

**BAPUJI EDUCATIONAL ASSOCIATION®**  
**D.R.M. SCIENCE COLLEGE**  
**DAVANAGERE: 577 004**

**Detailed CV**

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**Academic Qualifications:**

Degree	Specialization/ Subjects	University	Year of Award/ Passing
Ph.D.,	Industrial Chemistry Inorganic chemistry	Kuvempu University, Shankaraghatta, Shivamogga	2018
M.Sc.,	Chemistry	Davanagere University, Davanagere	2012
B.Sc.,	Chemistry, Botany, Biotechnology	Vidyavahini First Grade College, Tumkur University, Tumkur	2009

**Teaching/Research experience:**

POSITION	INSTITUTION	FROM	TO
Assistant Professor	D.R.M. Science College, Davanagere	22.09.2021	Till Date
Lecturer	Sahyadri Science College, Shivomogga. M.Sc., Chemistry	15.08.2016	20.04.2018

**Administrative experience:**

POSITION	INSTITUTION	FROM	TO
IQAC Coordinator	D.R.M. Science College, Davanagere	09.09.2024	Till Date
NSS Programme Officer	D.R.M. Science College, Davanagere	09.02.2022	Till Date
Convenor for NAAC- Criterion 2	D.R.M. Science College, Davanagere	09.02.2022	Till Date

### ❖ **Reviewer of the International Journals:**

- European Journal of Clinical and Experimental Medicine.

### ❖ **Administrative responsibility (including as Dean / Principal / Chairperson / Convener / Teacher-in-charge/similar other duties that require regular office hrs. for its discharge)**

1. **Convener for International Webinar** On “Trends Shaping the Future of Battery Technology” held on 21<sup>st</sup> December 2024, organized by Department of Chemistry, DRM Science College, Davanagere.
2. **Organizing Coordinator for One day International Seminar** on “Present and Future Trends in Battery and Fuel Cells” held on 27<sup>th</sup> June 2024, organized by Department of Chemistry, DRM Science College, Davanagere.
3. **Convener for One day workshop on “Gas chromatography and High-Performance Liquid chromatography and its applications”** held on 01<sup>st</sup> July 2024, organized by Department of Chemistry, DRM Science College, Davanagere.
4. **Convener for One day workshop on “CURRICULUM FRAMING – UG CHEMISTRY”** held on 01<sup>st</sup> August 2024, organized by Department of Chemistry, D. R. M. Science College in Association with Post-Graduation Studies in Chemistry, Davangere University, Davanagere.

### ❖ **Details of Orientation/Refresher Courses**

1. **Four Weeks Induction/ Orientation Programme** on 19<sup>th</sup> November to 18<sup>th</sup> December 2021 held at Teaching Learning centre, Ramanujan College, University of Delhi, under the aegis of Ministry of education, Govt of India.
2. **Two Weeks Refresher Course in chemistry** held on 29<sup>th</sup> November to 13<sup>th</sup> December 2022 at Teaching Learning centre, Ramanujan College, University of Delhi, under the aegis of Ministry of education, Govt of India.

### ❖ **Published Books/Chapters**

1. Enzyme Inhibition by Metal Complexes: Properties and Applications, Page No 52, *Book Title:* ADVANCES IN ENZYMOLOGY ROLE IN INDUSTRIAL AND PHARMACEUTICAL APPLICATIONS. P.K. Publishers & Distributors, Delhi - 110053 (India), ISSN/ISBN No: 978-93-92239-51-9.

### ❖ **International Conferences/Seminars/Workshop**

1. **Participated One day International Seminar on “Present and Future Trends in Battery and Fuel Cells”** held on 27<sup>th</sup> June 2024, organized by Department of Chemistry, DRM Science College, Davanagere.
2. **Participated One day International Seminar on “Transdisciplinary Strategies towards Bioprospecting and Conservation of Medicinal Plants”** held on 4<sup>th</sup> April 2024, organized by Department of Botany, DRM Science College, Davanagere.
3. **Paper Presentation at International Conference On “Recent advancement in chemistry”** held on 23<sup>rd</sup> Nov 2022, organized by Department of chemistry, Field Marshal K M Cariyappa College, Madikeri.
4. **Oral Presentation of Design, spectral, thermal, DFT studies, antioxidant and molecular docking studies of pyrazole-based schiff base ligand and its metal (II) complexes at 1st International Conference On Materials Science and Mathematics for Advanced Technology - (MSMAT 2021)** during 19<sup>th</sup> and 20<sup>th</sup> Nov 2021 Organized by NMAM Institute of Technology Nitte, Karkala, Karnataka.

### ❖ **National Conference**

1. **Oral Presentation at two days National Conference on recent developments in chemical Sciences (RDCS 2023)**, organized by Department of postgraduate studies and Research in chemistry Sahyadri Science College, Shivamogga on 20<sup>th</sup> and 21<sup>st</sup> Feb 2023.
2. **Participated KSTA Sponsored “Dr. Shantiswarup Bhatnagar Memorial Lecture series”** held at SJVP College and PG Centre Harihara on 24<sup>th</sup> and 25<sup>th</sup> June 2022
3. One day National webinar on **“Cellular and molecular basis of Inheritance”** held on 22<sup>nd</sup> Jan 2022 organized by Department of Chemistry, Shri Shivayogi murughendra swamiji Arts Science and Commerce College Athani, Belagavi.

### ❖ **Faculty Development Programme**

1. Five-day FDP on **“ADAPTABILITY, INNOVATIONS AND CONTINUOUS LEARNING THROUGH RESEARCH”** organized by the IQAC and Department of Commerce of MGVC ARTS, COMMERCE AND SCIENCE COLLEGE, MUDDEBIHAL from 22-07-2024 to 26-07-2024,
2. Five-day FDP on **“SPECTROSCOPIC TECHNIQUES AND ITS APPLICATIONS”** held on July 24<sup>th</sup> to July 28<sup>th</sup> 2023, organized by Department of postgraduate studies and Research in chemistry of St Aloysius College (A) Manglore – 575003.
3. Five-day FDP on **“SCIENCE OF NEW AGE MATERIALS FOR ADVANCED TECHNOLOGICAL APPLICATIONS”** held on 25<sup>th</sup> to 29<sup>th</sup> April 2022, organized by Department of chemistry, Acharya Institute of Technology, Bengaluru -560107.
4. Seven-day FDP on **“RECENT ADVANCE IN CHEMISTRY”** held on 27<sup>th</sup> Dec 2021 to 04<sup>th</sup> Jan 2022 organized by Department of chemistry, School of Science, RK Univeristy, Rajkot Gujarat.

### ❖ **Workshops**

1. One day state level workshop on **“SOFT SKILLS”** organized by Human Resource development cell, SJVP College and PG Centre Harihara on 31<sup>st</sup> March 2023.

### ❖ **Resource Person in Invited Lectures / Special Lectures / Conferences / Seminars / Workshops.**

1. Resource person for special lecture series on **“Fundamentals and Applications of IR Spectroscopy, and Metal Clusters”** organized by IQAC Cell, Govt, First Grade College, Jagalur on 10-01-2024.
2. Resource person for Invited Lectures Series-2023 **“Topic: Coordination Chemistry”** at R.T.E.S Arts Science and Commerce Degree College, Ranebennur on 11-12-2023 to 16-12-2023.
3. Resource person for special lecture series on **“Bio-analytical techniques”** organized by Department of Postgraduate studies in Industrial Chemistry, Sahyadri Science College, Shivamogga on 02<sup>nd</sup> Sept 2023.

## ❖ Published Papers in Journals

Sl.No	Title	Journal Name and Year	ISSBN No
1	<i>"Enhanced Photocatalytic Applications Of Ce-Doped Moo3 Nanoparticles Synthesized Via Combustion Process Using Calophyllum Seed Powder:"</i> <a href="https://doi.org/10.1016/j.molstruc.2024.141125">https://doi.org/10.1016/j.molstruc.2024.141125</a>	Journal of Molecular Structure Volume 1328, 25 April 2025, 141125	0022-2860
2	<i>Synthesis, physicochemical characterisation of novel Azo-2-[(E)-{2-hydroxy-3-methoxy-5-[(E)-(4-nitrophenyl) diazenyl]phenyl}methylidene]amino}pyridin-3-ol and its metal complexes; evaluation of anti-diabetic, anti-tuberculosis, DFT, Docking and Electrochemical detection of pain relief Paracetamol</i> <a href="https://doi.org/10.1016/j.molstruc.2024.140461">https://doi.org/10.1016/j.molstruc.2024.140461</a>	Journal of Molecular Structure Volume 1322, Part 3, 15 February 2025, 140461	0022-2860
3	<i>Synthesis, Characterization, DFT, Molecular docking studies and Biological activities of 6,8-dichloro-3-phenyl[1,2,4]triazolo[3,4-b][1,3]benzoxazole derivatives</i> <b>DOI: 10.22607/IJACS.2024.1203010</b>	Indian Journal of Advances in Chemical Science, 2024	2320-0898
4	<i>Synthesis, Analysis and Biological assessment of a Novel Coumarin AzoDye Ligand and Its 3d Metal Complexes for Photocatalytic investigation of MB dye</i> <b>doi:10.33472/AFJBS.6.5.2024. 7920-7946</b>	African Journal of Biological Sciences, 2024	2663-2187
5	<i>Synthesis, spectral study of novel 4-[(e)-(2-nitrophenyl)diazenyl]-1,3-thiazol-amine (NTA/C9H7N5O2S) and its coordinated metal [Co(NTA)2.(H2O)2] and [Ni(NTA)2.(H2O)2] complexes; antioxidant activity study</i>	European. Chemical. Bulletin, 2023	2063-5346
6	<i>Design, spectral, thermal, DFT studies, antioxidant and molecular docking studies of pyrazole-based schiff base ligand and its metal (II) complexes.</i>	Materials Today: Proceedings, 2022	2214-7853
7	<i>Structural Characterization, DFT, Molecular Docking and Cytotoxic Studies of Metal (II) Complexes Derived from Thiosemicarbazide,</i>	Asian Journal of Chemical Science 2022	2456-7795
8	<i>Synthesis, characterization, DFT studies, antibacterial, cytotoxic and molecular docking studies of 3-chloro-1-[(6-nitro-1, 3-benzoxazol-2-yl) amino]-4-phenylazetid-2-one derivatives</i>	International Journal of Chemical and Biological Sciences, 2021	2664-6765
9	<i>Spectral, DFT, molecular docking and antibacterial activity studies of Schiff base derived from furan-2-carbaldehyde and their metal (II) complexes.</i>	Journal of the Turkish Chemical Society Section A: Chemistry. 2020	2149-0120
10	<i>An efficient synthesis of 2-(6-methoxy-2-naphthyl)-1,3-benzoxazole derivatives using IBD/LTA: Reactivity, DFT, Anticancer and Larvicidal activities</i>	Asian J. Research Chem, 2020	0974-4169
11	<i>Synthesis, Characterization, DFT, DNA binding/cleavage studies of Schiff base metal (II) complexes,</i>	Research Journal of Chemistry and Environment, 2020	0972-0626

<b>12</b>	<i>Spectral, DFT calculations, biological and molecular docking studies of 2-[(thiophen-2-ylsulfanyl)methyl]-1H-benzimidazole based metal (II) complexes,</i>	International journal of scientific research and reviews. 2019	2279-0543
<b>13</b>	<i>Synthesis, XRD, thermal, spectroscopic studies and biological evaluation of Co(II), Ni(II) Cu(II) metal complexes derived from 2-benzimidazole.</i>	Journal of Molecular Structure, 2018	0022-2860
<b>14</b>	<i>Synthesis, Spectral Characterization, In vitro <math>\alpha</math>-Amylase, Antioxidative and Molecular Docking Studies of S-(5-methoxy-1H-benzimidazole-2-yl)Thiophene-2-carbothioate and Their Metal Complexes</i>	Asian Journal of Physical and Chemical Sciences, 2018	2456-7779
<b>15</b>	<i>Synthesis, spectral studies, XRD, thermal analysis and biological screening of metal complexes derived from (N-(3-methoxyphenyl)-2-[(2E)-3-phenylprop-2-enoyl] hydrazinecarboxamide</i>	Journal of the Turkish Chemical Society Section A: Chemistry, 2018.	2149-0120
<b>16</b>	<i>ZnCl<sub>2</sub> catalysed one pot synthesis of benzoxazole linked pyridine derivatives, biological evaluation and DFT studies</i>	International Journal of Pharmacy and Biological Sciences, 2018	2321-3272
<b>17</b>	<i>Cd(II) Mixed Ligand Complex Containing 2-Aminothiazole and Triphenylphosphine; Synthesis, Spectral, DFT and Biological Activity Studies</i>	2018 Journal of Pharmaceutical, Chemical and Biological Sciences, 2018	2348-7658
<b>18</b>	<i>Metal complexes of quinolin-8-yl [(5-methoxy-1H-benzimidazol-2-yl)sulfanyl] acetate: Spectral, XRD, thermal, cytotoxic, molecular docking and biological evaluation.</i>	2017 Journal of Molecular Structure, 2017	0022-2860
<b>19</b>	<i>Co(II), Ni(II) and Cu(II) complexes of new mannich base of N'-(1H-benzimidazol-1-ylmethyl) pyridine-4-carbohydrazide: Spectral, XRD, molecular docking, antioxidant and antimicrobial studies.</i>	2017 Asian J. Research Chem, 2017	0974-4169
<b>20</b>	<i>Synthesis, characterization, spectral, thermal, molecular docking and biological studies of benzimidazol-2-ylmethyl-2-(pyridin-4-ylcarbonyl)hydrazine carbothioamide and their Co(II), Ni(II) and Cu(II) complexes.</i>	2017 Journal of Applied Chemistry (IOSR-JAC), 2017	2278-5736
<b>21</b>	<i>Synthesis, Characterization, XRD Studies, Molecular Docking and Biological Screening of N-phenyl-2-(pyridin-4-ylcarbonyl) Hydrazine Carboxamide and their 3D Metal Ion Complexes</i>	2017 Der Pharma Chemica, 2017	0975-413X

22	<i>Synthesis, Characterization, Molecular Docking, Thermal Degradation Studies and Biological Screening of N-{{2-(Pyridin-4-bonyl) hydrazinyl} carbonothioyl} furan-2-carboxamide and its Mn(II), Ni(II), Co(II), Cu(II) and Zn(II) Complexes</i>	Asian Journal of Chemistry, 2017	2177-2183
23	<i>Synthesis, Cytotoxicity, and Molecular Docking Study of Complexes Containing Thiazole Moiety</i>	Journal of the Turkish Chemical Society Section A: Chemistry. 2017	2149-0120
24	<i>Synthesis of (4-Bromo-3 Fluorophenyl) (Pyrimidin-5-yl)Methanol and their Transition Metal Complexes, Spectral, X-ray Powder Diffraction, Cytotoxicity, Molecular Docking, and Biological Evaluation</i>	Indian Journal of Advances in Chemical Science, 2017	2320-0898
25	<i>Metal Complexes of S-(5-chloro-1,3-benzoxazol-2-yl)thiophene-2-carbothioate: Spectral, XRD, Thermal, Molecular Docking and Biological Evaluation</i>	Journal of Chemistry and Chemical Sciences, 2017	2319-7625
26	<i>Metal Complexes of quinolin-8-yl (1, 3-benzoxazol-2-yl)sulfanyl) acetate: Spectral, XRD, thermal, molecular docking and biological evaluation</i>	Journal of Applied Chemistry (IOSR-JAC), 2017	2278-5736
27	<i>Synthesis, Characterization, Thermal Degradation Studies of Transition Metal Complexes of 5-Methoxy-5,6-Bis(3-Nitrophenyl)- 4, 5-Dihydro-1, 2, 4- Triazine – 3(2H)-Thione and Their Biological Activities.</i>	International Journal of Advanced Research in Chemical Science (IJARCS), 2017	2349-0403

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