CURRICULUM VITAE

Name: Dr. P.Sudhir Kumar
Professor in Pharmaceutical Chemistry
School of Pharmaceutical Sciences
Siksha'O'Anusandhan University, Bhubaneswar, Odisha
Email- sairampaidesetty@gmail.com,psudhirkumar@soa.ac.in
Contact no- 919861218616, 917978186719
Scopus id-57189328087 and vidwan id https://vidwan.inflibnet.ac.in/profile/186185
https://orcid.org/0000-0003-1210-2293

Research Area of Interest: Drug Design and Synthesis, spectral characterization and Biological Evaluation of Some Bioactive nitrogen-bearing nitrogen heterocyclic molecules and preparation of semisynthetic natural products, Phyto and phycochemical screening methods and chemical Interpretation by different UV, FTIR, ^{1}HNMR, ^{13}CMR, and Mass spectral techniques. *In -silico, in-vitro* studies on newly developed semi-symthetic phyco-chemicals such Nostocine, Norharmane and its derivatives;Study structural activities of phyto/phycoconstituents and their isolation techniques including purification, separation, and recrystallization. On basis of docking, a design new synthetic scheme, and for their biological evaluation.

Provisional Qualification: B.Sc, B.Pharm, M.Pharm & PhD (Pharmacy)

PhD (Pharmacy) completed (2010) , Berhampur University, Odisha.

M.Pharm Degree in Pharmaceutical Chemistry (2001), Vel's College of Pharmacy,

Dr. M.G.R. Medical University, Chennai, TN.

All India GATE (1999), Qualified with 89.85 percentile

B.Pharm Degree (1998), College of Pharmaceutical Sciences, Mohuda,

Berhampur University, Odisha.

B.Sc Degree (1993) from Khalikote College, Berhampur, Berhampur University.

Academic Experiences (21+ yrs)

- School of Pharmaceutical Sciences, Siksha'O'Anusandhan (Deemed to be University), Bhubaneswar, Orissa, India 24st-Jan'-2018 to continuing as Professor
- School of Pharmaceutical Sciences, Siksha'O'Anusandhan (Deemed to be University), Bhubaneswar, Orissa, India 1st-Sept'-2011 to 23rd-Jan'2018 as Associate Professor
- School of Pharmaceutical Sciences, Siksha'O'Anusandhan (Deemed to be University), Bhubaneswar, Orissa, India (5th-July-2008 to 31st-Aug'2011), Designation as Asst.Professor.

- Sri Jayadev college of Pharmaceutical Sciences Bhubaneswar, Orissa, India(1st-Apr' 2006 to 3rd-Jun'-2008), Designation as Senior Lecturer
- Sri Jayadev college of Pharmaceutical sciences, Bhubaneswar, Orissa, India (1st-July-2002 to 31st-Mar'2006), Designation as Lecturer
- Roland Institute of Pharmaceutical Sciences, Berhampur, Odisha, India (19-Feb'2001 to 30th-Jun'2002), Designation as Lecturer.

Research Experience: - 18 years **Post PhD Experience**: - 10 years

Research granted Projects

Sl. No.	Title of the project	Project No. & Status	Funding Agency	PI/Co-PI/Mentor	Amount
1	Assessment of antimicrobial potentialities….. human pathogenic organisms	RMC/5/8/11/B.S.	ICMR, New Delhi	Co-PI	Rs. 11,72,000
2	Antimycobacterial evaluation …..TB drugs	R.12014/14/2017	DHR, New Delhi	Mentor	Completed

Patent Detail: Authors :Swain, S.S., Paidesetty, S.K., Padhy, R.N. Application No. 202011009326 Date of filing. 04/03/2020 Title of invention: A process for synthesis of potent and cost-effective anti-TB agents ; Publication : Processing

Research Guidance

- Number of M. Pharm/M.Sc (Pharmaceutical chemistry) Awarded: 20
- Number of PhD Scholars Regd. 08, PhD Awarded **05**. Continuing PhD Scholars :03

1. Jyotirmaya Sahoo, PhD (Pharmacy) 2016; Awarded Thesis Title "Study on medicinal interest of synthesized azo based heterocyclic compounds" Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar, Odisha, India
2. Alok Singh Thakur, PhD (Pharmacy) 2017; Awarded Thesis Title "Synthesis and pharmacological evaluation of Hetrocyclic rings containing *N*-substituted sulfonylurea as Pharmacophore" Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar, Odisha, India

3. Priyambada Kshiroda Nandini Sarangi, PhD (Pharmacy) 2018; Awarded Thesis Title "Synthesis and biological evaluation of nitrogen bearing hetrocyclic molecules" Annamalai University , TN
4. Shasank Sekar Swain, PhD (Biotechnology) 2019; Awarded Thesis Title "Computational and experimental evaluation of newly designed sulfonamide-phytochemical conjugates as prospective antibacterial drugs" Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar, Odisha, India
5. Chitaranjan Sahoo, PhD (Biotechnology), Awarded, 2021 Title " A comparative study on phyco and phyto compound derivatives against UTI-bacteria and brest cancer" Siksha 'O' Anusandhan (Deemed to be University).

Achievements of Phd scholars on my Supervision

Shasank Sekhar Swain (PhD scholar): Sun Pharma Science Foundation's Science Scholar Award for the year 2017 in the field of Pharmaceutical Sciences

Chitaranjan Sahoo (PhD scholar) : Received award of Senior Research fellowships from ICMR on 5-1-2021 entitied as "Newly synthesized norharmane-phyco(algae) chemical conjugate as prospective breast cancer (Ref No-45/3/2020-DDI/BMS)

Research Awards

Received Award "**Gandhian Young Technological Innovation-2019**" of his contribution in Biotechnological/Medical Health innovation with Title "Production of effective and low cost Dapsone-phytochemical hybrid candidate for use in Multidrug therapy against Mycobacterium leprae" received from Vice president of India at Rastrapati Bhawan, New Delhi, India

Received Best Reserach Paper Award in Journal 'Indian Drugs' 2016 Title" Biological evaluation of novel a heteroaryl/arylazo 2-naphthol analogues and the transitional metal complexes derived from 4-((2-hydroxynaphthalen-1-yl)diazenyl)-1,5-dimethyl- 2-phenyl- 1*H*-pyrazol-3(2H)-one" *Indian Drugs*, 53(6), **2016** & 15-24.

Research Publications

1. CR Sahoo, **SK Paidesetty**, S Sarathbabu, B Dehury, N Senthil Kumar, ..."Molecular dynamics simulation, synthesis and topoisomerase inhibitory actions of vanillin derivatives: a systematic computational structural integument" **Journal of**

Biomolecular Structure and Dynamics, 2021, 1-11. https://doi.org/10.1080/07391102.2021.1961867

2. AK Bishoyi, M Mahapatra, **SK Paidesetty**, RN Padhy"Design, molecular docking, and antimicrobial assessment of newly synthesized phytochemical thymol Mannich base derivatives" **Journal of Molecular Structure**, 2021, 1244, 130908130908 doi.org/10.1016/j.molstruc.2021.130908
3. Swain, S.S., **Paidesetty, S.K.**, Padhy, R.N."Phytochemical conjugation as a potential semisynthetic approach toward reactive and reuse of obsolete sulfonamides against pathogenic bacteria" **Drug Development Research**, 2021, 82(2), pp. 149–166 10.1002/ddr.21746
4. Sahoo, C.R., Sahoo, J., Mahapatra, M., ...Nath Padhy, R., **Kumar Paidesetty, S**. "Coumarin derivatives as promising antibacterial agent(s)" **Arabian Journal of Chemistry**, 2021, 14(2), 102922 10.1016/j.arabjc.2020.102922
5. Sahoo, C.R**., Paidesetty, S.K.**, Padhy, R.N. "The recent development of thymol derivative as a promising pharmacological scaffold" **Drug Development Research**,2021, Article in Press 10.1002/ddr.21848
6. Sahoo, C.R., **Paidesetty, S.K.**, Dehury, B., Padhy, R.N. "Molecular dynamics and computational study of Mannich-based coumarin derivatives: potent tyrosine kinase inhibitor" **Journal of Biomolecular Structure and Dynamics**, 2020, 38(18), 5419–5428 10.1080/07391102.2019.1701554
7. Swain, S.S., **Paidesetty, S.K.**, Dehury, B., ...Vedithi, S.C., Padhy, R.N. "Computer-aided synthesis of dapsone-phytochemical conjugates against dapsone-resistant Mycobacterium leprae" **Scientific Reports**, 2020, 10(1), 6839 10.1038/s41598-020-63913-9
8. Swain, S.S., **Paidesetty, S.K.**, Padhy, R.N., Hussain, T. "Isoniazid–phytochemical conjugation: A new approach for potent and less toxic anti-TB drug development" **Chemical Biology and Drug Design**,2020, 96(2), pp. 714–730 10.1111/cbdd.13685
9. Sahoo, C.R., **Paidesetty, S.K.**, Padhy, R.N. "Nostocine a derivatives as human dna topoisomerase ii-alpha inhibitor" **Indian Journal of Pharmaceutical Education and Research**, 2020, 54(3), pp. 698–704 10.5530/ijper.54.3.120
10. Nandini, S.P.K., Jyotirmaya, S., Ranjan, S.C., **Kumar, P.S**., Prasad, M.G. "In-silico and in vitro assessment of synthesized diazenylsulfonamides as apoptosis inducers and radical scavengers" **Indian Drugs**, 2020, 57(6), pp. 49–59

11. Sahoo, C.R., Maharana, S., Mandhata, C.P., ...**Paidesetty, S.K.**, Padhy, R.N. "Biogenic silver nanoparticle synthesis with cyanobacterium Chroococcus minutus isolated from Baliharachandi sea-mouth, Odisha, and in vitro antibacterial activity" **Saudi Journal of Biological Sciences**, 2020, 27(6), pp. 1580–1586 10.1016/j.sjbs.2020.03.020
12. Sekhar, S.S., Ranjan, S.C., Jyotirmaya, S., ...Ravi Kumar, B.V.V., **Kumar, P.S**. "Design, synthesis of Schiff base Ciprofloxacin - Vanillin derivatives as potent bacterial DNA gyrase inhibitors" **Indian Drugs**, 2020, 57(3), pp. 21–26
13. Baral, N., Mishra, D.R., Mishra, N.P., ...Nayak, M., **Kumar, P.S.** "Microwave-assisted rapid and efficient synthesis of chromene-fused pyrrole derivatives through multicomponent reaction and evaluation of antibacterial activity with molecular docking investigation" **Journal of Heterocyclic Chemistry**, 2020, 57(2), pp. 575–589 10.1002/jhet.3773
14. Sahoo, J., Sahoo, C.R., Nandini Sarangi, P.K., ...Padhy, R.N., **Paidesetty, S.K**. "Molecules with versatile biological activities bearing antipyrinyl nucleus as pharmacophore" **European Journal of Medicinal Chemistry**, 2020, 186, 111911. 10.1016/j.ejmech.2019.111911
15. Sahoo, J., Kshiroda, P., Sarangi, N., Rout, S.K., **Paidesetty, S.K.** "In silico investigation and biological evaluation of synthesized sulfamethoxazole derivatives" **Indian Journal of Pharmaceutical Sciences**, 2020, 82(1), pp. 123–130 10.36468/pharmaceutical-sciences
16. Swain, S.S., **Paidesetty, S.K.**, Padhy, R.N. "Synthesis of novel thymol derivatives against MRSA and ESBL producing pathogenic bacteria" **Natural Product Research**, 2019, 33(22), pp. 3181–3189 10.1080/14786419.2018.1474465
17. Sahoo, C.R., **Paidesetty, S.K.**, Padhy, R.N. "Nornostocine congeners as potential anticancer drugs: An overview" **Drug Development Research**, 2019, 80(7), pp. 878–892 10.1002/ddr.21577
18. Baral, N., Mohapatra, S., Raiguru, B.P., ...**Kumar, P.S.**, Sahoo, C.R. "Microwave-Assisted Rapid and Efficient Synthesis of New Series of Chromene-Based 1,2,4-Oxadiazole Derivatives and Evaluation of Antibacterial Activity with Molecular Docking Investigation" **Journal of Heterocyclic Chemistry**, 2019, 56(2), pp. 552–56510.1002/jhet.3430

19. Sahoo, C.R., **Paidesetty, S.K.**, Padhy, R.N. “Norharmane as a potential chemical entity for development of anticancer drugs” **European Journal of Medicinal Chemistry**, 2019, 162, pp. 752–76410.1016/j.ejmech.2018.11.024
20. Sahoo, C.R., Patro, R., Sahoo, J., Padhy, R.N., **Paidesetty, S.K**. “Design, molecular docking of synthesized schiff-based thiazole/pyridine derivatives as potent antibacterial inhibitor” **Indian Drugs**, 2019, 56(11), pp. 20–25
21. Swain, S.S., **Paidesetty, S.K**., Dehury, B., ...Hussain, T., Padhy, R.N. “Molecular docking and simulation study for synthesis of alternative dapsone derivative as a newer antileprosy drug in multidrug therapy” **Journal of Cellular Biochemistry**, 2018, 119(12), pp. 9838–9852 10.1002/jcb.27304
22. Thakur, A.S., Deshmukh, R., Jha, A.K., **Kumar, P.S**. “Molecular docking study and anticonvulsant activity of synthesized 4-((4,6-dimethyl-6H-1,3-thiazin-2-yl)phenylsulfonyl)urea/thiourea derivatives” **Journal of King Saud University - Science**, 2018, 30(3), pp. 330–336 10.1016/j.jksus.2016.12.006
23. Sahoo, J., **Paidesetty, S.K**.”Biological investigation of novel metal complexes of 2-amino-4-substituted phenylthiazole Schiff bases”**Journal of Taibah University Medical Sciences**, 2018, 13(2), pp. 142–155
24. Deshmukh, R., Thakur, A.S., Jha, A.K., **Kumar, S.P**.“Synthesis and anticonvulsant activity of some novel semicarbazone containing benzoxazole: Pharmacophore model study”**Current Bioactive Compounds**, 2018, 14(2), pp. 153–162
25. Jyotirmaya, S., **Kumar, P.S**.”A study on antimicrobial evaluation of newly synthesized antipyrin analogues”**Indian Journal of Pharmaceutical Education and Research**, 2017, 51(4), pp. 740–747
26. Swain, S.S., **Paidesetty, S.K.**, Padhy, R.N.”Antibacterial, antifungal and antimycobacterial compounds from cyanobacteria ”**Biomedicine and Pharmacotherapy**, 2017, 90, pp. 760–776 10.1016/j.biopha.2017.04.030
27. Swain, S.S., **Paidesetty, S.K.**, Padhy, R.N., Singh, P.K.” Computational approach for locating effective cyanobacterial compounds against Mycobacterium tuberculosis” **Indian Journal of Pharmaceutical Education and Research**, 2017, 51(2), pp. 302–31110.5530/ijper.51.2.36
28. Swain, S.S., **Paidesetty, S.K.**, Padhy, R.N.” Antibacterial activity, computational analysis, and host toxicity study of thymol-sulfonamide conjugates” **Biomedicine and Pharmacotherapy**, 2017, 88, pp. 181–19310.1016/j.biopha.2017.01.036

29. Sahoo, J., **Paidesetty, S.K**."Antimicrobial activity of novel synthesized coumarin based transitional metal complexes" **Journal of Taibah University Medical Sciences**, 2017, 12(2), pp. 115–124
30. Swain, S.S., **Paidesetty, S.K.**, Padhy, R.N." Development of antibacterial conjugates using sulfamethoxazole with monocyclic terpenes: A systematic medicinal chemistry based computational approach" **Computer Methods and Programs in Biomedicine**, 2017, 140, pp. 185–194 10.1016/j.cmpb.2016.12.013
31. Sarangi, P.K.N., Sahoo, J., **Paidesetty, S.K.**, Mohanta, G.P." Synthesis, spectral characterization and anticancer evaluation of new diazenyl Schiff base derivatives" **Indian Drugs**, 2017, 54(2), pp. 20–28
32. Sarangi, P.K.N., Sahoo, J., Behera, S., **Paidesetty, S.K.**, Mohanta, G.P." Cytotoxic investigation of some newly synthesized quinoline-thiazole based azo compounds" **Indian Journal of Chemistry - Section B** Organic and Medicinal Chemistry, 2017, 56B, pp. 1256–1264
33. Jyotirmaya, S., Kshiroda Nandini, S.P., **Kumar, P.S.**"In vitro antimicrobial investigations of newly synthesized transitional bivalent metal complexes derived from 8-hydroxyquinoline"*Indian Journal of Pharmaceutical Education and Research*, 2017, 51(3), pp. 480–489
34. Sarangi, P.K.N., Sahoo, J., Swain, B.D., **Paidesetty, S.K.**, Mohanta, G.P."Thiazoles as potent anticancer agents: A review"**Indian Drugs**, 2016, 53(11), pp. 5–11
35. Sahoo, J., Parween, G., Sahoo, S., ...Sahoo, S., **Paidesetty, S.K**."Synthesis, spectral characterization, in silico and in vitro antimicrobial investigations of some Schiff base metal complexes derived from azo salicylaldehyde analogues"**Indian Journal of Chemistry - Section** B Organic and Medicinal Chemistry, 2016, 55B(10), pp. 1267–1276
36. Sahoo, J., **Paidesetty, S.K**."Medicinal interest of AZO-based organic compounds: A review"**Asian Journal of Pharmaceutical and Clinical Research**, 2016, 9, pp. 33–39
37. Thakur, A.S., Deshmukh, R., Jha, A.K., **Kumar, P.S**."Synthesis and anticonvulsant effect of novel Thiazolidinedione containing benzene-sulfonylurea and Sulfonylthiourea derivatives"**Central Nervous System Agents in Medicinal Chemistry**, 2016, 16(2), pp. 152–157[10.2174/1871524915666150824154136](https://doi.org/10.2174/1871524915666150824154136)

38. Sahoo, J., Sahoo, S., **Paidesetty, S.K.”**Biological evaluation of novel a-heteroaryl/arylazo 2-naphthol analogs and the transitional metal complexes derived from 4-((2-hydroxynaphthalen-1-yl) diazenyl)-1, 5-dimethyl-2-phenyl-1H-pyrazol-3(2H)-one”**Indian Drugs**, 2016, 53(7), pp. 15–24
39. Sahoo, J., **Kumar, P.S**.” Study of solvatochromic behavior and antimicrobial activities of some newly synthesized bis-azo-dapsone congeners” **Indian Journal of Chemistry - Section B** Organic and Medicinal Chemistry, 2016, 55B(6), pp. 724–733
40. Deshmukh, R., Thakur, A.S., Jha, A.K., **Sudhir Kumar, P**.” Anticonvulsant and neurotoxicity of some novel 1-([1,3,4]thiadiazino[6,5- b]indol-3-yl Semicarbazides” **Central Nervous System Agents in Medicinal Chemistry**, 2016, 16(1), pp. 29–3610.2174/1871524915666150623091716
41. Thakur, A.S., Deshmukh, R., Jha, A.K., **Kumar, P.S**.”The design, synthesis and pharmacological evaluation of pyrazole containing sulfonylurea derivatives as potent Gsk3B inhibitor for blood glucose-lowering effect” **Indian Journal of Heterocyclic Chemistry**, 2016, 26(3-4), pp. 173–178
42. J Sahoo, SK Mekap**, PS Kumar**” Synthesis, spectral characterization of some new 3-heteroaryl azo 4-hydroxy coumarin derivatives and their antimicrobial evaluation” **Journal of Taibah University for Science, 2015,** 9 (2), 187-195
43. Sahoo, J., **Sudhir Kumar, P**.” Biological evaluation and spectral characterization of 4-hydroxy coumarin analogs” **Journal of Taibah University Medical Sciences**, 2015, 10(3), pp. 306–319, 186
44. Somyadeep Majhi, S. K. Patro & P. Sudhir Kumar” Visible spectrophotometric estimation of Aripiprazole” **Asian journal of research in chemistry**, 2015; 8(12), 739-744.
45. Sahoo, J., Sahoo, S., **Sudhir Kumar, P**.” Synthesis, characterization and solvatochromic effect of some azo based 2-thioxopyrimidine-4,-6-dione analogues and their antimicrobial evaluation” **Asian Journal of Chemistry**, 2015, 27(11), pp. 4145–4152
46. Paidesetty, S.K., Rout, S.K., Sahoo, J.” Antimicrobial and antioxidant activities of some newly synthesized benzene-1, 3-diol congeners and their characterization” International Journal of Pharmacy and Pharmaceutical Sciences, 2015, 7(7), pp. 427–433,

47. Thakur, A.S., Deshmukh, R., Jha, A.K., **Sudhir Kumar, P**.” Synthesis and oral hypoglycemic effect of novel thiazine containing trisubstituted benzenesulfonylurea derivatives” **Saudi Pharmaceutical Journal**, 2015, 23(5), pp. 475–482
48. J Sahoo, **SK Paidesetty** “Study of antimicrobial, analgesic wound healing and antioxidant activities of some newly synthesized oxychinolin derivatives and their characterization” **Beni-Suef University Journal of Basic and Applied Sciences**, 2015,4 (3), 232-245
49. J Sahoo**, SK Paidesetty**” Antimicrobial, analgesic, antioxidant and in silico study of synthesized salicylic acid congeners and their structural interpretation”**Egyptian Journal of Basic and Applied Sciences**, 2015, 2 (4), 268-280
50. Sudhir Kumar, P., Sahoo, J.” Evaluation of in-vitro antimicrobial activity of some newly synthesized 7-hydroxy 4-methyl coumarin congeners” Der Pharmacia Lettre, 2015, 7(2), pp. 60–64
51. Kar, D.R., **Kumar, P.S.**, Ghosh, G., Sahu, P.K.” Isolation and characterization of flavone from the aerial parts of Avicennia alba Blume” **Oriental Journal of Chemistry**, 2014, 30(2), pp. 705–711
52. Kar, D.R., Ghosh, G., Kumar, P.S., Sahu, P.K.” Analgesic and antipyretic activities of the methanolic extract of aerial parts of Avicennia alba Blume” **International Journal of PharmTech Research,** 2014, 6(3), pp. 874–879
53. **Kumar, P.S.**, Sahoo, J.” Anthelmintic evaluation of some novel synthesized 1,2,4-triazole moiety clubbed with benzimidazole ring” **Oriental Journal of Chemistry**, 2014, 30(1), pp. 211–217.
54. DK Sahu, G Ghosh, J Sahoo, PS Kumar” Evaluation of antimicrobial activity of some newly synthesized azo compounds derived from thiobarbituric acid” Int J Adv Chem Sci Appl 1 (1), 25-27
55. **Sudhir Kumar, P.**, Ghosh, G., Rout, S.K., Paul, D.” Synthesis and antimicrobial evaluation of some novel 4-Hydroxy coumarin derivatives bearing azo moiety ”**Rasayan Journal of Chemistry**, 2013, 6(2), pp. 147–152
56. Kumar, P.S., Patro, S.K.”Synthesis and evaluation of some novel benzimidazole derivatives bearing thiazolidinone moiety as potential antimicrobial activity” Asian Journal of Chemistry, 2013, 25(18), pp. 10449–10453
57. Ghosh, G., Das, D., Dinda, A., Kumar, P.S.” Antidiabetic effect of various fractions of Habenaria plantaginea root in streptozotocin-induced diabetic rats” International Journal of Phytomedicine, 2012, 4(1), pp. 90–98.

58. Shukla, S., Srivastava, R.S., Shrivastava, S.K., Sodhi, A., Kumar, P.” Synthesis, Molecular docking and Biological evaluation of 4-Cycloalkylidineamino 1, 2-Naphthoquinone Semicarbazones as Anticancer agents” Asian Pacific Journal of Tropical Biomedicine, 2012, 2(2 SUPPL.)
59. Ghosh, G., Subudhi, B.B., Mishra, D., Kumar, P.S., Mishra, S.K.”Isolation and characterization of 22,23-dihydrostigmasterol (β-sitosterol) from the bark of polyalthia longifolia var. Angustifolia” Asian Journal of Chemistry, 2011, 23(3), pp. 1341–1343
60. Mishra, D., Ghosh, G., Kumar, P.S., Panda, P.K.” Anticancer activity of selective cyclooxygenase-2 inhibitor with conventional NSAIDs” Asian Journal of Chemistry, 2011, 23(1), pp. 427–430.
61. Mishra, D., Ghosh, G., Sudhir Kumar, P., Panda, P.K.” An experimental study of analgesic activity of selective COX-2 inhibitor with conventional NSAIDs” Asian Journal of Pharmaceutical and Clinical Research, 2011, 4(1), pp. 78–81
62. Subudhi, B.B., Kumar, P.S., Ghosh, G.” Synthesis characterization and antimicrobial studies of Zn(II), Cu(II), Pb(II), Ni(II) and Co(II) complexes of 3-(4'-sulfamoyl iminophenyl) isatin” Asian Journal of Chemistry, 2010, 22(6), pp. 4455–4458
63. Mishra, D., Sudhir Kumar, P., Panda, P.K.” Evaluation of antimicrobial activity of selective cox-2 inhibitor” Rasayan Journal of Chemistry, 2010, 3(3), pp. 532–538
64. PS Kumar, D Mishra, G Ghosh, CS Panda”Medicinal uses and pharmacological properties of Moringa oleifera”International Journal of Phytomedicine 2 (2010) 210-216
65. PS Kumar, M Debasis, G Goutam, CS Panda “Biological action and medicinal properties of various constituent of Azadirachta indica (Meliaceae): an overview.”Annals of Biological Research 2010,1(3), pp.24-34
66. Sudhir Kumar, P., Nagoji, K.E.V., Ravi Kumar, B.V.V.”Synthesis of 3-ethoxy carbonyl 5-phenyl-1-p-tolyl 1,2,4-triazolo [3,4,-c] 1,2,4-triazole”Asian Journal of Chemistry, 2003, 15(1), pp. 515–518
67. Kumar, P.S., Panda, J., Ravi Kumar, B.V.V.”Convenient synthesis of 3-(2-pyridyl)- and 8-(2-pyridyl) carbostyrils”Asian Journal of Chemistry, 2003, 15(1), pp. 75–78

Preprint

1.CR Sahoo, SK Paidesetty, R Padhy”Newly Developed Semi-Synthetic Chloroquine and Hydroxychloroquine-Phytochemical Conjugates as Prospective COVID-19 Drug (s)” 2020 preprint

2. Shasank Sekhar Swain, Sudhir Paidesetty, Rabindra Padhy" Chemical taxonomy, pharmacological actions and therapeutic suitability of isolated phyto-oils against pathogenic bacteria--A comprehensive review" 2020 preprint

Book Chapter: "Isolation, elucidation, and structure-activity relationships of Phyto-alkaloids from *Solanaceae*" **Studies in Natural products Chemistry**, 2021 Article inpress Elsevier pub.

Webinar Organised : Co-convenor in National Webinar on Recent trends in algae and their utility of Pharmaceutical Sciences at CENTRAL Research lab.IMS &SUM Hospital, SOA deemed to be University, Bhubaneswar, India

Journal Reviewer: Natural Products Research(NPR) (Taylor & Francis), Indian drugs, Biomass Conversion and Biorefinery(BCAB) (Springer), Scientific reports (Springer nature)

Faculty Development Programme

- AICTE Sponsored Short term Programme For Pharmacy Teacher on "Emerging Areas in pharmaceutical sciences" held at Roland Institute of Pharmaceutical Sciences, Berhampur, Odisha, India date on 28-Dec'-2000 to 8th-Jan'- 2001
- UGC Refresher Short Term Programmed, Faculty of Pharmacy, Annamalai University (2002), Chidambaram TN. 15-Nov'2002 to 05-Dec'2002. (Three Weeks).
- ISTE-AICTE Short term Programmed, College of Pharmaceutical Sciences, Mohuda, Berhampur, Odisha, India. 4-17th-Mar' 2003(Two Weeks).
- Teachers Technical Training Programmed, Sri Jayadev College of Pharmaceutical Sciences Naharkanta, Bhubaneswar, Orissa, India. 2003 (Two Weeks)
- AICTE Sponsored Staff Development Programme" Derivatisation of Nano material for drug delivery &Biomedical Application" School of Pharmaceutical Sciences S'O'A

Professional Contributions

Indian Hospital Pharmacists Association (IHPA) – 50244

Indian Pharmaceutical Association (IPA) - ORI/LM/0157 (2004)

Indian Society of Technical Education (ISTE) - ORI/ LM/ 43585 (2004)

Association of Pharmaceutical Teachers of India (APTI) - OR/LM-093(2004)

Indian Society of Pharmacognosy (ISP) - ISP/LM-OR/P-046 (2005)

Orissa State Board of Pharmacy (OSBP) -11293 (1998)

Orissa Chemical Society (OCS) – LM-OR/808 (2010)

PERSONAL DETAILS

Name of the Applicant: Dr. P. Sudhir Kumar
Father’s Name: Retd. Er. Paidesetty Sreeram Murty
Date of Birth: 21st-Nov’ 1972
Gender: Male
Marital Status: Married
Correspondence Address: Prof. (Dr.) P. Sudhir Kumar
School of Pharmaceutical Sciences,
Siksha 'O'Anusandhan University,
Bhubaneswar,Pin 751003,Odisha,India
Permanent Address: Dr.P. Sudhir Kumar
S/o Er. Paidesetty Sreeram Murty
Door No- 401, 4th Floor,
Shuvam Residency, Phase-1, Patia
Bhubaneswar, India PIN-751024