CURRICULUM VITAE

Dr. KRISHNA MURTHY POTLA Ph.D, S.E.T.
TEACHER ASSOCIATESHIP FOR RESEARCH EXCELLENCE (TARE), IIT BHUBANESWAR
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EDUCATIONAL QUALIFICATION

- Ph.D (Chemistry) from Department of Chemistry, Sri Venkateswara University (CAMPUS), Tirupati, A.P. in 2014.
- Qualified in S.E.T. in 2012.
- M.Sc. (Analytical Chemistry) from Department of Chemistry, Sri Venkateswara University (CAMPUS), Tirupati, A.P. in 2009.

INDUSTRIAL & TEACHING EXPERIENCE

- Working as Assistant Professor for Bapatla Engineering College (Autonomous), Baptla from 17th August, 2015 to still date.
- Worked as a Research Chemist for TCG Life Sciences (Chembiotek), Kolkata from 7th July, 2014 to 14th August, 2015.

AWARDS & FELLOWSHIPS

- I have received "**YOUNG SCIENTIST AWARD-2020**" from Andhra Pradesh Akademi of Sciences, Amaravathi for outstanding contributions in the field of Chemical Sciences
- I have received "**TEACHERS ASSOCIATESHIP FOR RESEARCH EXCELLENCE (TARE)**" award from Science and Engineering Research Board, New Delhi.

RESEARCH PROJECTS (Total amount: 19,90,000/- Nineteen Lakh Ninety Thousand)

- **Title:** Design and synthesis of cocrystals/salts of anticancer drugs to improve physicochemical and pharmacokinetic properties: crystal engineering approach.
  Principal Investigator: Dr. Krishna Murthy Potla
  Mentor: Prof. V. R. Pedireddi
  Mentor Institute: Indian Institute of Technology Bhubaneswar.
  Funding agency: Science and Engineering Research Board (SERB), New Delhi
  Scheme: Teachers Associateship for Research Excellence (TARE)
  Status: Ongoing (2022-2024)
  Cost: 18,30,000/-
- **Title:** Scaffolds, library synthesis of [4.5/5.6] novel anticancer spiro compounds: a study of theoretical, docking andcrystallography applications
  Funding agency: University Grants Commission-South Eastern Regional Office (UGC-SERO)
  Cost: 1,60,000/-
  Status: Completed
  Year: 2017-18

RESEARCH SUPERVISION

- Project Work for M.Sc. students: 81 (completed)

SEMINAR & WORKSHOP ORGANIZED

- ★ **Co-convener:** A One Day International Seminar on "**Emerging Trends in Chemistry and It's Allied Sciences**" organized jointly by The Bapatla College of Arts & Sciences and Royal Society of Chemistry (London, UK)-Local Section Deccan (RSC-LSD), India on 23rd, December, 2019.
- ★ **Convener**: A Two Day National Symposium on **"Challenges and Opportunities in Chemistry"** organized by Bapatla Engineering College, Bapatla College of Arts & Sciences in association with Royal Society of Chemistry, London on 29th-30th, November, 2018.

HONOURS

- ★ Honored as Associate Fellow of AP Academi of Sciences, AP, INDIA in 2020.
- ★ Reviewer for ACS OMEGA.
- ★ Reviewer for Journal of Molecular Liquids.
- ★ Reviewer for Journal of Non-Crystalline solids Elsevier.
- ★ Reviewer for Journal of Molecular Structure
- ★ Reviewer for ChemistrySelect, Wiley Online Library.
- ★ Reviewer for Crystal Research & Technology
- ★ Reviewer for Colombian Journal of Chemistry.
- ★ Reviewer for Acta Chimica Slovenica.

MEMBERSHIP OF ASSOCIATIONS

- ★ American Chemical Society: Member, Membership Number: 31976875.
- ★ Elected as Committee Member for Royal Society of Chemistry (London, UK) – Local Section Deccan (India).
- ★ Royal Society of Chemistry: Member (MRSC), Membership Number: 671998.
- ★ Honored as Associate Fellow of AP Academi of Sciences, A.P., INDIA in 2020.

AREAS OF RESEARCH INTEREST

- ★ Crystal Engineering
- ★ Repurposing of drugs.

ACHIVEMENTS

- ★ APSET-2012.
- ★ Top five in SVU-RECET 2009.
- ★ 53rd Rank in SVU-PGCET 2007.

ADMINISTRATIVE EXPERIENCE

- NBA Coordinator
- IQAC Coordinator
- Member in website coordinator
- Member in R&D Research Committee
- Class Co-coordinator & Mentor (1/4-B.Tech, ECE-B)

SUBJECTS TAUGHT at UG and PG LEVEL

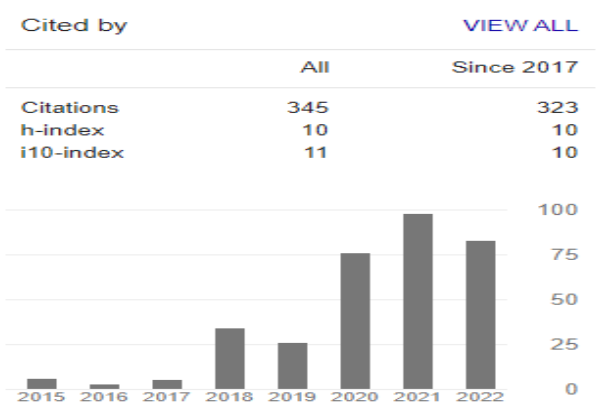
- Engineering Chemistry (B.Tech),
- Instrumentation & Nanotechnology (B.Tech)
- Classical Methods of Analysis (M.Sc. Analytical Chemistry)
- Separation & Electro analytical Techniques (M.Sc. Analytical Chemistry)
- General Chemistry (M.Sc. Chemistry).

STRENGTHS & SKILLS

- ➢ Instrument handled: **SCXRD, PXRD, FT-IR, UV-Visible, Spectrophotometer,** and **Colorimetry.**
- ➢ Computational Studies: **APEX3, Olex2, Platron, Diamond, Gaussian09W, Multiwfn software,** and **CrystalExplorer.**

PUBLICATIONS

Patent Grants: 04
SCI Publications: 23
Toal Imapct Factor: 79.81
Scopus: 19
Total publications: 42



1. Nuthalapati Poojith, K. Madhu Prasad, J. John Rosec, **Krishna Murthy Potla***, Suneetha Vankayalapati, Sampath Chinname, Suchetan Parameshwar Adimoole, Renjith Raveendran Pillai, Structural, spectroscopic, and in silico studies of 3-(dimethylamino)-1-(thiophen-2-yl)propan-1-ol: A potential anti-depressant agent, **Journal of Molecular Structure** 1250 (2022) 131859.
   DOI: 10.1016/j.molstruc.2021.131859, Publisher: Elsevier. **Impact Factor: 3.841**. Indexed: Clarivate Analytics (Thomson Reuters), SCI, Scopus.
2. Nuthalapati Poojith, Nannapaneni Usha Rani, **Krishna Murthy Potla***, J. John Rose, P.A. Suchetan, Renjith Raveendran Pillai, Suneetha Vankayalapati, An analysis of structural, spectroscopic, quantum chemical and In silico studies of ethyl 3-[(pyridin-2-yl)amino]propanoate: A potential thrombin inhibitor, **Journal of Molecular Structure** 1226 (2021) 129378.
   DOI: 10.1016/j.molstruc.2020.129378. Publisher: Elsevier. **Impact Factor: 3.841**. Indexed: Clarivate Analytics (Thomson Reuters), SCI, Scopus.
3. Nuthalapati Poojith, **Krishna Murthy Potla***, Francisco A. P. Osório, Clodoaldo Valverde, Suneetha Vankayalapati, P.A. Suchetan, M. Raja, Y-shaped potential third order nonlinear optical material - 3-(2-amino-2-oxoethyl)-5-methylhexanoic acid: An analysis of structural, spectroscopic and docking studies, **New Journal of Chemistry** (RSC publication) 44 (2020) 18185.
   DOI: 10.1039/D0NJ02658A. Publisher: Elsevier. **Impact Factor: 3.925**. Indexed: Clarivate Analytics (Thomson Reuters), SCI, Scopus.
4. Ravindra M Hegde, Richelle M Rego, **Krishna Murthy Potla**, Mahaveer D Kurkuri, Bio-inspired materials for defluoridation of water: A review, **Chemosphere** 253 (2020) 126657.
   DOI:10.1016/j.chemosphere.2020.126657. Publisher: Elsevier, **Impact Factor: 8.943** Indexed: Clarivate Analytics (Thomson Reuters), SCI, Scopus
5. **Krishna Murthy Potla***, Nuthalapati Poojith, Francisco A.P. Osorio, Clodoaldo Valverde, Sampath Chinnam, P.A. Suchetan, Suneetha Vankayalapati, An analysis of spectroscopic, computational and biological activity studies of L-shaped sulfamoylbenzoic acid derivatives: A third order nonlinear optical material, **Journal of Molecular Structure** 1210 (2020) 128070.
   DOI: 10.1016/j.molstruc.2020.128070. Publisher: Elsevier. **Impact Factor: 3.841**. Indexed: Clarivate Analytics (Thomson Reuters), SCI, Scopus
6. Ch. Kavitha, K. Narendra, A. Ratnakar, Nuthalapati Poojith, C. Sampath, Subrata Banik, P.A. Suchetan, **P. Krishna Murthy***, Nuthalapati Venkatasubba Naidu, An

analysis of structural, spectroscopic signatures, reactivity and anti-bacterial study of synthetized 4-chloro-3-sulfamoylbenzoic acid, **Journal of Molecular Structure** 1202 (2020) 127176.
DOI: 10.1016/j.molstruc.2019.127176. Publisher: Elsevier. **Impact Factor: 3.841**. Indexed: Clarivate Analytics (Thomson Reuters), SCI, Scopus.

7. **P. Krishna Murthy***, Clodoaldo Valverde, V. Suneetha, Stevan Armaković, Sanja J. Armaković, N. Usha Rani, N. Venkatasubba Naidu, An analysis of structural and spectroscopic signatures, the reactivity study of synthetized 4,6-dichloro-2-(methylsulfonyl)pyrimidine: A potential third-order nonlinear optical material, **Journal of Molecular Structure** 1186 (2019) 263-275.
DOI: 10.1016/j.molstruc.2019.03.021. Publisher: Elsevier. **Impact Factor: 3.841**.
Indexed: Clarivate Analytics (Thomson Reuters), SCI, Scopus.
8. **P. Krishna Murthy**, V. Suneetha, Smitha. M, Y. Sheena Mary, Stevan Armaković, Sanja J. Armaković, R. Sreenivasa Rao, P.A. Suchetan, Abdulaziz A Al-Saadi, Rani Pavithran, Synthesis, characterisation and reactivity study of 1,7-bis(4-bromophenyl)heptane-1,7-dione, **Journal of Molecular Structure** 1175 (2019) 269-279.
DOI: 10.1016/j.molstruc.2018.08.003. Publisher: Elsevier. **Impact Factor: 3.841.**
Indexed: Clarivate Analytics (Thomson Reuters), SCI, Scopus
9. **Krishna Murthy Potla**, Sampath Chinnam, Poojith Nuthalapati, Usha Rani Nannapaneni, Suneetha Vankayalapati, Venkatasubba Naidu Nuthalapati, An analysis of spectroscopic signatures, DFT calculations and anti-bacterial activity of newly synthesized Cu(II) and Pd(II) complexes of 2-aminoquinolin-8-ol and 2-(naphthalen-1-ylmethyl)- 4,5-dihydro-1*H*-imidazole, **Journal of Indian Chemical Society**, 96 (2019) 1-8.
Impact Factor: 0.24. Indexed: Clarivate Analytics (Thomson Reuters), SCI, Scopus
10. **P. Krishna Murthy**, G. Krishna Swamy, Stevan Armaković, Sanja J. Armaković, P.A. Suchetan, Nivedita R Desai, V. Suneetha, R. Sreenivasa Rao, G. Bhargavi, D. B. Aruna Kumar, Structural and spectroscopic characterization, reactivity study and charge transfer analysis of the newly synthetized 2-(6-hydroxy-1-benzofuran-3-yl) acetic acid, **Journal of Molecular Structure** 1162 (2018) 81-95.
DOI: 10.1016/j.molstruc.2018.02.081. Publisher: Elsevier. **Impact Factor: 3.841**.
Indexed: Clarivate Analytics (Thomson Reuters), SCI, Scopus
11. S.G. Prasanna Kumar, R. Harikrishna, Nagaraju Kottam, **P. Krishna Muthy**, C. Manjunath, R. Preetham, C. Sivakumara, Tiju Thomos, Understanding the photoluminescence behaviour in nano $CaZrO_3:Eu^{+3}$ pigments by Judd-Ofelt intensity parameters, **Dyes and Pigments** 150 (2018) 306-314
DOI: 10.1016/j.dyepig.2017.12.022. Publisher: Elsevier, **Impact Factor: 5.122.**
Indexed: Clarivate Analytics (Thomson Reuters), SCI, Scopus
12. **P. Krishna Murthy**, V. Suneetha, Stevan Armaković, Sanja J. Armaković, C.Van Alsenoy, P.A. Suchetan, R. Sreenivasa Rao, Synthesis, characterization and computational study of the newly synthetized sulfonamide molecule, **Journal of Molecular Structure** 1153 (2018) 212-229.
DOI: 10.1016/j.molstruc.2017.10.028. Publisher: Elsevier. **Impact Factor: 3.841.**
Indexed: Clarivate Analytics (Thomson Reuters), SCI, Scopus
13. Ch. Prasad, **P. Krishna Murthy**, R. Hari Krishna, R. Sreenivasa Rao, V. Suneetha, P. Venkateswarlu, Bioinspired green synthesis of RGO/Fe_3O_4 magnetic nanoparticles using Murraya koenigii leaves extract and its application for removal of Pb(II) from aqueous solution, **Journal of Environmental Chemical Engineering** 5 (2017) 4374-4380.

DOI: 10.1016/j.jece.2017.07.026. Publisher: Elsevier. **Impact Factor: 7.968.**
Indexed: Clarivate Analytics (Thomson Reuters), SCI, Scopus

14. **P. Krishna Murthy**, M. Smitha, Y. Sheena Mary, Stevan Armaković, Sanja J. Armaković, R. Sreenivasa Rao, P.A. Suchetan, L. Giri, C. Van Alsenoy,, Supramolecular architecture of 5-bromo-7-methoxy-1-methyl-1H-benzoimidazole.3H_2O: Synthesis, spectroscopic investigations, DFT computation, MD simulations and Docking studies, **Journal of Molecular Structure** 1149 (2017) 602-612.
DOI: 10.1016/j.molstruc.2017.08.038. Publisher: Elsevier. **Impact Factor: 3.841**.
Indexed in: Clarivate Analytics (Thomson Reuters), SCI, Scopus
15. **P. Krishna Murthy**, Y. Sheena Mary, V. Suneetha, C.Y. Panicker, Stevan Armaković, Sanja J. Armaković, L. Giri, P.A. Suchetan, C. Van Alsenoy, Towards the new heterocyclic based pharmaceutical molecule: synthesis, characterization and reactivity study, **Journal of Molecular Structure** 1137 (2017) 589-605.
DOI: 10.1016/j.molstruc.2017.02.071. Publisher: Elsevier. **Impact Factor: 3.841.**
Indexed in: Clarivate Analytics (Thomson Reuters), SCI, Scopus
16. **P. Krishna Murthy**, Y. Sheena Mary, Y. Shyma Mary, C.Y. Panicker, V. Suneetha, Stevan Armaković, Sanja J. Armaković, C.Van Alsenoy, P.A. Suchetan, Synthesis, crystal structure analysis, spectral investigations, DFT computations and molecular dynamics and docking study of 4-benzyl-5-oxomorpholine-3-carbamide, a potential bioactive agent, **Journal of Molecular Structure** 1134 (2017) 25-39.
DOI: 10.1016/j.molstruc.2016.12.037. Publisher: Elsevier. **Impact Factor: 3.841**.
Indexed in: Clarivate Analytics (Thomson Reuters), SCI, Scopus
17. G. Krishnaswamy, **P. Krishna Murthy,** P.A. Suchetan, Nivedita R Desai, D.B. Aruna kumar, R. Sreenivasa Rao, Synthesis, Crystal structure and DFT Calculations of 4-(1-benzofuran-2-yl)-2-methyl-6-phenylpyrimidine derivatives, **Chemical Data Collections** 9-10 (2017) 143-151.
Indexed: Scopus, Cite score: 3.1
18. Rachael Natash Mary, Ronald Nazareth, Parameshwar Adimule Suchetan, **Krishna Murthy Potla**, Schiff Bases derived from Triazoles as Corrosion Inhibitors for Maraging Steel in Acid Mixtures: Experimental and Theoretical studies, **Polycyclic Aromatic Compounds** (Accepted for publication).
DOI: 10.1080/10406638.2022.2055582, Publisher: Taylor & Francis. **Impact Factor: 3.774.** Indexed: Clarivate Analytics (Thomson Reuters), SCI, Scopus.
19. V. A. Varahi Vedam, Poojith Nuthalapati, Mohan Krishna Ghanta, Darling Chellathai David, M. Vijayalakshmi, **Krishna Murthy Potla**, Y. Sheena Mary, Antiproliferative Effects of Olanzapine against MCF-7 Cells and Its Molecular Interactions with Survivin, **International Journal of Nutrition, Pharmacology, Neurological Diseases**, 12 (2) (2022) 72-78.
DOI: DOI:10.4103/ijnpnd.ijnpnd_82_21. Indexed: Scopus.
20. Munichandra Reddy Sivala, Venkataramaiah Chintha, **Krishna Murthy Potla**, Nagaraju Kerru, Sivakoteswararao Chinnam, Subba Rao Devineni, Titinchi Salam J. J.,Sampath Chinnam, Naga Raju Chamarthi, Design and synthesis of novel 1,3,2-benzoxazaphosphinine-2-one derivatives: an in vitro biological evaluation and in silico approaches, **Phosphorus, Sulfur, and Silicon and the Related Elements** 196(6) (2021) 548-558.
DOI: 10.1080/10426507.2020.1871346. Publisher: Taylor & Francis. **Impact Factor: 1.082.** Indexed: Clarivate Analytics (Thomson Reuters), SCI, Scopus.
21. S. Nandini, N. Ronald, Suchetan P. Adimule, **P. Krishnamurthy**, Anticorrosive Effects of Derivatives of 4-{[4-(Dimethylamino) Benzylidene]amino}-1,2,4-Triazole

on 316 Stainless Steel in HCl Medium: Experimental and Computational Study, **Journal of Failure Analysis and Prevention** 21 (2021) 1057–1076.
DOI: 10.1007/s11668-021-01149-z, **Impact Factor: 0.8**, Publisher: Springer. Emerging Sources Citation Index, INSPEC Scopus.

22. Rachael Natash Mary, Ronald Nazareth, Parameshwar Adimule Suchetan, **Krishna Murthy Potla**, Investigation of corrosion inhibition property of triazole based Schiff bases on maraging steel in acid mixture, **Journal of Failure Analysis and Prevention** 21 (2021) 547–562.
DOI 10.1007/s11668-020-01099-y. Publisher: Springer. Emerging Sources Citation Index, INSPEC Scopus.
23. Munichandra Reddy Sivala, Venkataramaiah Chintha, **Krishna Murthy Potla**, Sampath Chinnam, Naga Raju Chamarthi, In silico docking studies and synthesis of new phosphoramidate derivatives of 6-fluoro-3-(piperidin-4-yl)benzo[d]isoxazole as potential antimicrobial agents, **Journal of Receptors and Signal Transduction** 40(5) (2020) 486-492.
DOI: 10.1080/10799893.2020.1752719. Publisher: Taylor & Francis. **Impact Factor: 2.092.** Indexed: Clarivate Analytics (Thomson Reuters), SCI, Scopus
24. Shaik Nayab Rasool, Maddila Suresh, **Potla Krishna Murthy**, Titinchi Salam J. J, Shaik Thaslim Basha, Chintha Venkataramaiah, Wudayagiri Rajendra, Nagam Venkateswarlu, Tartte Vijaya, Chinnam Sampath, Chamarthi Naga Raju, In silico molecular docking and in vitro antioxidant activity studies of novel α-aminophosphonates bearing 6-amino-1,3-dimethyl uracil, **Journal of Receptors and Signal Transduction** 40(2) (2020) 166-172.
DOI: 10.1080/10799893.2020.1722166. Publisher: Taylor & Francis. **Impact Factor: 2.092.**
Indexed: Clarivate Analytics (Thomson Reuters), SCI, Scopus
25. Rachael Natash Mary, Ronald Nazareth, **Krishna Murthy Potla**, Suchetan P. A, Experimental and Theoretical Study of Corrosion Behavior of Maraging Steel in 1M HCl in the presence of 5-methyl-4-[(E)-(thiophen-2-ylmethylidene)amino]-4H-1,2,4-triazole-3-thiol, **Asian Journal of Chemistry** 32(4) (2020) 845-852.
DOI: 10.14233/ajchem.2020.22466**,** Indexed: Scopus
26. Nandini Shet, Ronald Nazareth, **Krishna Murthy Potla**, Suchetan P. A., 4-{[4-(Dimethylamino)benzylidene]amino}-5-methyl-4H-1,2,4-triazole-3-thiol as corrosion inhibitor for 316 stainless steel in 2.5M H_2SO_4: Experimental and theoretical investigation, **Asian Journal of Chemistry** 32(5) (2020) 1015-1025.
DOI: 10.14233/ajchem.2020.22477 Indexed: Scopus
27. P.A. Suchetan, N.K. Lokanath, S.Naveen, **P. Krishna Murthy**, M.V. Deepa Urs, Crystal structure, Hirshfeld surface and Frontier molecular orbital analyses of N-[2-(trifluoromethyl)phenyl]-succinamic acid, **Asian Journal of Chemistry** 32(5) (2020) 3179-3185.
DOI: 10.14233/ajchem.2020.22860, Indexed: Scopus
28. P. Harika, Hanna S. Abbob, **P. Krishna Murthy**, Salam J.J. Titinchi, C. Sampath, Polyethylene glycol (PEG-400): An efficient one-pot green synthesis and anti-viral activity of novel α-Diaminophosphonates, **Phosphorus, Sulfur, and Silicon and the Related Elements** 194(11) (2019) 1035-1039.
DOI:10.1080/10426507.2019.1597365. Publisher: Taylor & Francis. **Impact Factor: 1.082.** Indexed: Clarivate Analytics (Thomson Reuters), SCI, Scopus.
29. **P. Krishna Murthy,** R. Sreenivasa Rao, V. Suneetha, L. Giri, P.A. Suchetan, 3,5-Dibromo-6-methylpyridine-2-amine, **Acta Cry E** (IUCr Data), 2 (2017) ×170728, 1-3.

DOI: 10.1107/S2414314617007283. Publisher: IUCr. Citescore:1.2. Indexed in: Cambridge Structural Database, Emerging Sources Citation, INSPEC, Scopus

30. P.A. Suchetan, V. Suneetha, S. Naveen, N.K. Lokanath, **P. Krishna Murthy***, Comparison of the crystal structure of methyl 4-bromo-2-(methoxymethoxy) benzoate and 4-bromo-3-(methoxymethoxy) benzoic acid, **Acta Cryst. E**72 (2016) 477-481.
DOI: 10.1107/S2056989016003777. Publisher: IUCr. Citescore:1.2. Indexed in: Cambridge Structural Database, Emerging Sources Citation, INSPEC, Scopus
31. P.A. Suchetan, V. Suneetha, S. Naveen, N.K. Lokanath, **P. Krishna Murthy***, 4-Bromo-2-hydroxybenzoic acid, **Acta Cry E** (IUCr Data), 1 (2016) ×160325, 1-3. DOI: 10.1107/S2414314616003254. Publisher: IUCr, Citescore:1.2. Indexed in: Cambridge Structural Database, Emerging Sources Citation, INSPEC, Scopus
32. G. Krishnaswamy, **P. Krishna Murthy**, R. Nivedita Desai, P. A. Suchetan, D. B. Aruna Kumar, Crystal structure of 1-(5-bromobenzofuran-2-yl) ethanone oxime, **Acta Cryst**. **E**71 (2015) o773–o774.
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33. M. Siva Prasad, M. Manideep Reddy, R. Sreenivasa Rao, V. Suneetha, **P. Krishna Murthy***, *Computational Multivariate Regression and Validation Analysis on a Set of AKT kinase Inhibitors*, **Der Pharma Chemica**, 9(14) (2017) 127-135.
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34. G. Krishnaswamy, Nivedita R. Desai, **P. Krishna Murthy**, P.A. Suchetan, D.B. Arunakumar, *Synthesis, Characterization, Crystal structure and DFT calculations of 1-benzofuran-2-carboxylic acid*, **Der Pharma Chemica**, 8(7) (2016) 46-54.
35. V. Madhava Rao, B. Ujwala, P. Priyadarshini, **P. Krishna Murthy**, *Synthesis, antioxidant and antimicrobial activity of three new 2-styrylchromones and their analogues*, **Der Pharma Chemica**, 8(7) (2016) 1-6.
36. **P. Krishna Murthy**, N. Venkatasubba Naidu, P. Raghavendra Kumar, *Synthesis, characterization and antimicrobial studies of Pd(II), Cu(II), Fe(III) and Mn(II) complexes of tetradentate N^4 ligand*, **International Journal of Pharma and Biosciences**, 4(3), 947-956, 2013.
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37. **P. Krishna Murthy**, N. Venkatasubba Naidu, P. Raghavendra Kumar, *Synthesis, characterization and biological activity of transition metal complexes of 1,4-bis(1-napthylmethyl)piperazine*, **International Journal of Bio-Technology and Research**, 3(1):91-100, 2013.
38. **P. Krishna Murthy**, K. Babu Naidu, N. Venkatasubba Naidu, *A sample spectrophotometric method for determination of propoxur using 4-aminopyridine*, **J.Chem.Pharm.Res.,** 4(1), 96-99, 2012.
39. K. Banunaidu, N. Krishnaiah, **P. Krishna Murthy**, N. Venkatasubba Naidu, *Sensitive determination of Cr(VI) in environmental samples using catalytic hydrogen currents at DME*, **Der Pharma Chemica**, 4(6),2252-2258, 2012.
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40. **P. Krishna Murthy**, Munga Sulochana, N. Venkatasubba Naidu, *A novel spectrophotometric method for the determination of carbaryl in environmental Samples*, **Der Pharmacia Sinica**, 3(2):224-228, 2012.
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41. **P. Krishna Murthy**, T. Niranjan, N. Venkatasubba Naidu, *A novel spectrophotometric method for determination of carbosulfan with 4-methylaniline*, **J.Chem.Pharm.Res.,** 3(6), 28-32, 2011.

42. **S. Kanchi, P. Krishna Murthy, K. Saraswathi,** N. Venkatasubba Naidu, *Ni(II)-ammonium morpholine dithiocarbamate complex studies with polorography at DME by catalytic hydrogen current in various environmental samples*, **Chemical Technology: an Indian Journal**, 6(1), 6-12, 2011.

PATENTS (GRANTED)

1. Chinnam Sampath, Bobbala Prathima, Chandrasekaran Balakumar, **Krishna Murthy Potla,** Chigurupati Sridevi, Khatana Kavita, Makam Parameshwar, Rathore Shruti, Kondakkagari Sai Saranya, R Kavya Shree, Vandavagili Kishore Kumar Reddy
   Title of the invention: In silico evaluation and synthesis of novel sulfonamides as promising anti-viral drugs docked against anti-COVID-19 protein targets: SARS-CoV-2 main protease
   Status of the patent: Granted.
   Application number: 2021105627 (Australian Patent)
2. Chinnam Sampath, Bobbala Prathima, Khatana Kavita, **Krishna Murthy Potla**, Chandrasekaran Balakumar, Shaik Afzal Basha, Bhandare Richie Rashmin, Vaishnav Yogesh, Arnipalli Haritha, S. Arin Natania
   Title of the invention: In silico screening, physicochemical and pharmacokinetic analysis of novel sulfonamides as potential antimicrobial drugs docked with protein targets: PDB: 2VF5, 1KZN and 1JIJ
   Status of the patent: Granted.
   Patent number: 2021105099 (Australian Patent)
3. Govindaraju Santhosh, Tabassum Sumaiya, Chinnam Sampath, Bobbala Prathima, Khatana Kavita, Chandrasekaran Balakumar**, Krishna Murthy Potla**, Nagabhushanam Ramesh Garugumadi, Jorepalli Sumalatha, Konathala Ishwarya Lakshmi
   Title of the invention: Computer-aided drug design and green synthesis of novel pyrazole analogues as potential sars-cov-2 main protease inhibitors against anti-covid-19 protein targets.
   Status of the patent: Granted.
   Application number: 2021106444 (Australian Patent)
4. Shaik Afzal Basha, Bhandare Richie Rashmin, Konidala Sathish Kumar, Chinnam Sampath, Bobbala Prathima, **Krishna Murthy Potla**, Gupta Girish Kumar, Sigalapalli Dileep Kumar, Yakkate SubbaRao, Swamy Hemalatha Kumara.
   Title of the invention: Computer-aided molecular docking, physicochemical and ADMET properties of novel bromopyrimidine analogues as potential anti-cancer agents.
   Status of the patent: Granted.
   Application number: 2021106703 (Australian Patent)

COMMUNICATED

1. Nuthalapati Poojith, Krishna Murthy Potla*, Francisco A. P. Osório, Clodoaldo Valverde, Y. Sheena Mary, Sanja J. Armaković, Stevan Armaković, Suchetan Parameshwar Adimoole, Y-shaped potential nonlinear optical material- 2-(methylsulfanyl)pyrimidine-4,6-diamine: An analysis of structural, spectroscopic, and insilico studies *(To be communicate)*
2. H. R. Rajegowda, Ramith Ramu, Riyaz ur Rahaman Khan, **Krishnamurthy Potla**, P. A. Suchetan, Naveen Kumar, Prithvi S. Shirahatti, M. N. Somashekar, Thioether-hydrazide based ONS donor Schiff's base and its Pd(II) complex: Synthesis, crystal

structure, hirshfeld surface analysis, DFT studies, molecular docking, antioxidant and antidiabetic activity, Journal of Molecular Structure (To be communicate)

3. Madhuprasad Kigga, Raveendra M. Hegde, Richelle M. Rego; Subrahmanya Ishwar Bhat, **Krishna Murthy Potla**, Mahaveer D. Kurkuri, Effect of methoxy functionality in real-time colorimetric detection of fluoride and acetate ions, ChemistrySelect (To be communicate)

CONFERENCE PRESENTATIONS & PUBLICATIONS

1. Participated webinar "Online Meet the Editor webinar with NJC Board Members" held on 22nd April 2021 conducted by Royal Society of Chemistry, London.
2. Poster presentation in National PhD/MS Poster Symposium on "Recent Advances in Chemical and Pharmaceutical Sciences (RACPS-2019)" held on 21st December, 2019 at National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad.
3. Participated in Two Day workshop on "Fundamentals of Instrumental Analysis Theory and Practical Training Programme on NMR and HPLC" held on 26th and 27th September, 2019 at JKC College, Guntur.
4. Participated in Research Orientation Programme - 2019 (ROP-2019) organized by Centre for Nano and Material Sciences, Jain University, Bangalore held on 07th -15th January 2019.
5. Poster presentation in International Conference on "Recent Developments and Applications of Physico-Chemical Characterization Techniques" held on 4th January 2019 at JKC College, Guntur.
6. Participated in "Hands-On 2-Day Workshop on Statistical Data Analysis Using R" held on 8th-9th December, 2018 at VIT-AP, Amaravathi.
7. Participated in Work shop on "Intellectual Property and Innovation Management" held from 31st August to 1st September 2018 at Bapatla Engineering College, Bapatla.
8. **P. Krishna Murthy**, P.A. Suchetan, V. Pavan Kumar, K. Nageswara Rao, G.V. Ravi, M. Balaji, N. Usha Rani, **"**Single crystal x-ray diffraction signature, hirshfeld surface analysis and global reactivity parameters of 3,5 dichloropyridin-4-amine**"International Journal for Research in Engineering Application & Management (IJREAM)** 234-237 IMC18616.
9. Oral presentation in International Multidisciplinary conference on "Knowledge Sharing, Technological Advancements & Sustainable Development" (IMC-2018) On 30th - 31st March 2018 held at Prasad V Potluri Siddhartha Institute of Technology (AUTONOMOUS), Vijayawada, Andhra Pradesh, India.
10. Participant in Two day workshop on happy Living in Smart cities" held from 30th – 31st March, 2018, held at Prasad V Potluri Siddhartha Institute of Technology (AUTONOMOUS), Vijayawada, Andhra Pradesh, India.
11. Participated in National Symposium on "Recent trends in Discovery and Pharmaceutical Drug Development" held on 2nd December 2017 at Bapatla College of Pharmacy, Bapatla.
12. Participant in 2nd National Level Workshop on "Principal and Practice of Molecular Modelling in Teaching and research" held from 21st to 23rd July 2016 at A.U. College of Pharmaceutical Sciences, Andhra University, Visakhapatnam.
13. Oral presentation in "Emerging Trends in Pharmaceutical and Chemical Sciences (ETPCS-2016) held from 28th to 29th March 2016 at Sri Venkateswara University, Tirupati.
14. Participated in the National Conference on "Drug Discovery in Chemistry – Application's in Pharma Industry (DDDC-2015) held from 14th to 15th September 2015 at Sri Venkateswara University, Tirupati.

15. Presented paper in the National Conference On Role Of Chemistry In Energy Development and Environmental Protection (RCEE-2014) held from 3rd to 4th March 2014 at Sri Venkateswara University, Tirupati.
16. Poster presentation in National Conference on Frontiers and Challenges in Biological Organometallic Compounds (FCBOM – 2013) held from 20th to 21st June 2013 at MSRIT, Bangalore.
17. Participated in Conference On "Recent Advances in Computational Drug Design" held from 16th to 17th September 2013 at Indian Institute of Sciences, Bangalore.
18. FT-IR and DFT calculations of (1Z)-1-(1-Benzofuran-2-yl) ethanone oxime. G. Krishnaswamy, Nivedita R. Desai, **Krishna Murthy Potla**, S. Sreenivasa, D.B. Aruna Kumar, International Intradisciplinary conference on the Frontier of Crystallography-IICFC-2014. **ISBN No:** 9789383701513. 41-46.
19. Oral Presentation in National Seminar on "Analytical Chemistry-Its Importance in Industry, Environment and Health., Y. Sunitha, **Krishna Murthy Potla**, N. Venkatasubba Naidu on New spectrophotometric methods for the determination of nicardine in pharmaceutical formulations" on 24th to 26th September, 2010 held at A.U., Visakhapatnam.
20. Participant "International Symposium on Nanotechnology-Present and Future Trends-INSYN 2010" held at VIT, Vellore, from 25th to 26th August, 2010.
21. Participated work Shop in "Science Express" conducted by Vikram A Sarabhi Community Science Centre (VASCSC) and Department of Science and Technology, Government of India, held from 20th to 22nd February 2009 at Renigunta.

PERSONAL DATA

- Date of Birth: 02 March 1986.
- Nationality: Indian
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- Permanent Address: Dr. Krishna Murthy Potla, S/o. Chalamaiah,
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I hereby declare that above furnished details are true to the best of my knowledge.

Date: 01-07-2022 (**Dr. KRISHNA MURTHY POTLA**)