

Curriculum Vitae

Dr. Prasanna D Shivaramu



Assistant Professor
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RESEARCH INTERESTS

- **Development of Nanomaterials for health and energy related application.**
- **Nanotags for targetted drug delivery and Nanocatalysis**
- **Development of growth factor inhibitors and Biomarkers for *in vivo* imaging application**
- **Design and Synthesis of heterocyclic molecules for Medicinal Applications .**

EDUCATION

- **Ph.D., in Chemistry from University of Mysore in March 2011 on the thesis entitled “**Synthesis and Identification of Novel Thiazole and Quinazoline Derivatives as Therapeutic Agents**”.**
- **Master of Science in Chemistry **FIRST CLASS** with **DISTINCTION** from University of Mysore, Mysore in the year 2005.**
- **Bachelor of Science (PCM) from University of Mysore, Mysore in the year 2003.**

AWARDS/FELLOWSHIPS

1. **Scientist of the Year -2020**, by **National Environmental Science Academy, New Delhi**.
2. **Gandhian Young Technological Innovation Award 2016** by **National Innovation Foundation**, New Delhi received at **Rashtrapathi Bhawan, New Delhi**.
3. **Best Poster Presentation award in** the International Conference held at **National Institute of Oceanography Dona Paula, Goa** during **7 - 8 August 2017**.
4. **Young Scientist Award and Seed Money** from **Vision Group on Science and Technology**, Government of Karnataka, in the year **2014-15**.
5. **Travel grant award** from **Department of Science and Technology, Government of India, New Delhi** to attend **2nd World Congress on Pharmaceutics & Novel Drug Delivery Systems** held at **San Francisco, California, USA** during **20-22 February, 2012**.
6. **Travel grant award** from the Organizing Committee to attend **6th International Conference on Structural Biology and Functional Genomics 2010** held on **6-8 December, 2010** at **National University of Singapore, Singapore**.
7. **Senior Research Fellowship (CSIR-SRF)** from **Council of Scientific and Industrial Research, India**, **October 2008**.
8. **University Post Graduate Junior Research Fellowship (UPG-JRF)** from **University of Mysore**, Mysore, India, **November 2006**.
9. **Subject Scholar Scholarship** from **University of Mysore**, Mysore, India during the year **2003-04**.

PROFESSIONAL EXPERIENCE

1. Assistant Professor (*Nanotechnology*) (Dec 2013 – To date)

Department of Nanotechnology, **Visvesvaraya Technological University**, Center for Post Graduate Studies, Bengaluru Region.

2. Assistant Professor (*Chemistry*) (August, 2011 – Dec 2013)

Postgraduate Department Chemistry, JSS College of Arts, Commerce and Science, Ooty Road, Mysore, India.

3. Assistant Professor (*Chemistry*) (July, 2011)

Department of Chemistry, Regional Institute of Education,, Mysore, India

4. Postdoctoral Research Associate (*Chemistry*) (March, 2011)

Department of Chemistry, National University of Singapore, Singapore.

5. Senior Research Fellow (*Chemistry*) (October, 2008 – February 2011)

Department of Studies in Chemistry, University of Mysore, Mysore, India.

6. Junior Research Fellow (*Chemistry*) (November, 2006- October, 2008)

Department of Studies in Chemistry, University of Mysore, Mysore, India.

7. Trainee Synthetic Chemist (June 2006 – September 2006)

Leonid Chemicals Ltd., Bangalore, India.

8. Trainee Scientist (July 2005– May 2006)

Jubilant Biosys Pvt. Ltd., Bangalore, (Mysore), India.

MEMBERSHIP IN ACADEMIC BODIES

1. Member, **Board of Examiners in Nanotechnology (PG 2021-2022)**, Visvesvaraya Technological University, Jnana Sangama, Belagavi.
2. Member, **Board of Examiners in Nanotechnology (PG 2020-2021)**, Visvesvaraya Technological University, Jnana Sangama, Belagavi.
3. Member, **Board of Examiners in Nanotechnology (PG 2019-2020)**, Visvesvaraya Technological University, Jnana Sangama, Belagavi.
4. Member, **Doctoral Advisory Committee**, Vellore Institute of Technology, Vellore
5. Member, **Doctoral Advisory Committee**, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal
6. Member, **Doctoral Committees** in the subject of Nanotechnology and Chemistry, Visvesvaraya Technological University, Jnana Sangama, Belagavi.
7. Member, **Board of Examiners in Nanotechnology (PG 2018-2019)**, Visvesvaraya Technological University, Jnana Sangama, Belagavi.
8. Member, **Board of Examiners in Nanotechnology (PG 2017-2018)**, Visvesvaraya Technological University, Jnana Sangama, Belagavi.
9. Member, **Board of Studies in Nanotechnology (PG 2016-2019)**, Visvesvaraya Technological University, Jnana Sangama, Belagavi.
10. Member, **Board of Studies in Chemistry (PG 2011-2013)**, JSS College of Arts, Commerce and Science, Ooty Road, Mysore - 570025.
11. Member (Nominated), **Academic Council (2013)**, JSS College of Arts, Commerce and Science, Ooty Road, Mysore - 570025.
12. Member, **Board of Studies in Chemistry (PG 2013)**, JSS College of Arts, Commerce and Science, Ooty Road, Mysore - 570025.

ORGANISING COMMITTEES

1. **Organizing Secretary, International Conference on Nano Engineering Science and Research Advances -2019 (NESARA-2019)**, held on 09 September, 2019 at Department of Nanotechnology, Visvesvaraya Technological University, Muddenahalli.
2. **Visiting Professor** to Institute of Multidisciplinary Research for Advanced Materials, **Tohoku University, Japan** during **February 2019** under DST-JSPS sponsored Indo-Japan Collaborative Research Project.
3. **Convener and Organizing Secretary, International Symposium on Nanomaterials-2018**, held on 22 September, 2018 at Department of Nanotechnology, Visvesvaraya Technological University, Muddenahalli.
4. **Organizing Co-Chair, International Conference on Advances in Science and Technology (ICASE-2017)**, held during 20-22 January, 2017 at **Bangkok, Thailand**.
5. **Organizing Secretary, International Conference on Nanotechnology (ICNano-2016)**, held during 21-23 April, 2016 at Department of Nanotechnology, Visvesvaraya Technological University, Muddenahalli.
6. **Organizing Secretary, International Symposium on Challenges in Drug Discovery Programme-2011**, held during 16-17 February, 2011 at **Karnataka State Open University, Mysore**.
7. **Coordinator, International Year of Chemistry-2011** programmes organized as a part of celebration of at **Mysore, Hassan, Chamarajanagar, Mandya and Madikeri** sponsored by VGST, Government of Karnataka, Bangalore during **October-December 2011**.
8. **Organizing Secretary**, UGC sponsored one day Workshop on **“Basic Techniques in Instrumental Methods”** held on 27 March 2013 at **JSS College of Arts, Commerce and Science, Ooty Road, Mysore - 570025**.

MEMBERSHIP IN ACADEMIC PROFESSIONAL SOCIETIES/ORGANISATIONS

1. Life Member, **Indian Science Congress Association.**
2. Life Member, **Indian Society for Technical Education.**
3. Life Member, **The Electrochemical Society of India.** (EC Member)
4. Life Member, **National Environmental Science Academy.**
5. Life Member, **Indian Ceramic Society.** (EC Member, Karnataka Chapter)
6. Life Member, **Indian Society of Analytical Scientists, Belagavi.** (Secretary)
7. Life Member, **Society for Technologically Advanced Materials, India.**

RESEARCH PROJECTS

1. Synthesis of near-infrared photo stable cyanine dyes (Rs. 4.00 lakhs) **Vision Group on Science and Technology**, Government of Karnataka 2014-15.
2. Development Novel Quinazolines As Anti-Tumor And Anti-Angiogenic Agents (Rs. 25.52 Lakhs) **SERB, Department of Science and Technology**, Government of India 2016-2019.
3. Supercritical Fluid Process Development for Next Generation (Magnesium/Sodium Ion) Battery Electrode Materials. **India-Japan Cooperative Science Program (IJSCP). DST-JSPS Joint Research Project for 2018. (Co-Investigator).**

M.Tech. THESIS GUIDED

1. **Mr. Pavan K**, Synthesis of Zinc Oxide Nanoparticles using Momordica charantia extract and their applications **(2021)**
2. **Ms. Yashaswini G**, Antimicrobial and Antioxidant Activity Study of MgFe₂O₄ Synthesized by Supercritical Fluid Process **(2020)**
3. **Mr. Ramachandra C**, Synthesis of Nickel Oxide, Cobalt oxide and Nickel Cobalt oxide nanoparticles and their applications **(2019)**
4. **Ms. Sowmya B**, Maytenus Emarginata plant extract mediated synthesis of silver/silver chloride nanoparticles and their application in detection of metal ions **(2019)**
5. **Ms. Madhuri S S**, Magnetic Substrate Supported ZnO and TiO₂ Nanoparticles for Photocatalytic Degradation of Methylene Blue **(2018)**
6. **Ms. Lakshmisourabha K J**, Synthesis of Zinc Oxide Nanoparticles using Origanum marjorana and Garcinia indica extracts and their biological activity studies **(2018)**
7. **Ms. Shylashree K N**, Biological activity studies of CuO nanoparticles synthesized using Phyllanthus Urinaria and Ocimum Bacillicum plant extracts **(2018)**
8. **Ms. Nanditha**, Development and characterization of single walled carbon nanotubes **(2016)**
9. **Ms. H. K. Pravallika**: Copper Oxide Nanoparticles incorporated Polyethersulfone (PES) membrane for Bovine Serum Albumin (BSA) protein separation **(2015)**
10. **Ms. V. S. Amrutha**: Photocatalytic, photoluminescence and electrochemical studies of green synthesized ZnFe₂O₄-RGO nano composite **(2015)**
11. **Ms. Ashabai Patil**: Synthesis of ZnO-CuO based Magnetic Nanocatalyst for Photocatalytic Application **(2015)**
12. **Mr. G. Vinay**: Self-Charging and Flexible Aqueous Power Cell **(2015)**
13. **Ms. M. Veenashree**: Corrosion behaviour of nanocrystalline nickel composite coatings **(2014)**
14. **Mr. T. P. Sachin Kumar**: Simulation of Reversible logic gates using Quantum-dot Cellular Automata **(2014)**
15. **Ms. Priyadarshini Dharwadkar**: Graphene Nano Composite Based Strain Sensors **(2014)**

RESEARCH PUBLICATIONS

1. Ravi Mudike, Chetana Sabbanahalli, Jagadeesh Babu Sriramoju, Amarnath Bheemaraju, Guddappa Halligudra, Murthy Muniyappa, Manikanta P. Narayanaswamy, Ananda Kumar CS, **Prasanna D Shivaramu**, Dinesh Rangappa, Copper zinc tin sulfide and multi-walled carbon nanotubes nanocomposite for visible-light-driven photocatalytic applications,
Materials Research Bulletin, **2022**, 146, 111606.
<https://doi.org/10.1016/j.materresbull.2021.111606>
2. Guddappa Halligudra, Chitrabanu C Paramesh, Ravi Mudike, Mallesha Ningegowda, Dinesh Rangappa, Prasanna D Shivaramu. Pd^{II} on Guanidine-Functionalized Fe₃O₄ Nanoparticles as an Efficient Heterogeneous Catalyst for Suzuki–Miyaura Cross-Coupling and Reduction of Nitroarenes in Aqueous Media.
ACS Omega, **2021**, 6, 50, 34416-34428.
3. Amulya Giridasappa, Shareef M Ismail, Dinesh Rangappa, Gopinath S. M., Navya Rani M, Shiva Sankar Reddy Gollapalli, **Prasanna D. Shivaramu***. Antioxidant, antiproliferative and antihemolytic properties of phytofabricated silver nanoparticles using Simarouba glauca and Celastrus paniculatus extracts.
Applied Nanoscience **2021**, 11, 2561-2576.
<https://doi.org/10.1007/s13204-021-02084-z>
4. Mahesh Shastri, Jagadeesh Babu Sriramoju, Murthy Muniyappa, Manjunath Shetty, Vinay Gangaraju, Muralidhar Sindhu Sree, Navyarani Marlingaiah, Hiroaki Kobayashi, Takaaki Tomai, Itaru Honma, **Prasanna D Shivaramu**, SV Lokesh, Dinesh Rangappa. Silk cocoon derived carbon and sulfur nanosheets as cathode material for Li-S battery application.
Emergent Materials **2021**, 4, 1329-1337.
<https://doi.org/10.1007/s42247-021-00218-1>
5. Manjunath Shetty, Karnan Manickavasakam, Nagendra Kulal, **Prasanna D Shivaramu**, M Navya Rani, Mahesh Shastri, M Murthy, S Jagadeesh Babu, Ganapathi V Shanbhag, Marappan Sathish, Dinesh Rangappa. Bismuth oxycarbonate Nanoplates@ α -Ni(OH)₂ nanosheets 2D plate-on-sheet heterostructure as electrode for high-performance supercapacitor.
Journal of Alloys and Compound **2021**, 860, 158495.
<https://doi.org/10.1016/j.jallcom.2020.158495>

6. H Alrobei, MK Prashanth, CR Manjunatha, CB Pradeep Kumar, CP Chitrabanu, **Prasanna D Shivaramu**, K Yogesh Kumar, MS Raghu. Adsorption of anionic dye on eco-friendly synthesised reduced graphene oxide anchored with lanthanum aluminate: Isotherms, kinetics and statistical error analysis.
Ceramics International **2021**, 47, 10322-10331.
<https://doi.org/10.1016/j.ceramint.2020.07.251>
7. Chitrabanu C Paramesh, Guddappa Halligudra, Vinay Gangaraju, Mahesh Shastri, KB Harsha, HD Preetham, Dinesh Rangappa, Kanchugarakoppal S Rangappa, **Prasanna D Shivaramu**. Silver nanoparticles synthesized using saponin extract of Simarouba glauca oil seed meal as effective, recoverable and reusable catalyst for reduction of organic dyes
Results in Surfaces and Interfaces **2021**, 3, 100005.
<https://doi.org/10.1016/j.rsurfi.2021.100005>
8. Amulya Giridasappa, Dinesh Rangappa, Gopinath Shanubhoganahalli Maheswarappa, Navya Rani Marilingaiah, Chandrashekara Kagepura Thammaiah, Ismail M Shareef, Rangappa Kanchugarakoppal Subbegowda, **Prasanna Doddakunche Shivaramu***. Phytofabrication of cupric oxide nanoparticles using Simarouba glauca and Celastrus paniculatus extracts and their enhanced apoptotic inducing and anticancer effects
Applied Nanoscience **2021**, 11, 1393-1409.
<https://doi.org/10.1007/s13204-021-01753-3>
9. **Prasanna D Shivaramu**, Sushil K Singh, Dinesh Rangappa. Materials for Environment, Sustainable Society And Global Empowerment (MESSAGE).
Ceramics International **2021**, 47, 10205.
<https://doi.org/10.1016/j.ceramint.2021.01.059>
10. Manjunath Shetty, Christian Schüßler, Mahesh Shastri, Chethan Sabbanahalli, CP Chitrabhanu, M Murthy, S Jagadeesh Babu, Takaaki Tomai, KS Anantharaju, **Prasanna D Shivaramu**, Dinesh Rangappa. One-pot supercritical water synthesis of Bi₂MoO₆-RGO 2D heterostructure as anodes for Li-ion batteries.
Ceramics International **2021**, 47, 10274-10283.
<https://doi.org/10.1016/j.ceramint.2020.12.061>

11. Annappa A R, Basavarajappa S, **Prasanna D Shivaramu**. Spectral characterization of morphological structure of organomodified montmorillonite clay-based epoxy nanocomposite.
International Journal of Polymer Analysis and Characterization **2021**, 26, 471-485.
<https://doi.org/10.1080/1023666X.2021.1908031>
12. Chitrabanu C Paramesh, Guddappa Halligudra, Murthy Muniyappa, Manjunath Shetty, Kiran K Somashekharappa, Dinesh Rangappa, Kanchugarakoppal S Rangappa, **Prasanna D Shivaramu***. Silver nanoparticles anchored TiO₂ nanotubes prepared using saponin extract as heterogeneous and recyclable catalysts for reduction of dyes.
Ceramics International **2021**, 47, 14750-14759.
<https://doi.org/10.1016/j.ceramint.2020.11.173>.
13. Vijaya V Shanbhag, SC Prashantha, TR Shashi Shekhar, H Nagabhushana, Ramachandra Naik, KM Girish, S Ashwini, Dinesh Rangappa, **DS Prasanna**. Enhanced photoluminescence of SiO₂ coated CaTiO₃: Dy³⁺, Li⁺ nanophosphors for white light emitting diodes.
Ceramics International **2021**, 47, 10346-10354.
<https://doi.org/10.1016/j.ceramint.2020.11.077>
14. Mahesh Shastri, Manjunath Shetty, Murthy Muniyappa, Muralidhar Sindhu Sree, Vinay Gangaraju, Chethan Sabanhalli, SV Lokesh, **Prasanna D Shivaramu**, Dinesh Rangappa. Reduced graphene oxide wrapped sulfur nanocomposite as cathode material for lithium sulfur battery.
Ceramics International **2021**, 10, 14790-14797.
<https://doi.org/10.1016/j.ceramint.2020.10.215>
15. S Jagadeesh Babu, V Navakoteswara Rao, Dharmapura HK Murthy, Mahesh Shastri, M Murthy, Manjunath Shetty, KS Anantha Raju, **Prasanna D Shivaramu**, CS Ananda Kumar, MV Shankar, Dinesh Rangappa. Significantly enhanced cocatalyst-free H₂ evolution from defect-engineered Brown TiO₂.
Ceramics International **2021**, 10, 14821-14828.
<https://doi.org/10.1016/j.ceramint.2020.10.026>

16. Vinaya Kambappa, Chandrashekara Ganganahalli Kotturappa, Raghavendra Sheshachar Manjunath, **Prasanna Doddakunche Shivaramu**. Biginelli-type reaction: Efficient synthesis of 5-unsubstituted 3, 4-dihydropyrimidin-2-ones and thiones from gem-dibromomethylarenes.
Journal of Heterocyclic Chemistry **2020**, *57*, 3475-3482.
<https://doi.org/10.1002/jhet.4066>
17. V. S. Amrutha, K. S. Anantharaju, **D. S. Prasanna**, Dinesh Rangappa, Krushitha Shetty, H. Nagabhushana, K. Ashwini, Y. S. Vidya, G. P. Darshan. Enhanced Sunlight driven photocatalytic performance and visualization of latent fingerprint by green mediated ZnFe₂O₄-RGO nanocomposite
Arabian Journal of Chemistry **2020**, *13*, 1449-1465.
<https://doi.org/10.1016/j.arabjc.2017.11.016>
18. Manjunath Shetty, Murthy M, Mahesh Shastri, Sindhusree M, Nagaswaruma H. P., **Prasanna D. S**, Dinesh Rangappa. Hydrothermally synthesized Bi₂MoO₆/Reduced Graphene Oxide composites as anodes for lithium-ion batteries.
Ceramics International **2019**, *45*, 24965-24970.
<https://doi.org/10.1016/j.ceramint.2019.09.214>
19. K. Vinaya, G. K. Chandrashekara, **D. S. Prasanna**. One pot synthesis of 3,5-diaryl substituted-1,2,4-oxadiazoles using *gem*-dibromomethylarenes.
Canadian Journal of Chemistry **2019**, *97* (9), 690-696.
<https://doi.org/10.1139/cjc-2018-0333>
20. K. .P Rakesh, N. Darshini, H. M. Manukumar, H. K. Vivek, **D. S. Prasanna***, N. Mallesha. Xanthone Conjugated Amino Acids As Potential Anticancer And DNA Binding Agents: Molecular Docking, Cytotoxicity And SAR Studies.
Anti-cancer Agents in Medicinal Chemistry **2018**, *18* (15), 2169-2177.
<https://doi.org/10.2174/1871520618666180903105256>
<https://doi.org/10.1016/j.arabjc.2017.11.016>
21. K. Vinaya, **D. S. Prasanna**, G. K. Chandrashekara, S. Chandrappa, K. S. Rangappa. T3P®-DMSO Mediated One-pot Tandem Approach for the Synthesis of 3, 4-Dihydropyrimidin-2 (1H)-ones/thiones from Alcohols.
Letters in Organic Chemistry **2018**, *15* (4), 241-245.
<https://doi.org/10.2174/1570178614666170720115044>

22. **D. S. Prasanna**, Asha Patil, M. Murthy, Suresh Tubaki, Mahesh Shastri, S. Manjunath, G. Vinay, Dinesh Rangappa. Magnetic substrate supported ZnO-CuO nanocomposite as reusable photo catalyst for the degradation of organic dye.
***Materials Today: Proceedings* 2018**, 4 (11), 12314-12320.
<https://doi.org/10.1016/j.matpr.2017.09.165>
23. T. Venkatesh, K.R. Vishnu Mahesh, M. Mylarappa, D.M.K. Siddeswara, N. Raghavendra, M.S. Shiva Kumar, Dinesh Rangappa, **D. S. Prasanna**. Facile Synthesis and Characterization of MnO₂/Graphene/Multi Walled Carbon Nanotube Nanostructured Ternary Composite: An Advance Material for Environmental and Biological Applications
***Materials Today: Proceedings* 2018**, 4 (11), 11915-11922.
<https://doi.org/10.1016/j.matpr.2017.09.112>
24. H. Mahesh, V. V. Supriya, C. V. Kavitha, H. Ananda, **D. S. Prasanna**, G. Vidya, Bibha Choudhary, K. S. Rangappa, S. C. Raghavan. A Benzothiazole Derivative (5g) Induces DNA Damage And Potent G₂/M Arrest In Cancer Cells.
***Scientific Reports* 2017**, 7, 2533.
<https://doi.org/10.1038/s41598-017-02489-3>
25. K. Vinaya, G. K. Chandrashekhara, N. D. Rekha, D. S. Prasanna, Komaraiah Palle. Synthesis, anti-angiogenic and DNA cleavage studies of novel *N*-(4-methyl-3-((4-(pyridin-3-yl)pyrimidin-2-yl)amino)phenyl)piperidine-4-carboxamide derivatives.
***Chemistry Central Journal* 2017**, 11 (1), 122.
<https://doi.org/10.1186/s13065-017-0354-5>
26. S. D. Preethi, K. S. Balaji, **D. S. Prasanna**, T. R. Swaroop, J. Shankar, S. Lokesh, K. S. Rangappa. Synthesis, Characterization of 4-Anilino-6,7-Dimethoxy Quinazoline Derivatives as Potential Anti-Angiogenic Agents.
***Anti-Cancer Agents in Medicinal Chemistry* 2018**, 17(14):1931-1941.
<https://doi.org/10.2174/1871521409666170412120837>
27. S. D. Preethi, H. Vivek, K. S. Balaji, **D. S. Prasanna**, T. R. Swaroop, J. Shankar, S. Lokesh, K. S. Rangappa. Synthesis, characterisation and molecular docking studies of anilinoquinazoline derivatives.
***International Journal of Current Research* 2017**, 09, 46509-46517.
<http://www.journalcra.com/sites/default/files/issue-pdf/20779.pdf>

28. S. D. Preethi, K. S. Balaji, **D. S. Prasanna**, T. R. Swaroop, J. Shankar, S. Lokesh, K. S. Rangappa. Pro-Apoptotic Activity of Novel 4-Anilinoquinazoline Derivatives Mediated by Up-Regulation of Bax and Activation of Poly(ADP-ribose) Phosphatase in Ehrlich Ascites Carcinoma Cells.
Asian Journal of Chemistry **2017**, *29*, 896-904.
<https://doi.org/10.14233/ajchem.2017.20356>
29. B. Krishnamurthy, K. Vinaya, D. Rakshith, , **D. S. Prasanna**, K. S. Rangappa. Synthesis of 3-(2-chloroethyl)-2-methyl-6,7,8,9-tetrahydro-4h-pyrido[1,2-a]pyrimidin-4-one derivatives as antibacterial agents.
Medicinal Chemistry **2013**, *9(2)*, 240-248.
<https://doi.org/10.2174/1573406411309020008>
30. S. Chandrappa, T. S. R. Prasanna, K. Vinaya, **D. S. Prasanna**, K. S. Rangappa. PCC-promoted dehydration of aldoximes: a convenient access to aromatic, heteroaromatic and aliphatic nitriles.
Synthetic Communications **2013**, *43(20)*, 2756-2762.
<https://doi.org/10.1080/00397911.2012.738459>
31. S. Balaji, **D. S. Prasanna**, K. S. Rangappa. Docking, QSAR and CoMFA studies on arecoline analogues as muscarinic acetylcholine receptor (mAChR) M1 agonists.
Proceedings of Indian National Science Academy **2013**, *79(1)*, 41-50.
<http://eprints.manipal.edu/140616/1/9%5B1%5D.pdf>
32. Basappa, M. P. Sadashiva, S. Nanjundaswamy, Gautam Sethi, Manoj Aryan, Feng Li, S. Murugan, **D. S. Prasanna**, K. Sugahara, K. S. Rangappa. Anti-cancer activity of novel dibenzo[b,f]azepine tethered isoxazoline derivatives.
BMC Chemical Biology **2012**, *12-5*.
<https://dx.doi.org/10.1186%2F1472-6769-12-5>
33. K. Vinaya, C. V. Kavitha, **D. S. Prasanna**, S. Chandrappa, C. S. Ananda Kumar, S. R. Ranganatha, Sathees C. Raghavan, K. S. Rangappa. Synthesis and antileukemic activity of novel substituted benzophenone derivatives.
Chemical Biology and Drug Design **2012**, *79*, 360-367.
<https://doi.org/10.1111/j.1747-0285.2011.01307.x>

34. K. Vinaya, C. V. Kavitha, C. S. Ananda Kumar, **D. S. Prasanna**, S. Chandrappa, S. B. Benaka Prasad, S. C. Raghavan, K. S. Rangappa. Synthesis and antileukemic activity of novel 4-(3-(piperidin-4-yl)propyl)piperidine derivatives.
***Chemical Biology and Drug Design* 2011, 78, 622–630.**
<https://doi.org/10.1111/j.1747-0285.2011.01184.x>
35. H. Raju, H. Ananda, S. Chandrappa, **D. S. Prasanna**, H. Ananda, T.S.Nagamani, S. M. Byregowda, K. S. Rangappa. Synthesis, characterization and *in-vitro* antiproliferative activity of novel 1-(4-methoxybenzyl)-3-cyclopropyl-1*H*-pyrazol-5-amine derivatives against breast cancer cell lines.
***Recent Patents on Anti-Cancer Drug Discovery* 2011, 6, 186-195.**
<https://doi.org/10.2174/157489211795328459>
36. Simin Teimoori, Kuppusamy Panjamurthy, K. Vinaya, **D. S. Prasanna**, Khyati Batelia, Sathees C. Raghavan, K S. Rangappa. Synthesis and antiproliferative activity of novel homopiperazine derivatives in leukemia cells.
***Chemistry and Biology Interface* 2011, 1(1), 59-67.**
<http://cbijournal.com/images/paper-archive/august-2011-vol-1/Research-Paper-3.pdf>
37. Simin Teimoori, K. Panjamurthy, K. Vinaya, **D. S. Prasanna**, Sathees C. Raghavan, K. S. Rangappa. Synthesis and biological evaluation of novel homopiperazine derivatives as anticancer agents.
***Journal of Cancer Therapy* 2011, 2, 507-514.**
<https://www.scirp.org/journal/PaperDownload.aspx?paperID=7793>
38. B. Krishnamurthy, K. Vinaya, **D. S. Prasanna**, B. Raghava, K. S. Rangappa. Synthesis of 2-methyl-3-(2-(piperazin-1-yl)ethyl)-6,7,8,9-tetrahydro-4*H*-pyrido[1,2-*a*]pyrimidin-4-one derivatives as antimicrobial agents.
***Letters in Drug Design and Discovery* 2011, 8(10), 988-995.**
<https://doi.org/10.2174/157018011797655304>
39. S. Chandrappa, K. Vinaya, **D. S. Prasanna**, K. S. Rangappa. Mild and highly efficient method for the synthesis of arylidenethiazolidinone analogues.
***Proceedings of the Indian National Science Academy* 2011, 77, 343-349.**
https://www.insa.nic.in/writereaddata/UploadedFiles/PINSA/Vol77_2011_4_Art06_343_349.pdf

40. B. Krishnamurthy, M. K. Ramakrishna, K. Vinaya, **D. S. Prasanna**, S. Ramesh, K. S. Rangappa. Synthesis and anti-angiogenic effects of 2-amino-6-ethoxy benzothiazole thiourea derivatives on Ehrlich Ascites Tumor cells *in-vivo*.
***Journal of Pharmacy Research* 2011, 4(12), 4369-4373.**
41. S. Chandrappa, K. Vinaya, B. M. Srikanta, C. S. Ananda Kumar, **D. S. Prasanna**, N. R. Thimmegowda, Shylaja M. Dharmesh and K. S. Rangappa. Inhibition of Gastric H⁺, K⁺-ATPase by novel thiazolidinone derivatives.
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