PRASANNA
- Address (residential)** : 4/147-12, Bharathidasan Nagar, Asesham, Mannargudi.Tiruvarur Dt-614 016.
Mail Id: gprasannakeerthi@gmail.com
Mobile: 9486590213, 6379440115
- Designation** : Associate Professor
- Department** : Biochemistry
- Age & Date of Birth** : 47 / 24/07/1976
- Area of Specialization** : Biochemical Pharmacology
- Educational Qualifications :**



Exam Passed	Board/University	Subjects	Year	Division/Grade Merit etc
High school	K.S.O.HS, Manganallur.	Tamil, English, Mathematics, Science, Social science	1991	71
Higher Secondary	ST.Paul's. G.HSS, Mayiladuthurai	Tamil, English, Physics, Chemistry, Botany and Zoology	1993	76
Bachelor's Degree	D.G. Govt. Arts College for Women, Mayiladuthurai.	Biochemistry	1997	61
Master's Degree	Ponnaiyah Ramajayam College, Thanjavur.	Biochemistry	2000	70
M.phil	CDE, Bharathidasan University, Trichy.	Biotechnology	2004	75
SET	Mother Theresa Women's University, Kodaikanal	Life Sciences	2016	-
Ph.D	Bharathidasan	Biochemistry	2018	Commended
PCP	CSC Computer Centre, Nagapattinam.	-	2007	Completed
DCA	CSC Computer Centre, Mayiladuthurai	-	2007	Completed

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8. Total Teaching Experience

S.No	Name of the Institution	From	To	YY/MM/DD
1	E.G.S.Pillay Arts and Science College, Nagapattinam	09.02.2004	20.04.2007	03/02/11
2	S.T.E.T.Women's College, Mannargudi	18.06.2008	Till date	15/04/12

9. Total Teaching Experience as on 30.10.2023:

S.No	Institution	From	To	Subjects Taught	YY/MM/DD
1.	S.T.E.T. Women's College	18.06.2008	Till date	<p>For UG</p> <ol style="list-style-type: none"> 1.Biomolecules 2.Biochemical Techniques 3.Human Physiology 4.Enzymes 5.Medical Botany 6.Allied Biochemistry 7.Principles of Nutrition 8.Nutrition for the family 9.Pharmaceutical Biochemistry 10.Clinical Biochemistry 11.Endocrinology 12.Medical Botany 13. Ethno medicine 14.Herbs and Drug Action 15. Value Education 16.Soft Skills Development 17.Gender Studies <p>For PG</p> <ol style="list-style-type: none"> 1.Enzymes and Enzyme Technology 2.Cell biology & Physiology 3.Metabolism and Regulation 4.Clinical Biochemistry 5.Endocrinology 6.Biotechnology 7.Genetic Engineering 8.Basics of Biochemistry <p>Certificate Course</p> <p>Herbal Technology</p> <p>Value Added Course</p> <ol style="list-style-type: none"> 1.First aid Management 2.Herbal Product Development 3.Know your medicine 4.Biochemistry in daily life 5.Biochemical Changes in lifestyle disorder 	15/04/12

10. Orientations/Refresher Courses attended:

Orientation Course attended: (Total = 02)

1. Orientation Course on “ICT enabled teaching methodology” organized by A.V.C College (Autonomous), Mayialaduthurai on 19.4.2011 – 23.04.2011.
2. Orientation Course on Soft Skill Development ” organized by A.V.C College (Autonomous), Mayialaduthurai on 17.04.2013 – 20.4.2013

11. Conferences: (Total-18)

Presented -16

1. Participated and presented a paper “Hepatoprotective effect of *Punica granatum* L. against ethanol induced albino rats” in national Conference on “Biotechnology its Advent and future promises” at Bishop Heper College, Trichy. on 6th Jan, 2011.
2. Participated and presented a paper on “Fourier – Transform Infrared Spectroscopy analysis of rhizome extract of *Drynaria quercifolia* L” in "Phytochemicals in Medicinal Plants and Food” national conference organized by Department of Biochemistry, Bharathidasan University Constituent College for Women, Orathanadu on 30 and 31st July 2015.
3. Participated and presented a paper on “Hepatoprotective potential of *Drynaria quercifolia* rhizome extract on cadmium chloride induced toxicity in rats” in International conference on Clinical Research (ICCR-2016) organized by Shrimati Indira Gandhi College, Tiruchirappalli –on 25th Janurary 2016.
4. Participated and presented a paper on “Hepatoprotective activity of *Drynaria quercifolia* rhizome extract on cadmium chloride induced toxicity in rats” in International conference on “Phytocongress 2016” organized by SASTRA University, Thanjavur on 21 and 22nd July 2016.
5. Participated and presented a paper “Phytochemical screening and in vitro antioxidant activity of *Alpinia galangal* L.” in national conference on Phytochemical in Medicinal Plants and Food organized by Department of Biochemistry, Bharathidasan University Constituent College for Women on 1st February 2018.
6. Participated and presented In Vitro Cytotoxic Activity of the Rhizome extract of *Drynaria quercifolia* (L.) J. Smith. Against Human Liver Cancer cell Line in one day international conference on New Vistas in life sciences organized by PG department of Biochemistry, Holy Cross College, Tiruchirappalli on 11th September 2018.
7. Participated and presented a paper “Protective Effect Of *Drynaria quercifolia* (L.) J. Smith. Rhizome on the Expression of Caspase-3 in Cadmium Chloride Induced Toxicity In Rats“ in international conference on Cancer inferno and its strategies (ICCIPS-2019) organized by

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8. PG department of Biochemistry, Periyar EVR college (Auto), Tiruchirappalli on 22nd February 2019.
9. Participated and presented a paper “Antioxidant Potential And Molecular Docking Studies On *Myristica fragrans* Against Human Colorectal Cancer” in National Conference on Recent Trends in Chemical Biology and Therapeutics (ETIC-2019) Idhaya College for Women, Sarugani on 9th August 2019.
10. Participated and presented a paper “Evaluation Of *In Vitro* Cytotoxic Potential Of *Sinapis alba* L. On HepG2 Cell Lines” in International Conference on Emerging Trends and Innovations in Chemistry (ETIC-2019) organized by Department of Chemistry, S.T.E.T Women’s College, Mannargudi 20th August 2019.
11. Participated and presented a paper “Evaluation of Biochemical Changes In Patients With Type II Diabetes Mellitus” in International Conference on Novel Approaches in Cancer Research and Therapy organized by Department of Biochemistry, S.T.E.T Women’s College, Mannargudi 26th September 2019.
12. Participated and presented a paper “Plants as natural antioxidants – a review” in national Conference on Next Generation Nutrition organized by Department of Nutrition and Dietetics, S.T.E.T Women’s College, Mannargudi on 27th September 2019.
13. Participated and presented a paper “Phytomedicine – an overview” in International Conference on Natural Therapeutics (ICNT – 2020) Department of Biochemistry, Dharmapuram Gnanmbigai Govt. Arts College (W), Mayiladuthurai on 7th February 2020.
14. Participated and presented a paper on Nutritional assessment and in vitro antioxidant activity of fresh, frozen and dried seeds of *Pisum sativum* L. in the International Conference on Phytotherapeutics (ICPT-2023) organized by PG and Research Department of Biochemistry, S.T.E.T Women’s College, Mannargudi on 10.02.2023.
15. Participated and presented a paper on Evaluation of in vitro anti inflammatory activity of the tuber extract of *Amorphophallus paeoniifolius* (Dennst.) Nicolson in the International Conference on “Converging Research Approaches in Life Sciences for Future Advancement (CRALSFA-2023) organized by PG and Research Department of Microbiology, S.T.E.T Women’s College, Mannargudi on 15.02.2023.
16. Participated and presented a paper on Phytochemical screening and in vitro anticancer activity of bark extract of *Ziziphus mauritiana* Lam. on HEPG2 cell lines n the National

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Conference on “Recent advances in Chemistry”(NCRAC-2023) organized by Department of Chemistry, S.T.E.T Women’s College, Mannargudi on 07.03.2023.

17. Participated and presented a paper on Nutritional assessment of the seed extract of *Cucurbita pepo* L. in the National Conference on Recent Advances in Value Addition and Food Processing (NCFP-2023) organized by Department of Nutrition and Dietetics, S.T.E.T Women’s College, Mannargudi on 23.03.2023.

Attended only -02

1. Participated in national Conference on “Natural resources and human health” at Enathi Rajappa Arts and Science College, Thanjavur. on 29 and 30th Oct, 2012.
2. Participated in national Conference on “Recent advances in Herbal drug research and sustainable health care” at Periyar Mniammai University, Thanjavur on 8th to 9th, Mar, 2013

12. Seminars : (Total = 20)

Presented - 11

1. Participated and presented a paper “Antioxidant and antimicrobial activities of *Origanum majorum* Linn.” in national Seminar on “Biotechnological and Nanotechnological approaches in food processing” at S.T.E.T. Women’s College, Mannargudi on 21th Jan, 2012.
2. Participated and presented a paper “Screening of phytochemicals of *Drynaria quercifolia* rhizome” in a national seminar on “Herbal Focus – 2014 Medicinal Plant Research – Prospects & Challenges.” at Srimad Andavan Arts and Science College, Trichy, on 13th & 14th Feb, 2014.
3. Participated and presented a paper on “Analgesic activity of rhizome extract of *Drynaria quercifolia* L. in albino rats” in International Seminar on New Frontiers and Challenges in Environmental Sciences (Bioenviron-16) organized by Marudupandiyar College, Thanjavur on Feb 11th & 12th 2016.
4. Participated and presented a paper on HPTLC finger print profile of the rhizome of *Drynaria quercifolia*” in the one day International Seminar on Microbes, Microbial Processes and Products (MMPP-17). Organized by Department of Microbiology. S.T.E.T.Women’s College, Mannargudi on 12.09.17
5. Participated and presented a paper on “Effect of rhizome extract of *Drynaria quercifolia* on cadmium chloride induced hepatotoxic rats” in the one day National Seminar on Herbal drug development. Organised by Department of Biochemistry. S.T.E.T.Women’s College, Mannargudi on 22.09.17.

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6. Participated and presented a paper “Phytochemicals as Hepatoprotectant- An overview” in national seminar on “Modern trends in Chemistry” organized by Department of Chemistry, S.T.E.T. Women’s College, Mannargudi on 20th December 2017.
7. Participated and presented a paper “Effect of *Drynaria quercifolia* (L.) J. Smith rhizome on cadmium chloride induced hepatotoxic rats” in Current perspectives and challenges in biological sciences organized by Department of Biochemistry, Rajah Sefoji Govt . College, Thanjavur on 6th march 2018.
8. Participated and presented a paper “Phytochemical screening and *In vitro* antimicrobial activity of the seeds of *Lipidium sativum*” in International Seminar Microbial Interventions for the Welfare of Human Beings (MIWHB 2019) organized by Department of Microbiology, S.T.E.T. Women’s College, Mannargudi on 9th August 2019.
9. Participated and presented a paper “Phytochemicals as anticancer agents - a review” in National Seminar on Novel Approaches and Future aspects for Cancer Therapy (ONCO-2020) organized by Department of Biochemistry, Maruthupandiyar College, Thanjavur on 7th February 2020.
10. Participated and presented a paper *In vitro* evaluation of antimicrobial activity of *Syzygium aromaticum* in National Seminar 2021 on Entrepreneurial Spectrum of Microbial Technology – Agriculture, Industry and Medicine sponsored by Tamil Nadu State Council for Higher Education organized by PG and Research Department of Microbiology, M.R. Government Arts College, Mannargudi on 5th March 2021.
11. Participated and presented paper “Evaluation of *in vitro* anti inflammatory activity of the tuber extract of *Amorphophilus paenifolius* (denest) Nicolson”. in International seminar on “Recent advances in Translational Medicine” at Maruthupandiyar College, Vallam, Thanjavur on 26th November 2021.

Attended only - 09

1. Participated in a seminar on “Research Avenues in Biosciences.” at Marudupandiyar Institutions, Thanjavur, on 29th Jan, 2013.
2. Participated in National Seminar on “ Clinical Research (NSCR-15)” organized by the Department of Biochemistry, St.Joseph’s College (A), Thiruchirapalli on 21st January 2015.
3. Participated in State level seminar on “Recent Advances in Biochemistry” organized by the Department of Biochemistry, Rabiammal Ahmad Mohaideen College for women held on 22nd Janurary 2015.
4. Participated in the state level one day seminar on “Emerging Trends in Biosciences and Future Prospects organized by School of Biosciences, Marudhupandiyar College, Thanjavur on 26th February 2015.

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5. Participated in the International Seminar on Frontiers in Biological Sciences (ISFBS'16) organized by St.Joseph's College (A), Trichy on 16th December 2016.
6. Participated in the One Day International Seminar on Chemical Biology organized by PRIST University, Vallam Thanjavur on 29th December 2016.
7. Participated in national symposium on Medical and Aromatic plants (NASYMP'17) organized by Department of Biochemistry, St. Joseph's College, Tiruchirappalli on 15th February 2017.
8. Participated in national seminar on "Biological and Medical applications of foldscope and Mycorrhizal commercial productions" organized by PG and Research Department of Microbiology, M.R.Govt. Arts College, Mannargudi on 31st January 2019.
9. Participated in national seminar on Global Challenges and Intercollegiate Competition of life sciences organized by Department of Biochemistry, Marudupandiyar College, Thanjavur on 15th February 2019.

13. Workshop attended: (Total = 08)

1. Participated in workshop on "Clinical Instrumentation" organized by Department of Biochemistry, S.T.E.T Women's College, Mannargudi on 31st August 2012.
2. Participated in the one day workshop on "Molecular Techniques" organized by PG and Research Department of Microbiology in collaboration with Bharthidasan University, Tiruchirappalli on 10th January 2015.
3. Participated in the one day International Workshop on Biochemical & Bioinformatics Techniques. Organized by Shrimathi Indira Gandhi College, Trichy on 5th September 2017.
4. Participated in the Science Academies Lecture Workshop on "Current Scenario in Life Sciences" organized by Department of Life Science, S.T.E.T Women's College, Mannargudi on 11th & 12th October 2017.
5. Participated in International Lecture Workshop on "Research Methodology" organized by Department of Economics and Business Administration, S.T.E.T Women's College (Autonomous), Mannargudi on 4th January 2019.
6. Participated in Workshop on assessment of outcome based education organized by IQAC, S.T.E.T Women's College (Autonomous), Mannargudi on 4th June 2022.

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7. Participated in Three days Workshop on Statistical Applications organized by IQAC and R & D Cell, S.T.E.T Women's College (Autonomous), Mannargudi from 7th to 9th July 2022.
8. Participated in seven days workshop on Designing of Question Paper for Course Outcome Measurement and Question Bank Preparation Using Revised Bloom's Taxonomy organized by IQAC and Office of the Controller of Examinations, S.T.E.T. Women's College (Autonomous), Sundarakkottai, Mannargudi on 08.07.2023, 09.07.2023, 15.07.2023, 16.07.2023, 22.07.2023, 23.07.2023 & 12.08.2023.

14. Faculty Development Programme attended - (Total = 19)

1. Participated in the Faculty Development Programme on "Guidance & Counselling" on 24th & 25th July 2010 organized by S.T.E.T Women's College, Mannargudi.
2. Participated in the Faculty Development Programme on "Tips for Effective Teaching & Teaching Value" on 4th June 2011 organized by S.T.E.T Women's College, Mannargudi.
3. Participated in the Faculty Development Programme on "SET, NET Coaching class" on 30th July 2011 organized by S.T.E.T Women's College, Mannargudi.
4. Participated in the Faculty Development Programme on "Innovative Methods in Teaching & Learning Process" on 18th December 2012 organized by S.T.E.T Women's College, Mannargudi.
5. Participated in the Faculty Development Programme on "SET, NET Coaching class" on 26th May 2014 organized by S.T.E.T Women's College, Mannargudi.
6. Participated in the Faculty Development Programme on "SET, NET Coaching class" on 5th June 2014 organized by S.T.E.T Women's College, Mannargudi.
7. Participated in the Faculty Development Programme on "How to use NPTEL Resources" on 14th July 2014 organized by S.T.E.T Women's College, Mannargudi.
8. Participated in the Faculty Development Programme on "Research Proposal & Funding Agencies" on 15th November 2014 organized by S.T.E.T Women's College, Mannargudi.
9. Participated in the Faculty Development Programme on "From Good to great and Non verbal Communication for teachers" on 26th September 2015 organized by S.T.E.T Women's College, Mannargudi.
10. Participated in the Faculty Development Programme on "Office Management" on 31.12. 2016 organized by S.T.E.T Women's College, Mannargudi.
11. Participated in the Faculty Development Programme on "Effective Communication Skills" on 10.04.2017 organized by S.T.E.T Women's College, Mannargudi.

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12. Participated in the Faculty Development Programme on “Effective Scientific Paper Writing” on 05.05.2017 organized by S.T.E.T Women’s College, Mannargudi.
13. Participated in the Faculty Development Programme on “How to Plan, Draft and Complete the Research problem” on 06.05.2017 organized by S.T.E.T Women’s College, Mannargudi.
14. Participated in the Faculty Development Programme on “Biomedical Nanotechnology” August to September 2018 conducted by NPTEL, IIT, Chennai.
15. Participated in the Faculty Development Programme on “Introduction to Research” conducted by NPTEL- AICTE from February to April 2019.
16. Participated in the Faculty Development Programme on Intellectual Property Rights (IPR) on 08.07.2019 organized by S.T.E.T Women’s College, Mannargudi.
17. Participated in the Three Days Faculty Training Programme on “Implementation of Outcome Based Education” organized by the IQAC, S.T.E.T Women’s College (Autonomous), Mannargudi from 07th to 09th June 2022.
18. Participated in the Faculty Development Training Programme on “Identification of Government and Non Government Funding agencies” organized by IQAC and R&D Cell, S.T.E.T. Women’s College (Autonomous), Sundarakkottai, Mannargudi on 04th March 2023.
19. Participated in the Faculty Development Programme on “ IPR – Concepts to Compliance” organized by IPR Cell, S.T.E.T. Women’s college (Autonomous), Sundarakkottai, Mannargudi on 07.10.2023.

15. Training Programmes attended: (Total = 04)

1. Participated in special training programme in Human Resource Development organized by Balaji Institute of modern Management, Pune, from 24th to 28th October 2011.
2. Participated in Training programme on “Instructional Design for e-content Development” organized by S.T.E.T College, Mannargudi from 11th to 13th June. 2013.
3. Participated in the training programme on “Hormone Analyzer in Immunological Marker” organized by SHUBICK Hormone Analyzer Lab at Pattukkottai on 18th October 2014.
4. Participated in Skill Development programme on “Manufacturing of Water Based Paints” organized by Department of Biochemistry and Department Chemistry, S.T.E.T Women’s College (Autonomous), Mannargudi on 3rd and 4th March 2022

16. Invited Talk/ Gust Lecture

Nil

17. Books/Books Chapters Published: (Total = 01)

Uma U, and **Prasanna G.** 2021. Phytochemical , Proximate and Vitamin analysis of dried fruit extract of *Ficus carica* L., Compendium of Chapters in Modern Bodren Biology, ISBN: 978-93-93737-39-7 179-188.

18. Research Articles Published: (Total = 36)

1. **Prasanna, G.** and Goupriya, D. 2011. Anti inflammatory activity of ethanolic extracts of *Crataeva religiosa* Frost in carrageenan induced albino rats. *Advances in Pharmacology and Toxicology*, 12(1):11-18.

2. **Prasanna, G.** and Mahalakshmi, A. 2011. Nephroprotective effect of *Syzygium cumini* Linn. Against paracetamol induced toxicity in albino rats. *Advances in Pharmacology and Toxicology*, 12(3):25-32.

3. **Prasanna, G.** and Sathya, G. 2011. Cardioprotective effect of *Nelumbo nucifera* Linn., leaf extract on aluminium chloride induced toxicity in albino rats. *International journal of Pharmacology and Biological Sciences*, 5(3): 61-67.

4. **Prasanna, G.** Vembu,S, and Sivanesan, D. 2012. Effect of *Phoenix dactylifera* on high fat diet induced obesity. *Journal of Chemical and Pharmaceutical Research*, 2012, 4(1):348-352.

5. **Prasanna, G** and Arivumani, S. 2012. Protective effect on *Hygrophila auriculata* leaf extract on cadmium chloride induced hepatotoxicity in albino wistar rats. *Asian Journal of Bio.Sciences*, 7(1): 39-43.

6. **Prasanna, G,** and Reka, A. 2012. Phytochemical and antimicrobial activity of *Mentha arvensis* L. *Journal of Microbial World*, 14(1):103-106.

7. **Prasanna, G,** and Elakkiya, P. 2012. A Study on Phytochemical Screening and invitro Antioxidant Activity of *Calotropis gigantea* L. *International Journal of PharmTech Research*, 4(4): 1428-1431.

8. **Prasanna, G.** and Reka, B. 2012. Isolation and Characterisation of Endophytic Bacteria. *Journal of pure and Applied Microbiology*, 6(3): 1243-1250.

9. **Prasanna.G** and Sathya, K. 2012. Antiulcer activity of *Dodonaea viscosa* leaf extract in aspirin induced albino rats. *Asian Journal of Biological and Life Sciences*, 1(3):233-237.

10. **Prasanna, G** and Sutha, S. 2013. Antidiabetic and antilipdemic effect of ethanolic extract of *Shorea robusta* Gaertn. F in alloxan induced rats. *Journal of Herbal Medicine and Toxicology*, 7(1) 67-72.

11. **Prasanna, G,** and Ramya, S. 2013. Nephroprotective effect of *Camellia sinensis* L. on lead acetate induced male albino rats. *International Journal of PharmTech Research*, 5(2): 511-515

12. **Prasanna, G**, and Akila, M. 2014. Hepatoprotective effect of *Indigofera linnaei* Ali. On carbon tetrachloride induced wistar albino rats. *International Research Journal of Pharmacy*, 5(5):392-395.
13. **Prasanna, G**, and Nivetha, J. 2014. Nephroprotective effect of *Myritica fragrans* against gentamicin induced toxicity in albino rats. *An International Journal of Advances in Pharmaceutical Sciences*, 5(3):2039-2045.
14. **Prasanna, G**, Chitra, M. and Janaranjani, B. 2014. Antiinflammatory and antipyretic activities of *Drynaria quercifolia* rhizome in rats, *In J of Pharmaceutical Sciences Rev. Research*, 29(1): 57-61.
15. **Prasanna, G**, Chitra, M and Suvitha, N. 2014. *In vitro* antimicrobial activity of *Drynaria quercifolia* L. Rhizome, *Asian j of Biomedical and pharmaceutical Research*, 3(4): 342-349.
16. **Prasanna, G** and Nisha, S. 2014. A comparative study on antioxidant activity of flowers and leaves of *Plumeria alba*, *World J of pharmaceutical Sciences*, 2(12): 1735-1740.
17. **Prasanna, G**, and Chitra, M. 2015. *In vitro* Anti inflammatory activity of *Drynaria quercifolia* rhizome. *Research Journal of Pharmacognosy and Phytochemisrty*, 7(1): 6-8.
18. **Prasanna, G** and Chitra, M. 2015. Phytochemicals Screening and GC-MS Analysis of *Drynaria quercifolia* Rhizome. *American Journal of Advanced Drug Delivery*, 3 (1): 072-078.
19. **Prasanna, G** and Ramya, S 2015. Biochemical studies on blood sample of diabetes mellitus patients. *Journal of Chemical and Pharmaceutical Research*, 7 (6):22-26.
20. **Prasanna, G**. and Chitra, M. 2015. *In vitro* Antioxidant Activity of *Drynaria quercifolia* L. rhizome. *IJPSR*, 6(7): 3061-3066.
21. **Prasanna, G** and Gowsalyadevi, P. 2015. *In vitro* Antioxidant Effect of *Ionidium Suffruticosum* (Ging). *World Journal of Pharmaceutical Research*, 4(7): 541-552.
22. **Prasanna, G**, and Anuradha, R. 2015. Evaluation of *In Vitro* antioxidant activity of rhizome extract of *Drynaria quercifolia* L. *International Journal of Chem Tech Research*, 8(11): 183-187.
23. **Prasanna, G** and Devika, V. 2016. *In vitro* hepato protective activity of *Drynaria quercifolia* L. *World Journal of Pharmacy Pharmaceutical Sciences*, 2016, 5(1): 512-527.
24. **Prasanna, G**, Padmaselvi, B and Anuradha, R. 2016, Physicochemical and phytochemical analysis of the rhizome of *Drynaria quercifolia* L. *Int J phytopharmacy Research*, 7(1), 18-22.
25. **Prasanna, G** and Anuradha, R. 2016. Ultraviolet - Visible and Fourier Transform-Infrared Spectroscopic studies on *Drynaria quercifolia* L. rhizome. *Asian Journal of Pharmaceutical and Clinical Research*, 9(3): 85-88,
26. **Prasanna, G** and Nivetha, K. 2016. GC-MS and FT-IR analysis of *Nigella sativa* L. seeds. *Intl J of Advanced Research in Biological Sciences*, 3(6):45-54.

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27. **Prasanna, G** and Manohari, R. 2016. *In vitro* antioxidant and antimicrobial activities of *Aerva lanata* L., *Int J Pharmacy and pharmaceutical Research*, 6(2): 191-201.
28. **Prasanna, G** and Kalaivani, K. 2016. HPTLC Finger Print Profile and evaluation of *in vitro* antimicrobial activity of *Mirabilis jalapa* L. flowers, *Int J of Current Microbiology and Applied Sciences*, 5(6): 642-654.
29. **Prasanna, G** and Arthi, V. 2016. HPTLC Finger Print Profile and *in vitro* Antioxidant Activity of *Gomphrena globosa* L. Flowers, *Int. J. Pharm. Sci. Rev. Res*, 39(1): 208-215.
30. **Prasanna, G** and Anuradha, R. 2016. A Comprehensive Review on Phytopharmacological Activities of *Drynaria quercifolia* L. *International Journal of Pharmacognosy and Phytochemical Research*, 8(8); 1304-1313.
31. **Prasanna, G** and Anbukkarasi G. 2018. *In vitro* antioxidant activity of *Madhuca indica* L. *European Journal of Biomedical and Pharmaceutical sciences*, 5(6); 550-555.
32. **Prasanna. G** and Kavitha. R, 2018. Phytochemical screening and *in vitro* anti inflammatory activity of aerial parts of *Tridax procumbens* L. *Int. J. Pharm. Sci. Rev. Res.*, 50(2); 115-120
33. **Prasanna. G** and Vinitha, M. Phytochemical screening and *in vitro* antimicrobial activity of *Gmelina asiatica* L. bark. *Journal of emerging technologies and innovative research*, 2019; 6(3):604-616.
34. **Prasanna. G**, Devi R, Ishwarya G, 2019. *In vitro* evaluation of antidiabetic and cytotoxicity potentials of the rhizome extract of *Drynaria quercifolia* (L.) J. Smith, *Asian Journal of Pharmaceutical and Clinical Research* 12 (11): 72-76.
35. **Prasanna. G** and Janani. K. 2019. *In vitro* evaluation of antioxidant and cytotoxic activities of the leaf extracts of *Aristolochia indica*, *J. Sci.Trans. Environ.Technovotion*, 12(3): 120-126.
36. **Prasanna. G** and Vidhyasri. K. 2020. Phytochemical screening, *In vitro* Antioxidant, Antimicrobial and Anti-inflammatory activities of aqueous extract of *Melia azedarach*, *International Journal of Research* (UGC listed Journal), IX(X): 22-29.

Patent Filed (Total = 01)

Application Number: 202341049891

Date of Filing: 24/07/2023

Title of Invention: Bio- Engineering Strategies for breast cancer Diagnosis and therapy treatment

Field of Invention: CHEMICAL

Publication Date (U/S 11A): 01/09/2023

19. Research Article Published in Conference Proceedings: (Total = 03)

1. Sasmitha, M and **Prasanna, G.** 2019. Physicochemical, Phytochemical and spectral analysis of Selected Medicinal Plants, National Seminar on Herbal Drug development, ISBN-978-9-384008-27-7.
2. Priyadharshini T and **Prasanna G.** 2020. Evaluation of Biochemical Changes in Patients with Type II Diabetes Mellitus, International Conference on Novel Approaches in Cancer Research and Therapy, 978-9-384008-78-9, 45-57.
3. A.Parkavi and **G.Prasanna** ,Nutritional assessment and in vitro antioxidant activity of fresh, frozen and dried seeds of *Pisum sativum* L.International Conference on Phytotherapeutics, 978-9-384008-82-6,

20. Research Experiences

Dissertation and Thesis submitted

- **Ph.D., 2018.** Hepatoprotective activity of the rhizome of *Drynaria quercifolia* (L.) J. Smith. on cadmium chloride induced toxicity in rats.
- **M. Phil., 2004.** Plant regeneration and *Agrobacterium* mediated Genetic transformation in *Vigna radiata* L.
- **M.Sc., 2000.** Evaluation of Lipid peroxidation and Antioxidants in Gastric Ulcer.

M.Phil Thesis Completed under my Guidance (Total = 05)

1. Janani, K. 2018, *In vitro* antioxidant and cytotoxic potential of *Aristolochia indica* leaves.
2. Elakkiya,M. 2019, Green Synthesis of Silver Nanoparticles from aqueous leaves extract of *Heliotropium indicum* L. and their Anticancer activity On HEPG2 Cell line.
3. Vidhyasri. K. 2020. Phytochemical screening, *In vitro* Antioxidant, Antimicrobial and Anti-inflammatory activities of aqueous extract of *Melia azedarach*.
4. G.Priyanka, 2022. *In vitro* evaluation of anticancer activity of seed extract of *Cucurbita Pepo* L. on Breast Cancer Cell Lines (MDA-MB-231).
5. M.Nandhini, 2023. *In vitro* anticancer activity of green synthesized silver nanoparticles using the seed extract of *Cucurbita maxima* against human Colorectal Adenocarcinoma cell line (HT-29)

PG Dissertations completed under my Guidance (Total = 55)

1. **Esther Mary, A. 2009.** Comparative study on antioxidant and antimicrobial activity of *Pergularia daemia* and *Origanum majorum*
2. **Goupriya, D. 2009.** Anti inflammatory, Anti pyretic and Analgesic studies on *Crataeva religiosa* frost in albino rats.

3. **Ramya, S. 2009.** Nephroprotective effect of *Camellia sinensis* L. on lead acetate induced nephrotoxicity in male albino rats.
4. **Reka, A. 2009.** A Study on phytochemicals and antimicrobial activity of *Mentha arvensis* L.
5. **Elakkiya, P. 2010.** A Study on phytochemical screening, invitro antioxidant and antimutagenic activity of *Calotropis gigantea* L.
6. **Reka, B. 2010.** Isolation and characterization of endophytic bacteria.
7. **Sudha, S. 2010.** Hepatoprotective effect of *Punica granatum* Linn. against ethanol induced liver toxicity in albino rats.
8. **Vijaya, R. 2010.** Anti inflammatory and antioxidant activities of *Luffa acutangula* Linn. against carangeenan induced albino rats.
9. **Arivumani, S. 2011.** Protective effect of *Hygrophila auriculata* leaf extract on cadmium chloride induced hepatotoxicity in albino wistar rats.
10. **Kalaivani, S. 2011.** Protective effect of *Aegle marmelos* Linn. leaf extract on ethanol induced ulcerogenic rats.
11. **Mahalakshmi, A. 2011.** Nephroprotective effect of *Syzygium cumini* L., against paracetamol induced toxicity in albino rats.
12. **Sathiya, G. 2011.** Cardioprotective effect of *Nelumbo nucifera* Linn., leaf extract on aluminium induced toxicity in rats.
13. **Manohari, R. 2012.** Invitro antioxidant and antimicrobial activity of *Aerva lanata* L.
14. **Sathya, K. 2012.** Anti ulcer activity of *Dodonaea viscosa* leaf extract in aspirin induced albino rats.
15. **Sudha, S. 2012.** Anti diabetic and anti hyperlipidemic effect of ethanolic extract of *Shorea robusta* Gaertn f. in alloxan induced rats.
16. **Akila, M. 2013.** Hepatoprotective effect of *Indigofera linnaei* Ali. on Carbon tetra chloride induced wistar albino rats.
17. **Lakshmi, J. 2013.** Docking analysis of bioactive compounds against parkinson's disease.
18. **Nisha, N. 2013.** A comparative study on *invitro* antioxidant and antimicrobial activity of flowers and leaves extract of *Plumeria alba*.
19. **Nivetha, J. 2013.** Nephroprotective effect of *Myristica fragrans* against gentamycin induced toxicity in albino rats.
20. **Ramya, S. 2013.** Biochemical studies of blood sample of diabetes mellitus patients.
21. **Gowsalyadevi, S. 2014.** *In vitro* antioxidant effect of *ionidium suffruticosum* (Ging).
22. **Jagadeeswari, R. 2014.** Analgesic activity of *Drynaria quercifolia* L. rhizome in albino rats.
23. **Janaranjani, B. 2014.** Anti inflammatory and antipyretic activities of *Drynaria quercifolia* L. in rats.
24. **Kiruthika, R. 2014.** Evaluation of phytochemicals, antioxidants and some vitamins in *Clitorea ternatea* leaves.
25. **Manimekalai, S. 2014.** Preliminary phytochemical screening and *in vitro* antioxidant activities of rhizome of *Alpinea galanga* and *Curcuma longa*.
26. **Suvitha, N. 2014.** *In vitro* antimicrobial activity of *Drynaria quercifolia* L. rhizome.
27. **Devika, V. 2015.** *In vitro* hepatoprotective activity of *Drynaria quercifolia* L. Rhizome.
28. **Divya, G. 2015.** Physicochemical and Bacteriological Analysis of Pond Water in Rishiyur, Thiruvapur District.
29. **Padmaselvi, B. 2015.** Physicochemical and Phytochemical Analysis of *Drynaria quercifolia* L. Rhizome.

30. **Arthi, V. 2016.** HPTLC finger print profile and *in vitro* antioxidant activity of *Gomphrena globosa* L flowers.
31. **Kalaivani, K. 2016.** HPTLC finger print profile of *in vitro* antimicrobial activity of *Mirabilis jalapa* L. flowers.
32. **Nivetha, N. 2016.** GC-MS and FT-IR analysis of *Nigella sativa* L. seeds.
33. **Anbukkarasi, G. 2017.** *In vitro* antioxidant activity of *Madhuca indica*.
34. **Kavitha, R. 2017.** Phytochemical Screening and *In vitro* Anti-inflammatory activity of aerial parts of *Tridax procumbens*.
35. **Sasmitha, M. 2017.** Physicochemical, Phytochemical and Spectral analysis of Selected Medicinal Plants.
36. **Vinitha, M. 2017.** Phytochemical Screening and *In vitro* Antimicrobial Activity of *Gmelina asiatica* Bark.
37. **Devi, R. 2018.** Evaluation of *In vitro* anticancer activity of the rhizome extract of *Drynaria quercifolia*(L). J.smith. against human liver cancer cell line.
38. **Ishwarya, G. 2018.** *In vitro* evaluation of antidiabetic potential of *Drynaria quercifolia* (L.) J.smith. rhizome.
39. **Priyadharshini, T. 2018.** Evaluation of biochemical changes in patients with type II Diabetes mellitus.
40. **Ishwarya, K. 2019.** Phytochemical screening and *In vitro* antimicrobial activity of *Lepidium sativum* seeds.
41. **Karthika, R. 2019.** *In vitro* anti-oxidant and molecular docking studies on *Myristica fragrans* against colorectal cancer.
42. **Vivitha, K. 2019.** Evaluation of *In vitro* cytotoxicity and apoptotic activity of *Sinapis alba* L. on HEPG2 cell lines
43. **Geethanjali N, 2020.** *In vitro* anticancer potential of green synthesized silver nanoparticles using leaves extract of *plectranthus amboinicus l.* against human liver cancer cells (HepG2)
44. **Malavika, M. 2020.** In vitro evaluation of anti microbial activity of Syzygium aromatic and Ellattaria Cardamomom.
45. **Uma U, 2021.** Phytochemical , Proximate and Vitamin analysis of dried fruit extract of *Ficus carica* L.
46. **Parkavi A, 2021.** Nutritional assessment and *invitro* antioxidant activity of fresh, frozen and dried seeds of *Pisum sativum* (L.)
47. **Swarnamalya V, 2021.** Evaluation of Nutritional profile and *in vitro* anti inflammatory activity of *Amorphophallus paeoniifolius* (Dennst.) Nicolson.
48. **Vaishalini A, 2021.** Nutritional assessment, HPTLC analysis and *invitro* anti diabetic activity of the seed extract of *Cucurbita pepo* (L.)
49. **Devadharshini S 2022.** Phytochemical screening and *in vitro* anti inflammatory activity of bark extract of *Ziziphus mauritiana lam.*
50. **Nandhini. M 2022.** Evaluation of *in vitro* antioxidant and anti diabetic activities of bark extract of *Ziziphus mauritiana* Lam.
51. **Swetha, M. 2022.** Evaluation of *in vitro* anticancer activity of bark extract of *Ziziphus mauritiana* Lam. on HEPG2 Cell Lines.
52. **Abarna A. 2023.**Synthesis of silver nanoparticles using fruit peels extract and evaluation of its antibacterial activity

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53. **Alvini K. 2023.** Silver nanoparticles from fruit peels extract as a potent and low cost anticancer tool against melanoma cell lines (SK-MEL-28)
54. **Sri Subalakshmi S.S. 2023.** Synthesis and Characterization of Iron Oxide nanoparticles (FeONPs) using Annona squamosa fruits extract and evaluation of anti inflammatory and anticancer activity in MCF cell line.
55. **Surya R. 2023.** synthesis of silver nanoparticles from fruit peels and its potential as an antioxidant and anti inflammatory agents

UG Group Project completed under my Guidance (Total = 02)

1. **A.Akalya, M.Anbusri, B.Iswarya, N.Nila, K.Rajeshwari, 2023.** Preliminary phytochemical screening of selected indian spices.
2. **P.Anukraga, T.Gayathri, A.Kaviya, M.Kannikaparameswari, C.Madhumitha, S.Sivaranjani, 2023.** Screening of bioactive compounds of the seeds of selected plants from cucurbitaceae family.

21. Member in Professional Bodies (Total = 03)

1. Indian Science Congress Association – Annual Member-23.09.2014- 23.09.2015.
2. Indian Science Congress Association – Life member -29.03.2019 onwards
3. Life time member in Indian Academic Researchers Association, Trichirappalli, Tamil Nadu from February 2019.
4. Arcid ID-0009-0000-1067-2984
5. Scopus Author Id -57196531569

Special Courses Completed (Total = 02)

NPTEL (National Programme on Technology Enhanced Learning) Online Certification funded by the Ministry of HRD, Govt. of India:

- Biomedical Nanotechnology - August to November 2018 (4 week course)
- Introduction to Research - February to April 2019 (8 week course)

21. Short Term Courses Attended (Total = 02)

1. Participated in online Short Term Course "Integration of ICT Tools in Teaching and Learning" organized by V.H.N SenthikumaraNadar College (Autonomous), Virudhunagar, Tamil Nadu from 26.07.-2021 to 30.07.2021.
2. Participated in UGC sponsored online Short Term Course in Research and Publication Ethics organized by the UGC –Human Resource Development Centre, Bharathidasan University, Tiruchirappalli from 20.09.2023 to 26.09.2023.

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24. Articles in Popular Magazine: Nil

25. Other Positions Held in College: 16

S.No	Positions	From	To	Nature of Work
1.	Class In charge	2010 2013 2018 2021	2013 2016 2021 Till date	<ul style="list-style-type: none"> • Register and Record maintenance • Arranging Parent meeting • Maintaining overall profile of the students • Performance analysis • Students Counseling
2.	Reception Committee for College programme	2008	Till Date	Member
3.	Tutorial ward	2008	Till Date	Tutor In charge
4.	Sports day Committee	2008	Till Date	Member
5.	Discipline Committee for College Programme	2008	Till Date	Student discipline in charge
6.	NAAC- Criterion-I	2012	Till Date	In charge
7.	NAAC- Criterion-III	2019	Till Date	Member in Compilation Committee
8.	National Seminar	2011, 2017	-	Organizing Committee Member
9.	Certificate Course	2015	2019	Tutor
10.	M.Phil Programme	2016	Till Date	Research Advisor, Bharathidasan University, Tiruchirappalli
11.	International Conference	2019, 2023	-	Organizing Committee Member and Programme anchor
12.	Intercollegiate Meet 2019	2019	-	Organizing Committee Member and Programme anchor
13.	Webinars and Virtual FDP	2020	Till date	Organizing Committee Member and Programme anchor
14.	BoS Committee	2020	Till Date	Member at S.T.E.T Women's College (Autonomous), Sundarakkottai, Mannargudi
15.	IECD Diploma course (DMLT)	2018 2021	2019 Till date	Co-Ordinator and Tutor
16.	Value Added Course	2021	Till date	Co-Ordinator (2021) Tutor (Till date)

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26. Other positions Held: 09

S.No	Positions held	From	To	Nature of Work
1.	Examiner for Board valuation in Bharathidasan University	2011	Till Date	External Examiner for UG Valuation
2.	Examiner for University Practical Examination	2010	Till Date	Internal Examiner at S.T.E.T. Women's College, Mannargudi.
3.	Examiner for University UG Practical Examination	2010	Till Date	External Examiner at 1. Rabiammal Ahamed Maideen College for Women, Thiruvarur 2. D.G.G. Atrs and Science College for Women, Mayiladuthurai. 3. Bharathidasan University Constituent College, Orathanadu 4. Annai College of Arts and Science, Kumbakonam 5. E.G.S.Pillai Arts and Science, Nagapattinam
4.	Question Paper Setter for UG Biochemistry	2020	Till Date	1. Bharathiyar University, Coimbatore 2. Vellalar College for Women (Auto), Erode 3. A.D.M. College for Women (Auto), Nagapattinam
5.	Examiner for UG Practical Examination	2021	-	A.D.M. College for Women (Auto), Nagapattinam
6.	Reviewer for Research Article	2021	2022	Reviewer for Research Article in 1. Asian Food Science Journal 2. Asian Journal of Chemical Sciences 3. Asian Journal of Research in Biochemistry 4. Journal of Applied Life Sciences International
7.	Examiner for UG Biochemistry Paper Valuation	2022 & 2023	-	Rajah Serfoji Govt. College (Auto), Thanjavur
8.	Examiner for M.Phil., Viva Voce	2022	-	1. Rabiammal Ahamed Maideen College for Women, Thiruvarur 2. Marudhupandiyar College, Thanjavur
9.	Examiner for University PG Practical Examination	2022	-	D.G.G. Atrs and Science College for Women, Mayiladuthurai
