


## Resume

| Resume    |                                  |                                     |  |                        |   |                           |
|-----------|----------------------------------|-------------------------------------|--|------------------------|---|---------------------------|
| <b>I</b>  | <b>General Information</b>       |                                     |  |                        |    |                           |
|           | Name                             | :                                   | Mrs.R.HepziPramilaDevamani   |                        |   |                           |
|           | Father's Name                    | :                                   | Mr.N.Rathinam  |                        |   |                           |
|           | Age & Date of Birth              | :                                   | 45, 12.07.1975   |                        |   |                           |
|           | Designation                      | :                                   | Assistant Professor of Physics   |                        |   |                           |
|           | Department                       | :                                   | Physics  |                        |   |                           |
|           | Mobile No                        | :                                   | 9486825939   |                        |   |                           |
|           | Email ID                         | :                                   | <a href="mailto:hepzi.justin2001@gmail.com">hepzi.justin2001@gmail.com</a> |                        |   |                           |
|           | Service in other colleges        | :                                   | Years  | Months                 |   |                           |
|           | Date of appointment              | :                                   | 22.06.1998(SF)<br>18.03.2016 (R)   |                        |   |                           |
|           | Date of retirement               | :                                   | 31.03.2033   |                        |   |                           |
| <b>II</b> | <b>Educational Qualification</b> |                                     |  |                        |   |                           |
|           | <b>Examination Passed</b>        | <b>Board/University</b>             | <b>Subject</b>   | <b>Year of Passing</b> |   | <b>Class / Percentage</b> |
|           | SSLC                             | Board of Secondary Education        |  | 1990                   |   | First / 89%               |
|           | PUC/ Higher Secondary            | Board of Higher Secondary Education |  | 1992                   | First / 83%   |                           |
|           | Bachelor's Degree                | Madurai Kamaraj University          | Physics  | 1995                   | First / 79%   |                           |
|           | Master's Degree                  | Madurai Kamaraj University          | Physics  | 1997                   | First / 82%<br><b>Secured University Second rank and V.A.M.V Jeyabalan-Nalina Devi Gold medal for the first rank in all the papers put together</b> |                           |
|           | M.Phil                           | Madurai Kamaraj University          | Physics  | 2002                   | First / 76%   |                           |
|           | PhD                              | Madurai Kamaraj University          | Physics  | 2015                   |   |                           |

|                                 |                         |                            |                       |  |                        |
|---------------------------------|-------------------------|----------------------------|-----------------------|--|------------------------|
|                                 | PGDCA                   | Madurai Kamaraj University | Computer applications | 1998   | First / 70%            |
| III                             | Teaching Experience     |                            | : UG                  | :  | 17 Years 8 months (SF) |
|                                 |                         |                            | PG                    | :  | 17 Years 8 months (R)  |
|                                 | Field of Specialization |                            | : Nano Science        |  |                        |
| <b>In-house projects guided</b> |                         |                            |                       |  |                        |
|                                 | Year                    | UG / PG / M.Phil           | Number of Students    | Area of study  |                        |
|                                 | 2002 - 2003             | B.Sc E & C                 | 4                     | IC 555 Applications  |                        |
|                                 | 2003 - 2004             | B.Sc E & C                 | 4                     | UPS for cardless telephones  |                        |
|                                 | 2005 - 2006             | M.Sc Physics               | 3                     | IC Tester using Microprocessor 8085  |                        |
|                                 | 2006 - 2007             | M.Sc Physics               | 2                     | Automatic Railway Gate using Microprocessor 8085   |                        |
|                                 | 2007 - 2008             | M.Sc Physics               | 3                     | Fuzzy Logic temperature Controller   |                        |
|                                 | 2008 - 2009             | M.Sc Physics               | 2                     | Comparing binary, duo binary, di code, partial response signal in a two channel WDM System |                        |
|                                 | 2013-2014               | M.Sc Physics               | 1                     | Synthesis and Characterization of Lead Chromate Nanoparticles                              |                        |
|                                 | 2013-2014               | M.Sc Physics               | 1                     | Synthesis and Characterization of Lead Carbonate Nanoparticles                             |                        |
|                                 | 2013-2014               | M.Sc Physics               | 1                     | Synthesis and Characterization of Copper Chromate Nanoparticles                            |                        |
|                                 | 2013-2014               | M.Sc Physics               | 1                     | Synthesis and Characterization of Copper Carbonate Nanoparticles                           |                        |
|                                 | 2014-2015               | M.Sc Physics               | 2                     | Synthesis and Characterization of Cobalt Carbonate Nanoparticles                           |                        |
|                                 | 2014-2015               | M.Sc Physics               | 2                     | Synthesis and Characterization of Cobalt Hydroxide Nanoparticles                           |                        |
|                                 | 2014-2015               | M.Sc Physics               | 2                     | Synthesis and Characterization of Calcium Carbonate Nanoparticles                          |                        |
|                                 | 2014-2015               | M.Sc Physics               | 2                     | Synthesis and Characterization of Lead Chloride Nanoparticles                              |                        |
|                                 | 2014-2015               | M.Sc Physics               | 2                     | Synthesis and Characterization of Iron Carbonate Nanoparticles                             |                        |
|                                 | 2014-2015               | M.Sc Physics               | 2                     | Synthesis and Characterization of Magnesium Carbonate Nanoparticles                        |                        |
|                                 | 2014-2015               | M.Sc Physics               | 2                     | Synthesis and Characterization of Nickel Carbonate Nanoparticles                           |                        |
|                                 | 2015-2016               | M.Sc Physics               | 2                     | Morphology and Thermal studies of Nickel Carbonate Nanoparticles                           |                        |
|                                 | 2015-2016               | M.Sc Physics               | 2                     | Morphology and Thermal studies of Calcium Carbonate Nanoparticles                          |                        |
|                                 | 2015-2016               | M.Sc Physics               | 2                     | Morphology and Thermal studies   |                        |

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|---|---|---|---------------|--|----------------|
|   |   |   |               | ofcobalt Carbonate Nanoparticles                                   |                |
|   | 2015-2016   | M.Sc Physics  | 2             | Morphology and Thermal studies ofCopper Carbonate Nanoparticles    |                |
|   | 2015-2016   | M.Sc Physics  | 2             | Morphology and Thermal studies ofLead Carbonate Nanoparticles      |                |
|   | 2015-2016   | M.Sc Physics  | 2             | Morphology and Thermal studies ofMagnesium Carbonate Nanoparticles |                |
|   | 2016-2017   | M.Sc Physics  | 2             | Synthesis and characterization of Lead II iodide nanoparticles     |                |
|   | 2016-2017   | M.Sc Physics  | 3             | Synthesis and characterization of cadmium sulphide nanoparticles   |                |
|   | 2017-2018   | M.Sc Physics  | 3             | Synthesis and characterization of lead IIsulphide nanoparticles    |                |
|   | 2018-2019   | M.Sc Physics  | 2             | Synthesis and Characterization of Silver Chloride Nanoparticles    |                |
|   | 2018-2019   | M.Sc Physics  | 2             | Synthesis and Characterization of Silver Chromate Nanoparticles    |                |
| No. of articles published in Journals   |   |   |               |  |                |
|   | International   | :   | 31            |  |                |
|   | National  | :   | 2             |  |                |
| No. of papers presented in Seminars / Conferences                                       |   |   |               |  |                |
|   | International   | :   | 2             |  |                |
|   | National  | :   | 2             |  |                |
| No. of articles published in Books / Conference Proceedings : Conference Proceedings: 4 |   |   |               |  |                |
| <b>IV</b>   | <b>Articles published</b>   |   |               |  |                |
|   | Title of the Article  | Name of the Journal   | Impact Factor | Database   | Citation Index |
|   | Synthesis and Characterization of Barium Phosphate Nanoparticles    | Golden Research Thoughts  | 3.4052        | -  | -              |
|   | Synthesis and Characterization of Lead (II) Hydroxide Nanoparticles | International Journal of Applied Science and Engineering Research | -             | -  | -              |
|   | Synthesis and Characterization of Aluminium Phosphate Nanoparticles | International Journal of Applied Science and Engineering Research | -             | -  | -              |
|   | Synthesis and Characterization of Cerium Phospho                    | Indian Journal of Pure and Applied Physics                        | 0.766         | -  | -              |

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|---|--|------------------------|---|---|--|
| Chromate and Cd doped Cerium Phospho Chromate in nano-form            |  |                        |   |   |  |
| Synthesis and Characterization of Copper (II) Phosphate Nanoparticles | Elixir Nanotechnology                                | ICV: 80.82, PIF: 6.025 | - | - |  |
| Synthesis and Characterization of Lead (II) Phosphate Nanoparticles   | Elixir Nanotechnology                                | ICV: 80.82, PIF: 6.025 | - | - |  |
| Synthesis and Characterization of Iron (II) Hydroxide Nanoparticles   | Elixir Nanotechnology                                | ICV: 80.82, PIF: 6.025 | - | - |  |
| Synthesis and Characterization of Iron (II) Chromate Nanoparticles    | Elixir Nanotechnology                                | ICV: 80.82, PIF: 6.025 | - | - |  |
| Synthesis and Characterization Copper (II) Hydroxide Nanoparticles    | Nano Biomedicine and Engineering Journal             |                        | - | 1 |  |
| Synthesis and Characterization Barium Hydroxide Nanoparticles         | Asian Academic Research Journal of Multidisciplinary | ICV 5.05, ISRA:2.015   | - | - |  |
| Synthesis and Characterization Copper Carbonate Nanoparticles         | Golden Research Thoughts                             | 3.4052                 | - | - |  |
| Synthesis and Characterization Lead Chromate Nanoparticles            | International Journal of Scientific Research         | ICV: 69.48, IF: 3.508  | - | - |  |
| Synthesis and Characterization Copper Chromate Nanoparticles          | Weekly Science Research Journal                      | 2.4210                 | - | - |  |
| Synthesis and Characterization Lead Carbonate Nanoparticles           | Golden Research Thoughts                             | 3.4052                 | - | - |  |
| XRD Studies of Lead Carbonate   | VVVC Multidisciplinary Research Journal              | -                      | - | - |  |

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|---|--|-------------|---|---|--|
| Nanoparticles   |  |             |   |   |  |
| Synthesis and Characterization of Cobalt Hydroxide Nanoparticles    | Golden Research Thoughts   | 3.4052      | - | - |  |
| Synthesis and Characterization of Calcium Carbonate Nanoparticles   | Journal of Environmental Sciences, Computer Science and Science and technology     | SJIF: 5.048 | - | - |  |
| Synthesis and Characterization of Cobalt Carbonate Nanoparticles    | International Research Journal of Natural and Applied Sciences                     | SJIF:3.827  | - | - |  |
| Synthesis and Characterization of Lead Chloride Nanoparticles       | International Journal of Current Research in Chemistry and Pharmaceutical sciences | 5.749       | - | - |  |
| Synthesis and Characterization of Iron Carbonate Nanoparticles      | Science Park Research Journal  | 2.1005      | - | - |  |
| Synthesis and Characterization of Nickel Carbonate Nanoparticles    | Golden Research Thoughts   | 3.4052      | - | - |  |
| Synthesis and Characterization of Cobalt Hydroxide Nanoparticles    | Golden Research Thoughts   | 3.4052      | - | - |  |
| Synthesis and Characterization of Calcium Carbonate Nanoparticles   | Journal of Environmental Sciences, Computer Science and Science and technology     | SJIF: 5.048 | - | - |  |
| Synthesis and Characterization of Magnesium Carbonate Nanoparticles | International Journal of Engineering and Scientific Research                       | 5.9         | - | - |  |
| Morphology and Thermal properties of Nickel Carbonate Nanoparticles | International Journal of Science Technology and Management                         | 2.012       | - | - |  |
| Morphology and Thermal Studies of Calcium Carbonate Nanoparticles   | International Journal of Innovative Science, Engineering and Technology            | 4.332       | - | - |  |

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|---|--|----------------------|---|---|
| Morphology and Thermal Studies of Cobalt Carbonate Nanoparticles                  | Asian Academic Research Journal of Multidisciplinary                   | ICV 5.05, ISRA:2.015 | - | - |
| Morphology and Thermal Studies of Copper Carbonate Nanoparticles                  | International Journal of Modern Science and Engineering Technology     | 3.094                | - | - |
| Morphology and Thermal Studies of Magnesium Carbonate Nanoparticles               | International Research Journal of Natural and Applied Sciences         | SJIF:3.827           | - | - |
| Morphology and Thermal Studies of Lead Carbonate Nanoparticles                    | International journal of Engineering science and innovative technology | 1.913                | - | - |
| Synthesis and characterization of Potassium Copper Sulphate Hydrate nanoparticles | International Journal of Innovative Science, Engineering & Technology  | 4.332                | - | - |
| Synthesis and characterization of Lead II iodide nanoparticles                    | International Research Journal of Natural and Applied Sciences         | 5.46                 | - | - |
| Synthesis and characterization of cadmium sulphide nanoparticles                  | International Journal of Innovative Science, Engineering & Technology  | 4.332                | - | - |
| Synthesis and characterization of lead II sulphide nanoparticles                  | International Journal of Engineering Science Innovation                | 5.962                | - | - |
| Synthesis and Characterization of Silver Chloride Nanoparticles                   | Paripex - Indian Journal of Research                                   | 6.761                | - | - |

**Papers presented**

| Date       | Seminar / Conference                            | Level    | Title of the paper                                   | Venue                  |
|------------|---|----------|--|------------------------|
| 12.09.2013 | Approaches and Applications of Nano Science and | National | Characterization Copper (II) Hydroxide Nanoparticles | ANJA College, Sivakasi |

|                       |                                       |                |  |  |   |
|-----------------------|---------------------------------------|----------------|--|--|---|
|                       |                                       | Nanotechnology |  |  |   |
| 13.12.2013            | Guest Lecture                         | -              |  | Synthesis and Characterization of Iron (II) Chromate Nanoparticles                           | Sri Ramaswamy Naidu Memorial College, Sattur                |
| 03.01.2014            | Guest Lecture                         | -              |  | Synthesis and Characterization of Copper Phosphate Nanoparticles                             | Devanga College, Aruppukottai                               |
| 22.12.2014-23.12.2014 | Recent trends in materials            | International  |  | Synthesis and Characterization of Lead Chloride Nanoparticles                                | Devanga College, Aruppukottai                               |
| 22.1.2016-23.1.2016   | Recent trends in materials            | International  |  | Structural, Compositional, Optical and Thermal analysis of Magnesium Carbonate Nanoparticles | Devanga College, Aruppukottai                               |
| 26.02.2016            | Nuclear Energy for future generations | National       |  | Structural, Compositional, Optical and Thermal analysis of Cobalt Carbonate Nanoparticles    | Kamaraj College of Engineering and Technology, Virudhunagar |

**Articles published in Books / Conference Proceedings**

| Year | Book title / Conference  | ISBN  | Article title  |
|------|--|-------|--|
| 2013 | Approaches and Applications of Nano Science and Nanotechnology | P.NO: | Characterization Copper (II) Hydroxide Nanoparticles   |
| 2014 | Recent trends in materials                                     |       | Synthesis and Characterization of Lead Chloride Nanoparticles                                |
| 2016 | Recent trends in materials                                     |       | Structural, Compositional, Optical and Thermal analysis of Magnesium Carbonate Nanoparticles |
| 2016 | Nuclear Energy for future generations                          |       | Structural, Compositional, Optical and Thermal analysis of Cobalt Carbonate Nanoparticles    |

**V Seminars/Conferences/Workshops attended**

| Date | Level | Name of the Seminar / | Venue |
|------|-------|-----------------------|-------|
|------|-------|-----------------------|-------|

|                       |                  | Conference / Workshop   |   |
|-----------------------|------------------|---|---|
| 09.02.2004            | State            | Geophysics and ONGC Operation   | V.V.Vanniaperumal College for Women, Virudhunagar           |
| 13.12.2004-17.12.2004 | Refresher Course | Recent Trends in Physics  | V.V.Vanniaperumal College for Women, Virudhunagar           |
| 11.08.2005            | State            | Embedded System. Awareness of Energy Management and Instrumentation                               | G.Venkataswamy Naidu College, Kovilpatti                    |
| 17.08.2005-19.08.2005 | Regional         | Recent Trends in Condensed Matter Physics   | V.V.Vanniaperumal College for Women, Virudhunagar           |
| 24.08.2005-26.08.2005 | National         | Emerging Opportunities in the field of Electronics  | V.V.Vanniaperumal College for Women, Virudhunagar           |
| 27.02.2009            | National         | Recent Advancement in Space Research and Astrophysics   | V.V.Vanniaperumal College for Women, Virudhunagar           |
| 17.09.2009            | National         | Emerging Technologies in Semiconductor Devices  | V.V.Vanniaperumal College for Women, Virudhunagar           |
| 02.12.2009            | -                | Workshop on Curriculum Designing and Evaluation for Autonomous Colleges                           | V.V.Vanniaperumal College for Women, Virudhunagar           |
| 07.10.2010            | Regional         | Recent Advancement in Astrophysics  | V.V.Vanniaperumal College for Women, Virudhunagar           |
| 04.01.2011-06.01.2011 | -                | Workshop on "Energy management and Employment Opportunities"                                      | V.V.Vanniaperumal College for Women, Virudhunagar           |
| 01.02.2011-02.02.2011 | State            | Workshop on "Energy Kinetics, Crystal Growth and Polymers"  | AyyaNadarJanakiAmmal College, Sivakasi                      |
| 31.10.2011-01.11.2011 | -                | Re-training of Teachers Programme   | V.V.Vanniaperumal College for Women, Virudhunagar           |
| 16.09.2011            | State            | Nanoscience and Technology  | Arul Anandar College. Karumathur                            |
| 03.01.2012            | National         | Conference on "Recent Trends in Physics"  | V.V.Vanniaperumal College for Women, Virudhunagar           |
| 29.02.2012            | National         | Conference on "Application of Irradiation Techniques in Science, Engineering and Medicine Fields" | Kamaraj College of Engineering and Technology, Virudhunagar |



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|-------------------------|---|---|---|
| 06.03.2012-07.03.2012   | National                                  | Conference on “Innovative Strategies in Teaching – Learning and Evaluation Process” | V.V.Vanniaperumal College for Women, Virudhunagar |
| 28.09.2012-29.09.2012   | State                                     | Research Instruments  | AyyaNadarJanakiAmmal College, Sivakasi            |
| 05.02.2013              | State                                     | Nanomaterials   | V.V.VanniaperumalCollege for Women, Virudhunagar  |
| 08.02.2013-09.02.2013   | National                                  | Materials Research  | V.H.N.SenthikumaraNadar College, Virudhunagar     |
| 12.09.2013              | National                                  | Approaches and Applications of Nanoscience and Nanotechnology                       | AyyaNadarJanakiAmmal College, Sivakasi            |
| 18.01.2014              | Cluster of Colleges Joint Faculty Meeting | Classical and Quantum Dynamics  | V.V.Vanniaperumal College for Women, Virudhunagar |
| 19.02.2014              | International Symposium                   | Nanostructures for Photovoltaic Applications  | Fatima College, Madurai                           |
| 04.08.2014              | State                                     | Recent Advances in Material Science   | Sri Ramaswamy Naidu Memorial College, Sattur      |
| 23.08.2014              | Cluster of Colleges Joint Faculty Meeting | Physics of disaster   | Devanga College, Aruppukottai                     |
| 08.10.2014              | National                                  | Recent Trends in Astrophysics   | V.V.Vanniaperumal College for Women, Virudhunagar |
| 20.09.2014              | Cluster of Colleges Joint Faculty Meeting | Safety Features in Indian Nuclear Power Plants                                      | V.H.N.SenthikumaraNadar College, Virudhunagar     |
| 08.10.2014              | National Seminar                          | Recent trends in Astrophysics   | V.V.Vanniaperumal College for Women, Virudhunagar |
| 22.12.2014 – 23.12.2014 | International conference                  | Recent trends in Materials  | Devanga Arts College, Aruppukottai.               |
| 22.1.2016 – 23.1.2016   | International conference                  | Recent trends in Materials  | Devanga Arts College, Aruppukottai.               |
| 10.02.2017-11.02.2017   | Workshop                                  | Recent Developments in Applied Physics  | Devanga Arts College, Aruppukottai.               |
| 09.01.2019              | Faculty Development Programme             | Promotion of API score and CAS filing   | Periyar E.V.R College, Tiruchirapalli.            |

|  |   |                       |  |  |
|--|---|-----------------------|--|--|
|  | 24.01.2019  | Hands on Training     | The interpretation of Electrochemical Impedance and TEM data | Lady Doak College, Madurai.  |
|  | 30.08.2019  | International Seminar | Nano materials for Energy and Environmental Applications     | Devanga Arts College, Aruppukottai.  |
| <b>VI Course attended (Refresher / Orientation / any other )</b> |   |                       |  |  |
|  | Name of the Course                                |                       | Venue  | Duration   |
|  | Orientation course                                |                       | Madras University, Chennai                                   | 08.11.2018 – 05.12.2018  |
| <b>VII Resource person / Chairperson</b>                         |   |                       |  |  |
|  | <b>Activity</b>                                   |                       | <b>Date</b>  | <b>Topic/Theme</b>   |
|  | Resource Person Staff- Student Exchange programme |                       | 21.08.2019   | Taking classes for I B.Sc. Physics students of Devanga Arts College, “Capacitors”      |
|  | Resource Person Staff- Student Exchange programme |                       | 25.09.2019   | Taking classes for III B.Sc Physics students of Devanga Arts College, “Multivibrators” |
| <b>VIII Role in Academic Bodies</b>                              |   |                       |  |  |
|  |   |                       | :  |  |
|  | <b>As a member of Board of Studies</b>            |                       | :  |  |
|  | University / College                              |                       | Period   | Board  |
|  | Sourashtra College, Madurai                       |                       | 2014- 2017   | Electronics and Communication  |
|  | MTN College                                       |                       | 2015- 2017   | Electronics and Communication  |
| <b>IX Seminars / Conferences / Workshops organized</b>           |   |                       |  |  |
|  | Date  | Level                 | Theme  |  |
|  | 18.01.17  | National              | Recent Trends in Medical Physics                             |  |
|  | 11.01.18  | Workshop              | Nanomaterials and Characterization Techniques                |  |
| <b>X Student - oriented Service</b>                              |   |                       |  |  |
|  | Staff - in - charge of various activities in the  |                       | :  |  |
|  | <b>i. Institution</b>                             |                       |  |  |
|  | 2009-2010   |                       | Union  |  |
|  | 2010-2011   |                       | Women Empowerment Cell                                       |  |
|  | 2011-2012   |                       | Women Empowerment Cell                                       |  |

|           |                             |
|-----------|-----------------------------|
| 2012-2013 | Department Magazine         |
| 2013-2014 | College Magazine            |
| 2014-2015 | IQAC Member                 |
| 2015-2016 | Placement Coordinator       |
| 2016-2017 | Discipline Committee Member |
| 2017-2018 | House System                |
| 2018-2019 | IQAC Member                 |
| 2019-2020 | IQAC Member                 |

**Department**

Department Magazine, Department Minutes Register, Tour-in-Charge, Library – in-Charge, Association in-charge, Staff activity Register, Student activity Register, Extra-curricular activities Register, Participated and organized cluster college joint faculty meeting, Extension, Parent – Teachers’ Association, Alumni Association.

- ii. Any other information (Membership in various academic related bodies / societies / associations) Reviewer in Nano Bio Medicine Engineering and Elixir International Journals.