

**Name of the Faculty: Dr. HEMAMALINI VEDAGIRI**

Designation-  
Assistant Professor- UGC XII plan,  
Department of Bioinformatics,

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**Current Area of Research**

Cancer Genomics and Proteomics,  
Protein dynamics and dysregulation,  
Differential Gene expression analysis.

<b>SCOPUS ID:</b>	<b>57189756647</b>	<b>Researcher ID:</b>	<b>AAG-3836-2020</b>	<b>Google Scholar ID:</b>	<b>oNNu3FwAAAAJ&amp;hl</b>	<b>VIDWAN ID:</b>	<b>121698</b>
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**Education**

Ph.D. (2013) – Biotechnology – Bharathidasan University, Trichy, India

M.Phil (2008) – Biotechnology – Bharathidasan University, Trichy, India

M.Sc. (2000) – Biomedical Genetics - Dr. ALM PG IBMS, University of Madras, Chennai, India

**Professional Experience (In Chronological Order after Ph. D. onwards)**

2016– Present	<b>Assistant Professor</b> , Dept of Bioinformatics, Bharathiar University, Coimbatore.
2014- 2016	<b>Assistant Professor</b> , Dept of Biotechnology, Jamal Mohammed College, Trichy.
2009 - 2013	<b>Research scholar</b> , Dept of Biotechnology, Bharathidasan University, Trichy.
2006 – 2007	<b>Junior Research Associate</b> , Dept of Surgery, University of Pittsburgh, USA.
2004 – 2006	<b>Research Specialist</b> , Dept of Cell and Molecular Biology University of California, Davis, USA.
2002 – 2003	<b>Lecturer</b> , Dept of Bioinformatics, Vel's college of Arts and Science, Chennai.
2000 – 2001	<b>Research Scientist</b> , Bioinformatics Division, DSQ Biotech Ltd, Chennai.

**Additional Responsibilities (In Bharathiar Univrsity)**

- Departmental Swayam- Coordinator
- Departmental Journal Club - Coordinator
- Departmental Cultural Committee- Coordinator

### Awards/ Fellowships

- ✦ Science academies' summer research fellowship programme for teachers-2019 - Indian National Science Academy- INSA – May 2019.
- ✦ DST Women Scientist Fellowship WOS-B – 2015 – Postdoctoral Fellowship.
- ✦ SLET exam Qualified – SET 2012 in Life Sciences.

### Foreign Countries Visited

- Employed as a Junior Research Specialist @ University of California, Davis, USA.
- Employed as a Research Specialist @ University of Pittsburgh, Pittsburgh, USA.

### Sponsored Projects

**Completed** : Nil  
**Ongoing** : 02 (59.52 Lakhs)

### Research Guidance

Ph.D. : Completed – Nil ; Ongoing - 02;  
M. Phil. : Completed - Nil; Ongoing – Nil  
M. Sc. : 06

### Research Publications

**Journals:** International: 07 National: 01 Reports: xx  
**Conference Papers:** International : 02 National: 01  
**Books : Nil**

### Citation

Total Number of Citations : 177 (as on 03/20); h-index – 04

### Five Significant/Recent Publications

- LIGAND-BASED PHARMACOPHORE MAPPING AND VIRTUAL SCREENING FOR IDENTIFICATION OF POTENTIAL DISCOIDIN DOMAIN RECEPTOR 1 INHIBITORS. Vanajothi R, **Hemamalini V**, Jeyakanthan J, Premkumar K. J BIOMOL STRUCT DYN. Aug **8**: 1-9 (2019).
- INHIBITORY POTENTIAL OF HYDROXYCHAVICOL ON EHRlich ASCITES CARCINOMA MODEL AND IN SILICO INTERACTION ON CANCER TARGETS. **Hemamalini V**, Velayutham DPM, Lakshmanan L, Muthusamy K, Sivaramakrishnan S, Premkumar K. NAT PROD RES. Nov **23**:1-6 (2018).
- INTEGRATIVE ANALYSIS OF CXCR4/CXCL12 AXIS GENE EXPRESSION ALTERATIONS IN BREAST CANCER AND ITS PROGNOSTIC RELEVANCE. **Hemamalini Vedagiri**, M. Helga Jenifer, G. Sneha Mirulalini. GENE REPORTS. Jun **11**: 6-11 (2018).
- MACAQUE TROPHOBLAST MIGRATION TOWARD RANTES IS INHIBITED BY CIGARETTE SMOKE-CONDITIONED MEDIUM. Thirkill TL, **Vedagiri H**, Douglas GC. TOXICOL SCI. Jun;**91(2)**:557-67 (2006).
- MACAQUE TROPHOBLAST MIGRATION IS REGULATED BY RANTES. Thirkill TL, Lowe K, Vedagiri H, Blankenship TN, Barakat AI, Douglas GC. EXP CELL RES. May 1;**305(2)**:355-64 (2005).

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