

- Copper (II) complexes with (E)-N'-(3,5-di-tert-butyl-2-hydroxybenzylidene)-2-hydroxybenzamide: synthesis, characterization, bactericidal and fungicidal activity**
(2024) *Transition Metal Chemistry*, 49 (2), pp. 129-136.

- Synthesis of 3-hydroxy-2-naphthohydrazide-based hydrazones and their implications i**
in vitro and in silico approaches
(2024) *Archiv der Pharmazie*, 357 (2), art. no. 2300544, .

- ### Synthesis of Acyl Hydrazides and Hydrazones from Activated Amides (2024) *Synthesis (Germany)*, .

- Design, Synthesis, and In Vitro and In Vivo Bioactivity Studies of Hydrazide–Hydrazonol Acid**
(2023) *International Journal of Molecular Sciences*, 24 (24), art. no. 17481, .

- Synthesis, Biological, Spectroscopic and Computational Investigations of Novel N-Acy
Pyrrolo[3,4-d]pyridazinone as Dual COX/LOX Inhibitors**
(2023) *Molecules*, 28 (14), art. no. 5479, .

- 6)

Han, M.I., Imamoğlu, N.

Design, Synthesis, and Anticancer Evaluation of Novel Tetracaine Hydrazide-Hydrazones
(2023) *ACS Omega*, 8 (10), pp. 9198-9211.

7) Ahmed, M.A., Shtyrin, V.G., Gubaidullin, A.T., Bukharov, M.S., Serov, N.Yu., Burilov, V.A., Err

New Complexes of Isoniazid Derivative with 3d Metals: Synthesis, Structure and Molec
КОМПЛЕКСЫ ПРОИЗВОДНОГО ИЗОНИАЗИДА С 3d-МЕТАЛЛАМИ: СИНТЕЗ, СТРУКТ
ДОКИНГ]

(2023) *Uchenye Zapiski Kazanskogo Universiteta. Seriya Estestvennye Nauki*, 165 (3), pp. 3

8) Sabithakala, T., Reddy, C.V.R.

DNA-binding, cleavage, antibacterial and in vitro anticancer activity of copper(II) mixed
chloro-1H-benzo[d]imidazol-2-yl)methyl)amino)acetic acid and polypyridyl ligands

(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (4), pp. 1309-1321.

9) Adjissi, L., Chafai, N., Benbouguerra, K., Kirouani, I., Hellal, A., Layaida, H., Elkolli, M., Bensc

Synthesis, characterization, DFT, antioxidant, antibacterial, pharmacokinetics and inhi
protease of some heterocyclic hydrazones

(2022) *Journal of Molecular Structure*, 1270, art. no. 134005, .

10) Katsyuba, S.A., Mustakimova, L.V., Gerasimova, T.P., Burganov, T.I., Sirazieva, A.R., Voroni
Rizvanov, I.K., Mamedov, V.A.

Synthesis and computationally assisted spectroscopic study of tautomerism in 3-(ph
arylhydrazineylidene)methyl)quinoxalin-2(1H)-ones

(2022) *New Journal of Chemistry*, 46 (37), pp. 17889-17902.

11) Somashekar, M.N., Chetana, P.R., Chethan, B.S., Rajegowda, H.R., Cooper, M.A., Ziora, Z.
P.S.S., Srinatha, B.S.

Synthesis and characterization of Zinc(II) complex with ONO donor type new phenylp
ligand: Crystal structure, Hirshfeld surface analysis, DFT, energy frameworks and mo

(2022) *Journal of Molecular Structure*, 1255, art. no. 132429, .

12) Fayed, E.A., Gohar, N.A., Farrag, A.M., Ammar, Y.A.

Upregulation of BAX and caspase-3, as well as downregulation of Bcl-2 during treatm
b]quinoxalin derivatives, mediated apoptosis in human cancer cells

(2022) *Archiv der Pharmazie*, 355 (5), art. no. 2100454, .

13) Paruch, K., Biernasiuk, A., Khylyuk, D., Paduch, R., Wujec, M., Popiołek, Ł.

Synthesis, Biological Activity and Molecular Docking Studies of Novel Nicotinic Acid
(2022) *International Journal of Molecular Sciences*, 23 (5), art. no. 2823, .

14) Zarafu, I., Limban, C., Radulescu, C., Dulama, I.D., Nuta, D.C., Chirita, C., Chifiriuc, M.C., Bleotu, C., Dragu, L.D., Stirbescu, R.M., Bucurica, I.A., Stanescu, S.G., Ionita, P.

Novel Structures of Functionalized Graphene Oxide with Hydrazide: Characterization Antimicrobial and Cytocompatibility Features
(2022) *Coatings*, 12 (1), art. no. 45, .

15) Świątek, P., Glomb, T., Dobosz, A., Gębarowski, T., Wojtkowiak, K., Jezierska, A., Panek, J.

Biological Evaluation and Molecular Docking Studies of Novel 1,3,4-Oxadiazole Derivatives
sulfanylpiperidine-3-carboxamide
(2022) *International Journal of Molecular Sciences*, 23 (1), art. no. 549, .

16) Maniak, H., Talma, M., Giurg, M.

Inhibitory potential of new phenolic hydrazide-hydrazones with a decoy substrate fragment
phytopathogenic fungus: SAR and molecular docking studies
(2021) *International Journal of Molecular Sciences*, 22 (22), art. no. 12307, .

17) Padmavathy, K., Saravanan, V., Gokulakrishnan, K., Sugunadevi, A., Ramalingan, C.

Synthesis and Density Functional Theory Studies of Pyridinyl hydrazide-Tethered Fused
heterocyclic compounds
(2021) *Indian Journal of Heterocyclic Chemistry*, 31 (3), pp. 479-487.

18) Xavier, J.S., Jayabalan, K., Ragavendran, V., Manoharan, M.T., Nityananda Shetty, A.

Virtual and experimental high throughput screening of substituted hydrazones on β -Tubulin
(2021) *Bioorganic Chemistry*, 114, art. no. 105094, .

19) Tolan, D.A., Kashar, T.I., Yoshizawa, K., El-Nahas, A.M.

Synthesis, spectral characterization, density functional theory studies, and biological activity of
metal complexes of a novel hydrazide-hydrazone ligand of isonicotinic acid
(2021) *Applied Organometallic Chemistry*, 35 (6), art. no. e6205, .

- 20) Al-Daghistani, H.I., Mohammad, B.T., Kurniawan, T.A., Singh, D., Rabadi, A.D., Xue, W., Avt Shirazian, S.

Characterization and applications of *Thermomonas hydrothermalis* isolated from Jori biotechnological and medical purposes

(2021) *Process Biochemistry*, 104, pp. 171-181.

- 21) Cukierman, D.S., Evangelista, B.N., Neto, C.C., Franco, C.H.J., Costa, L.A.S., Diniz, R., Lir

Mildness in preparative conditions directly affects the otherwise straightforward synthesis of isoniazid derivatives: Aroylhydrazones and their solvolysis-related dihydrazones

(2021) *Journal of Molecular Structure*, 1228, art. no. 129437, .

- 22) Paruch, K., Popiolek, Ł., Biernasiuk, A., Berecka-rycerz, A., Malm, A., Gumieniczek, A., Wuj

Novel derivatives of 4-methyl-1,2,3-thiadiazole-5-carboxylic acid hydrazide: Synthesis and antimicrobial activity screening

(2021) *Applied Sciences (Switzerland)*, 11 (3), art. no. 1180, pp. 1-12.

- 23) Bose, C., Banerjee, P., Kundu, J., Dutta, B., Ghosh, I., Sinha, S., Ghosh, A., Barua, A., Gupta Sinha, S.

Evaluation of a Tubulin-Targeted Pyrimidine Indole Hybrid Molecule as an Anticancer

(2020) *ChemistrySelect*, 5 (44), pp. 14021-14031.

- 24) Kucukoglu, K., Gul, H.I., Sakagami, H.

Evaluation of Cytotoxic Properties of N,N'-bis[(1-aryl-3-heteroaryl)propylidene]-hydrazides

(2020) *Pharmaceutical Chemistry Journal*, 54 (8), pp. 784-787.

- 25) Bozkurt, E., Sıcak, Y., Oruç-Emre, E.E., Iyidoğan, A.K., Öztürk, M.

Design and Bioevaluation of Novel Hydrazone-Hydrazones Derived from 4-Acetyl-N-Sulfonyl Benzenesulfonamide

(2020) *Russian Journal of Bioorganic Chemistry*, 46 (5), pp. 702-714.

- 26) Mari, G., De Crescentini, L., Benedetti, S., Palma, F., Santeusano, S., Mantellini, F.

Synthesis of new dihydroberberine and tetrahydroberberine analogues and evaluation of their cytotoxic activity on NCI-H1975 cells

(2020) *Beilstein Journal of Organic Chemistry*, 16, pp. 1606-1616.

- 27) Shehadi, I.A., Delmani, F.-A., Jaber, A.M., Hammad, H., AlDamen, M.A., Al-Qawasmeh, R.A. M.A.

Synthesis, characterization and biological evaluation of metal adamantyl 2-pyridylhydrazone derivatives
(2020) *Molecules*, 25 (11), art. no. 2530, .

- 28) Alotabi, S.H.

Synthesis, characterization, anticancer activity, and molecular docking of some new 2-arylidene hydrazones

(2020) *Arabian Journal of Chemistry*, 13 (3), pp. 4771-4784.

- 29) Song, X.-Q., Wang, Z.-G., Wang, Y., Huang, Y.-Y., Sun, Y.-X., Ouyang, Y., Xie, C.-Z., Xu, J.-

Syntheses, characterization, DNA/HSA binding ability and antitumor activities of a series of lanthanide complexes containing hydrazine Schiff base

(2020) *Journal of Biomolecular Structure and Dynamics*, 38 (3), pp. 733-743.

- 30) De Falco, A., Kincheski, G.C., Atrián-Blasco, E., Hureau, C., Ferreira, S.T., Rey, N.A.

The aroylhydrazone INHHQ prevents memory impairment induced by Alzheimer's-linked amyloid-beta in mice

(2020) *Behavioural Pharmacology*, 31 (8), pp. 738-747.

- 31) Brum, J.O.C., França, T.C.C., Laplante, S.R., Villar, J.D.F.

Synthesis and biological activity of hydrazones and derivatives: A review

(2020) *Mini-Reviews in Medicinal Chemistry*, 20 (5), pp. 342-368.

- 32) Jęsełkowiak, I., Ryng, S., Świtalska, M., Wietrzyk, J., Bryndal, I., Lis, T., Mączynski, M.

The N'-Substituted derivatives of 5-chloro-3-methylisothiazole-4-carboxylic acid hydrazide: Synthesis and biological activity

(2020) *Molecules*, 25 (1), art. no. 88, .

- 33) Abuelazm, M.G., El-Gammal, O.A., Mandour, S.A.

Binuclear metal complexes of a symmetric polydentate donor hydrazone: Synthesis, characterization, DFT computational and biological studies

(2019) *Biointerface Research in Applied Chemistry*, 9 (6), pp. 4547-4559.

- 34) Choppara, P., Bethu, M.S., Vara Prasad, Y., Venkateswara Rao, J., Uday Ranjan, T.J., Siva Murthy, Y.L.N.

Synthesis, characterization and cytotoxic investigations of novel bis(indole) analogue
(2019) *Arabian Journal of Chemistry*, 12 (8), pp. 2721-2731.

- 35) Fonkui, T.Y., Ikhile, M.I., Njobeh, P.B., Ndinteh, D.T.

Benzimidazole schiff base derivatives: Synthesis, characterization and antimicrobial
(2019) *BMC Chemistry*, 13 (1), art. no. 127, .

- 36) Mohareb, R.M., EL-Sharkawy, K.A., Al Farouk, F.O.

Synthesis, cytotoxicity against cancer and normal cell lines of novel hydrazide–hydra chromen-5-one
(2019) *Medicinal Chemistry Research*, 28 (11), pp. 1885-1900.

- 37) Jęskowiak, I., Mączyński, M., Trynda, J., Wietrzyk, J., Ryng, S.

The 5-hydrazino-3-methylisothiazole-4-carboxylic acid, its new 5-substituted derivative activity
(2019) *Bioorganic Chemistry*, 91, art. no. 103082, .

- 38) Singh, H., Singh, J.V., Bhagat, K., Gulati, H.K., Sanduja, M., Kumar, N., Kinarivala, N., Shari

Rational approaches, design strategies, structure activity relationship and mechanist coumarin hybrids
(2019) *Bioorganic and Medicinal Chemistry*, 27 (16), pp. 3477-3510.

- 39) Sıcak, Y., Oruç-Emre, E.E., Öztürk, M., Taşkın-Tok, T., Karaküçük-Iyidoğan, A.

Novel fluorine-containing chiral hydrazide-hydrazones: Design, synthesis, structural anticholinesterase activity, and in silico studies
(2019) *Chirality*, 31 (8), pp. 603-615.

- 40) Liu, E., Li, L., Davis, K., Zhang, G.

Synthesis and structural characterization of dinuclear Zinc(II) and Europium(III) comp hydrazone ligand
(2019) *Journal of Molecular Structure*, 1188, pp. 1-6.

41) Kargar, H., Torabi, V., Akbari, A., Behjatmanesh-Ardakani, R., Tahir, M.N.

Synthesis, crystal structure, experimental and theoretical studies of tetradentate N 2 (Ni(II) and Pd(II) complexes

(2019) *Journal of the Iranian Chemical Society*, 16 (5), pp. 1081-1090.

42) Sreenivasulu, R., Reddy, K.T., Sujitha, P., Kumar, C.G., Raju, R.R.

Synthesis, antiproliferative and apoptosis induction potential activities of novel bis(in derivatives

(2019) *Bioorganic and Medicinal Chemistry*, 27 (6), pp. 1043-1055.

43) Kasaboina, S., Bollu, R., Ramineni, V., Gomedhika, P.M., Korra, K., Basaboina, S.R., Holagi Dumala, N., Grover, P., Bathini, R., Vijjulatha, M.

Novel benzosuberone conjugates as potential anti-proliferative agents: Design, synth studies

(2019) *Journal of Molecular Structure*, 1180, pp. 355-362.

44) Lukov, V.V., Shcherbakov, I.N., Levchenkov, S.I., Tupolova, Y.P., Popov, L.D., Pankov, I.V., F

Controlled Molecular Magnetism of Bi- and Polynuclear Transition Metal Complexes E Azomethines, and Their Analogs

(2019) *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, 45 (3), pp. 1

45) Tariq, Q.-U.-N., Malik, S., Khan, A., Naseer, M.M., Khan, S.U., Ashraf, A., Ashraf, M., Rafiq, Shafiq, Z.

Xanthenone-based hydrazones as potent α -glucosidase inhibitors: Synthesis, solid s silico studies

(2019) *Bioorganic Chemistry*, 84, pp. 372-383.

46) Peikova, L., Tzankova, D., Dineva, A., Georgieva, M., Zlatkov, A.

Development of a chiral RP-HPLC method for identification of stereomers of newly sy hydrazidehydrazone compound

(2019) *Pharmacia*, 66 (1), pp. 1-6.

47) Mostafa, A.S., Bayoumi, W.A., El-Mesery, M., Elgaml, A.

Molecular design and synthesis of new 3,4-dihydropyrimidin-2(1H)-ones as potential anti-VEGFR-2 inhibiting activity

(2019) *Anti-Cancer Agents in Medicinal Chemistry*, 19 (3), pp. 310-322.

- 48) Goud, N.S., Ghouse, M.S., Vishnu, J., Pranay, J., Alvala, R., Talla, V., Qureshi, I.A., Alvala, I.

Synthesis and biological evaluation of novel heterocyclic imines linked coumarin- thi agents

(2019) *Anti-Cancer Agents in Medicinal Chemistry*, 19 (4), pp. 557-566.

- 49) Dongare, S.B., Bandgar, B.P., Bhale, P.S., Shringare, S.N., Chavan, H.V.

Design, synthesis, and spectroscopic study of 7-azaindolyl hydrazones with anti-bre

(2019) *Croatica Chemica Acta*, 92 (1), pp. 1-9.

- 50) Świątek, P., Saczko, J., Rembiałkowska, N., Kulbacka, J.

Synthesis of new hydrazone derivatives and evaluation of their efficacy as proliferatic cells

(2019) *Medicinal Chemistry*, 15 (8), pp. 903-910.

- 51) Bouzayani, N., Marque, S., Kacem, Y., Kraïem, J., Bourdreux, F., Marrot, J., Ben Hassine, B

Chiral arylideneaminoimidazolidin-4-ones: Green synthesis and isomerisation mecha

(2019) *New Journal of Chemistry*, 43 (12), pp. 4777-4786.

- 52) Majoumo-Mbe, F., Ngwang Nfor, E., Kenfack Tsobnang, P., Nguempeni Eloundou, V.B., Ngv

Synthesis, molecular and crystal structure of 1-(1,2-dihydrophthalazin-1-ylidene)-2-[1-yl)ethylidene]hydrazine

(2019) *Acta Crystallographica Section E: Crystallographic Communications*, 75, pp. 251-254

- 53) Fonkui, T.Y., Ikhile, M.I., Ndinteh, D.T., Njobeh, P.B.

Microbial activity of some heterocyclic schiff bases and metal complexes: A review

(2018) *Tropical Journal of Pharmaceutical Research*, 17 (12), pp. 2507-2518.

- 54) Bonnett, S.A., Dennison, D., Files, M., Bajpai, A., Parish, T.

A class of hydrazones are active against nonreplicating Mycobacterium tuberculosis

(2018) *PLoS ONE*, 13 (10), art. no. e0198059, .

- 55) Ramachandran, E., Gandin, V., Bertani, R., Sgarbossa, P., Natarajan, K., Bhuvanesh, N.S.F A., Dolmella, A., Albinati, A., Marzano, C.

Synthesis, characterization and cytotoxic activity of novel copper(II) complexes with 2-Oxo-1,2-dihydrobenzo[h]quinoline-3-carbaldehyde
(2018) *Journal of Inorganic Biochemistry*, 182, pp. 18-28.

- 56) Rudavath, D., Sreenivasulu, R., Pinapati, S.R., Raju, R.R.

Synthesis and anticancer evaluation of indazole-aryl hydrazide-hydrazone derivatives
(2018) *Journal of the Indian Chemical Society*, 95 (4), pp. 433-438.

- 57) Wang, H., Cai, Z., Zheng, S., Ma, H., Lin, H., Zheng, X.

Design, synthesis and biological evaluation of some novel thiazole-2-carboxamide derivatives
(2018) *Letters in Drug Design and Discovery*, 15 (4), pp. 388-397.

- 58) Jankulovska, M.S., Spirevska, I., Dimova, V.

Investigation of dissociation process of some 4-methoxybenzaldehyde benzoylhydrazide derivatives by UV spectroscopy
(2018) *Letters in Organic Chemistry*, 15 (6), pp. 515-522.

- 59) Fahim, A.M., Farag, A.M., Yakout, E.S.M.A., Nawwar, G.A.M., Ragab, E.A.

Sun degradation and synthesis of new antimicrobial and antioxidant utilising poly (ethylene glycol) and poly (vinyl alcohol)
(2018) *International Journal of Environment and Waste Management*, 22 (1-4), pp. 239-259.

- 60) Debbih, O.D., Sid, A., Bouchene, R., Bouacida, S., Mazouz, W., Gherraf, N.

Two hydrazones derived from 1-aryl-3-(P-substituted phenyl)prop-2-en-1-one: Synthesis, crystal structure, surface analysis and in vitro biological properties
(2018) *Acta Crystallographica Section C: Structural Chemistry*, 74, pp. 703-714.

- 61) Khanfar, M.A., Jaber, A.M., AlDamen, M.A., Al-Qawasmeh, R.A.

Synthesis, characterization, crystal structure, and DFT study of a new square planar copper(II) complex with a bulky adamantane ligand
(2018) *Molecules*, 23 (3), art. no. 701, .

62) Aboelmagd, A., Salem, E.M.S., Ali, I.A.I., Gomaa, M.S.

Synthesis of quinazolindionyl amino acid and hydrazone derivatives as possible antit
(2017) *Arkivoc*, 2018 (3), pp. 20-35.

63) Kaya, B., Hussin, W., Yurttaş, L., Turan-Zitouni, G., Gençer, H.K., Baysal, M., Karaduman, A

Design and Synthesis of New 1,3,4-Oxadiazole - Benzothiazole and Hydrazone Deriva
Chemotherapeutic Agents
(2017) *Drug Research*, 67 (5), pp. 275-282.

64) Shaheen, A., Akhtar, S., Ahmad, S., Aziz-Ur-Rehman, Saeed, A., Sharif, A., Mustaqeem, M.,

Antimicrobial Activities, Characterization and Synthesis of Organotin(IV) Complexes
Derivative
(2017) *Journal of Pure and Applied Microbiology*, 11 (1), pp. 141-150.

65) Sreenivasulu, R., Sujitha, P., Jadav, S.S., Ahsan, M.J., Kumar, C.G., Raju, R.R.

Synthesis, antitumor evaluation, and molecular docking studies of indole-indazolyl h
derivatives
(2017) *Monatshefte fur Chemie*, 148 (2), pp. 305-314.

66) Bouhadir, K., Atallah, H., Mezher, R., Fatfat, M., Gali-Muhtasib, H., Elaridi, J.

Synthesis and biological assessment of novel acylhydrazone derivatives of 2-methyl-
(2017) *Organic Communications*, 10 (4), pp. 259-272.

67) Haque, M.A., Chaudhary, R.G., Paliwal, L.J.

Synthesis, structural, morphological, and thermal decomposition kinetics of Iron (II) c
sebacoyl bis (isonicotinoylhydrazone)
(2017) *Inorganica Chimica Acta*, 462, pp. 298-307.

68) Bonnett, S.A., Ollinger, J., Chandrasekera, S., Florio, S., O'Malley, T., Files, M., Jee, J.-A., A
Roberts, D., Korkegian, A., Parish, T.

A Target-Based Whole Cell Screen Approach to Identify Potential Inhibitors of Mycob
Peptidase
(2016) *ACS Infectious Diseases*, 2 (12), pp. 893-902.

- 69) Abid, O.-U.-R., Ayaz, M., Rehman, W., Mehdi, K., Ali, A., Wadood, A., Rahim, F., Sultan, A., M.T.

Synthesis, Enzyme Inhibition, and Molecular Docking Studies of Hydrazones from Dic
(2016) *Journal of the Chinese Chemical Society*, 63 (12), pp. 1015-1021.

- 70) Tavakolfar, S., Mousavi, E., Almasirad, A., Amanzadeh, A., Atyabi, S.M., Yaghamii, P., Sami

In vitro anticancer effects of two new potent hydrazide compounds on leukemic cells
(2016) *Anti-Cancer Agents in Medicinal Chemistry*, 16 (12), pp. 1646-1651.

- 71) Kumar, D., Jain, S.K.

A comprehensive review of N-heterocycles as cytotoxic agents
(2016) *Current Medicinal Chemistry*, 23 (38), pp. 4338-4394.

- 72) Khan, M.-U.-H., Hameed, S., Akhtar, T., Al-Masoudi, N.A., Al-Masoudi, W.A., Jones, P.G., Pa

Synthesis, crystal structure, anti-HIV, and antiproliferative activity of new oxadiazole :
(2016) *Medicinal Chemistry Research*, 25 (10), pp. 2399-2409.

- 73) Ghorab, M.M., Ragab, F.A., Heiba, H.I., Soliman, A.M.

Design and synthesis of some novel 4-Chloro-N-(4-(1-(2-(2-cyanoacetyl)hydrazono)etl
benzenesulfonamide derivatives as anticancer and radiosensitizing agents
(2016) *European Journal of Medicinal Chemistry*, 117, pp. 8-18.

- 74) Shagufta, Ahmad, I.

Recent insight into the biological activities of synthetic xanthone derivatives
(2016) *European Journal of Medicinal Chemistry*, 116, pp. 267-280.

- 75) Das Mukherjee, D., Kumar, N.M., Tantak, M.P., Das, A., Ganguli, A., Datta, S., Kumar, D., Cl

Development of Novel Bis(indolyl)-hydrazide-Hydrazone Derivatives as Potent Microti
Agents against A549 Lung Cancer Cells
(2016) *Biochemistry*, 55 (21), pp. 3020-3035.

- 76)

Namratha, B., Shetty, N.S., Gaonkar, S.L.

Synthesis and antibacterial screening of few new 5-membered heterocyclic sugar hydraz
(2016) *Asian Journal of Pharmaceutical and Clinical Research*, 9 (3), 4 p.

77) Li, L., Zhang, Y.Z., Liu, E., Yang, C., Golen, J.A., Rheingold, A.L., Zhang, G.

Synthesis and structural characterization of zinc(II) and cobalt(II) complexes based on ligands

(2016) *Journal of Molecular Structure*, 1110, pp. 180-184.

78) Nogueira, V.D.S., Ramalho Freitas, M.C., Cruz, W.S., Ribeiro, T.S., Resende, J.A.L.C., Rey,

Structural and spectroscopic investigation on a new potentially bioactive di-hydrazon heterocyclic rings

(2016) *Journal of Molecular Structure*, 1106, pp. 121-129.

79) Fahim, A.M., Yakout, E.-S.M.A., Ragab, E.A., Farag, A.M., Nawwar, G.A.M.

Synthesis, biological evaluation of 1,3,4-oxadiazole, triazole and uracil derivatives from terephthalate) waste

(2016) *Egyptian Journal of Chemistry*, 59 (3), pp. 285-303.

80) El-Gammal, O.A., Saad, D.A., El-Asmy, A.A.

Synthesis of Copper complexes of a new symmetrical dihydrazone: Characterization, calculations and biological activity

(2016) *Der Pharma Chemica*, 8 (19), pp. 317-327.

81) Inam, A., Mittal, S., Rajala, M.S., Avecilla, F., Azam, A.

Synthesis and biological evaluation of 4-(2-(dimethylamino)ethoxy)benzohydrazide derivative against Entamoeba histolytica

(2016) *European Journal of Medicinal Chemistry*, 124, pp. 445-455.

82) Hayat, F., Azam, A., Shin, D.

Recent progress on the discovery of antiamebic agents

(2016) *Bioorganic and Medicinal Chemistry Letters*, 26 (21), pp. 5149-5159.

83)

Angelov, D.I., Angelova, V.T., Voynikov, Y., Kaloyanov, K., Yotova, M., Konstantinov, S.

In vitro evaluation of cytotoxic activity of hydrazide/hydrazones based on 4-chlorocoumarin against leukemic cells and induction of apoptosis

(2016) *Comptes Rendus de L'Academie Bulgare des Sciences*, 69 (9), pp. 1231-1238.

84) Constantin, S., Buron, F., Routier, S., Confederat, L., Iacob, A.T., Miron, A., Profire, L.

Studies on xanthine derivatives (II). Synthesis and antioxidant effects of some hydrazones

(2016) *Farmacia*, 64 (4), pp. 565-571.

85) Buduma, K., Chinde, S., Dommati, A.K., Sharma, P., Shukla, A., Srinivas, K.V.N.S., Arigari, I., Grover, P., Jonnala, K.K.

Synthesis and evaluation of anticancer and antiobesity activity of 1-ethoxy carbonyl-3-methylene-4-piperidone analogs

(2016) *Bioorganic and Medicinal Chemistry Letters*, 26 (6), pp. 1633-1638.

86) Tripathi, R.K.P., Ayyannan, S.R.

Design, Synthesis, and Evaluation of 2-Amino-6-nitrobenzothiazole-Derived Hydrazones with the Methylene Spacer Group

(2016) *ChemMedChem*, pp. 1551-1567.

87) He, H., Wang, X., Shi, L., Yin, W., Yang, Z., He, H., Liang, Y.

Synthesis, antitumor activity and mechanism of action of novel 1,3-thiazole derivative hydrazones and carboxamide moiety

(2016) *Bioorganic and Medicinal Chemistry Letters*, 26 (14), pp. 3263-3270.

88) Tok, F., Beyhan, N., Erzurumlu, Y., İlhan, R., Ballar, P., Kocyigit-Kaymakcioglu, B.

Antiproliferative activity of some tautomeric hydrazones derived from chalcones [Şallı edilen bazı tautomerik hidrazonların antiproliferatif aktiviteleri]

(2016) *Marmara Pharmaceutical Journal*, 20 (2), pp. 157-163.

89) Mezey, R.-Ş., Máthé, I., Shova, S., Grecu, M.-N., Roşu, T.

Synthesis, characterization and antimicrobial activity of copper(II) complexes with hydroxy-5-(hydroxymethyl)-2-methylpyridine-4-carbaldehyde

(2015) *Polyhedron*, 102, pp. 684-692.

90) Dikkar, A.B., Pethe, G.B., Aswar, A.S.

Solute-solvent interactions in solutions of 2-hydroxy-5-chloro-3-nitroacetophenone in dimethylformamide at 298-313 K according to ultrasonic and viscometric data
(2015) *Russian Journal of Physical Chemistry A*, 89 (12), pp. 2197-2203.

91) Kaki, G.R., Sreenivasulu, B., Islam, A., Nageshwar, D., Korupolu, R., Rao, B.V.

Synthesis and antibacterial activity of hydrazone derivatives bearing 3-(6,7-dihydrothiophen-2-ylsulfonyl)benzoic acid scaffold
(2015) *Asian Journal of Chemistry*, 27 (10), pp. 3586-3590.

92) Prasanna, V.L., Narender, R.

Synthesis and antimicrobial activity of new imidazole-hydrazone derivatives
(2015) *Asian Journal of Chemistry*, 27 (10), pp. 3605-3608.

93) Emami, S., Dadashpour, S.

Current developments of coumarin-based anti-cancer agents in medicinal chemistry
(2015) *European Journal of Medicinal Chemistry*, 102, art. no. 8069, pp. 611-630.

94) Yatcherla, S.R., Islam, A., Dussa, N., Bollikolla, H.B.

Synthesis, characterization and antibacterial activity of some new 3-(3-(trifluoromethyl)phenyl)-propanehydrazones
(2015) *Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry*, 54B (9), p

95) Paterna, A., Borralho, P.M., Gomes, S.E., Mulhovo, S., Rodrigues, C.M.P., Ferreira, M.-J.U.

Monoterpene indole alkaloid hydrazone derivatives with apoptosis inducing activity in HepG2 liver carcinoma cells
(2015) *Bioorganic and Medicinal Chemistry Letters*, 25 (17), art. no. 22874, pp. 3556-3559.

96) Ansari, M.F., Siddiqui, S.M., Agarwal, S.M., Vikramdeo, K.S., Mondal, N., Azam, A.

Metronidazole hydrazone conjugates: Design, synthesis, antiamoebic and molecular docking studies
(2015) *Bioorganic and Medicinal Chemistry Letters*, 25 (17), art. no. 22881, pp. 3545-3549.

97)

El-Gammal, O.A., El-Reash, G.M.A., Yousef, T.A., Mefreh, M.

Synthesis, spectral characterization, computational calculations and biological activity of from NNO donor Schiff-base ligand

(2015) *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 146, pp. 163-171.

98) Kumar, D., Singh, S., Neelam, Singh, S.

Eco Friendly Microwave Assisted Rapid and Efficient Synthesis, Spectroscopic Studies of Bivalent Transition Metal Complexes of Hydrazones

(2015) *Proceedings of the National Academy of Sciences India Section A - Physical Science*

99) Idemudia, O.G., Sadimenko, A.P., Afolayan, A.J.

Potential therapeutic Mn²⁺ and Ni²⁺ complexes of new 4-acetyl-3-methyl-1-phenyl-2-phenylhydrazone Amp-Ph

(2015) *Macromolecular Symposia*, 351 (1), pp. 61-68.

100) Vasantha, K., Basavarajaswamy, G., Vaishali Rai, M., Boja, P., Pai, V.R., Shruthi, N., Bhat, N.

Rapid 'one-pot' synthesis of a novel benzimidazole-5-carboxylate and its hydrazone derivatives as anti-inflammatory and antimicrobial agents

(2015) *Bioorganic and Medicinal Chemistry Letters*, 25 (7), pp. 1420-1426.

101) Glinma, B., Gbaguidi, F.A., Kassehin, U.C., Kpoviessi, S.D.S., Houngbeme, A., Houngue, I., Poupaert, J.H.

Synthesis and trypanocidal activity of salicylhydrazones and p-tosylhydrazones of 5-substituted 1H-tetrazole-4-carboxylic acids on African trypanosomiasis

(2015) *Journal of Applied Pharmaceutical Science*, 5 (6), pp. 001-007.

102) Katiyar, A., Hegde, M., Kumar, S., Gopalakrishnan, V., Bhatelia, K.D., Ananthaswamy, K., Fulekar, M., Choudhary, B., Schols, D., Raghavan, S.C., Karki, S.S.

Synthesis and evaluation of the biological activity of N'-[2-oxo-1,2 dihydro-3H-indol-3-ylidene]hydrazides as potential anticancer agents

(2015) *RSC Advances*, 5 (56), pp. 45492-45501.

103) Popov, L.D., Levchenkov, S.I., Shcherbakov, I.N., Aleksandrov, G.G., Starikova, Z.A., Lukovskaya, I.A.

Molecular and crystal structure of iron(III) and nickel(II) complexes with 1'-phthalaziridine carbonyl compounds

(2015) *Journal of Structural Chemistry*, 56 (1), pp. 102-107.

104) Chumakov, Y.M., Paholnitcaia, A.Y., Petrenko, P.A., Tsapkov, V.I., Poirier, D., Gulea, A.P.

Crystal structures of nitrate-{2-[2-(1-pyridine-2-ylethylidene)hydrazine]-1,3-benzothiazole-5-ylidene}-copper
(2015) *Crystallography Reports*, 60 (1), pp. 75-82.

105) Bhat, M.A., Iqbal, M., Al-Dhfyan, A., Shakeel, F.

Carvone Schiff base of isoniazid as a novel antitumor agent: Nanoemulsion development and evaluation
(2015) *Journal of Molecular Liquids*, 203, pp. 111-119.

106) Bitmez, Ş., Sayin, K., Avar, B., Köse, M., Kayraldiz, A., Kurtulu, M.

Preparation, spectral, X-ray powder diffraction and computational studies and genotoxicity of azomethine metal chelates
(2014) *Journal of Molecular Structure*, 1076, pp. 213-226.

107) Yadagiri, B., Holagunda, U.D., Bantu, R., Nagarapu, L., Guguloth, V., Polepally, S., Jain, N

Rational design, synthesis and anti-proliferative evaluation of novel benzosuberone hydrazones
(2014) *Bioorganic and Medicinal Chemistry Letters*, 24 (21), pp. 5041-5044.

108) Shakeel, F., Bhat, M.A., Haq, N.

Solubility of N-(4-chlorophenyl)-2-(pyridin-4-ylcarbonyl) hydrazinecarbothioamide (isomers) in various solvents at (298.15 to 338.15) K
(2014) *Journal of Chemical and Engineering Data*, 59 (8), pp. 2660-2664.

109) Shakeel, F., Bhat, M.A., Haq, N.

Solubility of N-(4-chlorophenyl)-2-(pyridin-4-ylcarbonyl) hydrazinecarbothioamide (isomers) in transcutol + water cosolvent mixtures at (298.15 to 338.15) K
(2014) *Journal of Chemical and Engineering Data*, 59 (5), pp. 1727-1732.

110) Raghav, N., Singh, M.

Acyl hydrazides and triazoles as novel inhibitors of mammalian cathepsin B and cathepsin L
(2014) *European Journal of Medicinal Chemistry*, 77, pp. 231-242.

111) Nasr, T., Bondock, S., Youns, M.

Anticancer activity of new coumarin substituted hydrazide-hydrazone derivatives
(2014) *European Journal of Medicinal Chemistry*, 76, pp. 539-548.

112) Cheng, Q.-R., Zhang, Y., Zhou, H., Pan, Z.-Q., Xu, Z.-G.

Syntheses, structures and properties of two unsymmetrical bis-furan pendant-armec complexes
(2014) *Chinese Journal of Inorganic Chemistry*, 30 (11), pp. 2591-2600.

113) Hajikhani, R., Ahmadi, A., Nahri-Niknafs, B.

Microwave assisted synthesis and antimicrobial evaluation of phosphonohydrazone
(2014) *Bulgarian Chemical Communications*, 46 (4), pp. 731-734.

114) Shakhofa, M.M.E., Shtaiwi, M.H., Morsy, N., Abdel-Rassel, T.M.A.

Metal complexes of hydrazones and their biological, analytical and catalytic applications
(2014) *Main Group Chemistry*, 13 (3), pp. 187-218.

115) Desai, D.D., Desai, G.C.

Hydrazones: Synthesis, biological activity and their spectral characterization
(2014) *Journal of Chemical and Pharmaceutical Research*, 6 (7), pp. 1704-1708.

116) Zhang, D., Ma, Y., Liu, Y., Liu, Z.-P.

Synthesis of sulfonylhydrazone- and acylhydrazone-substituted 8-ethoxy-3-nitro-2H-antiproliferative and apoptosis inducing agents
(2014) *Archiv der Pharmazie*, 347 (8), pp. 576-588.

117) António, J.P.M., Frade, R.F.M., Santos, F.M.F., Coelho, J.A.S., Afonso, C.A.M., Gois, P.M.P

NHC catalysed direct addition of HMF to diazo compounds: Synthesis of acyl hydrazones
(2014) *RSC Advances*, 4 (55), pp. 29352-29356.

118)

Asegbeloyin, J.N., Okafor, E.C., Ukwueze, N.N., Babahan, I., Agbo, I.C.

Synthesis, characterization and antimicrobial screening of some 4-acylpyrazoloimines and metal(II) complexes

(2014) *Asian Journal of Chemistry*, 26 (9), pp. 2753-2758.

119) Zitouni, G.T., Altıntop, M.D., Özdemir, A., Kaplancikli, Z.A., Dikmen, M.

Synthesis of some hydrazone derivatives bearing purine moiety as anticancer agent
pürin parçası taşıyan bazı hidrazon türevlerinin sentezi

(2014) *Turkish Journal of Pharmaceutical Sciences*, 11 (1), pp. 55-65.

120) Naveen Kumar, H.S., Parumasivam, T., Jumaat, F., Ibrahim, P., Asmawi, M.Z., Sadikun, A.

Synthesis and evaluation of isonicotinoyl hydrazone derivatives as antimycobacterials

(2014) *Medicinal Chemistry Research*, 23 (1), pp. 269-279.

121) Kaplancikli, Z.A., Yurttaş, L., Turan-Zitouni, G., Özdemir, A., Göger, G., Demirci, F., Mohseni

Synthesis and antimicrobial activity of new pyrimidine-hydrazones

(2014) *Letters in Drug Design and Discovery*, 11 (1), pp. 76-81.

122) El-Gammal, O.A., Elmorsy, E.A., Sherif, Y.E.

Evaluation of the anti-inflammatory and analgesic effects of Cu(II) and Zn(II) complexes of 1-(2-hydroxy-5-oxo-1-phenyl-1H-pyrazol-4-yl)-N'-(1-(pyridin-2-yl) ethylidene) acetohydrazide

(2014) *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 120, pp. 303-312.

123) Borazjani, M.K., Safaei, H.R., Panahandeh, M., Kiani, A.R., Kiani, M., Mofarahi, M.

Oxidized single-walled carbon nanotubes (swcns-cooh) as a new catalyst for the preparation of hydrazones

(2013) *South African Journal of Chemistry*, 66, pp. 279-281.

124) Faidallah, H.M., Rostom, S.A.F., Basaif, S.A., Makki, M.S.T., Khan, K.A.

Synthesis and biological evaluation of some novel urea and thiourea derivatives of 1-phenyl-1H-pyrazolo[4,5-d]pyridazine as antimicrobial agents

(2013) *Archives of Pharmacal Research*, 36 (11), pp. 1354-1368.

125)

Synthesis and biological evaluation of novel acylhydrazone derivatives as potential antitumor agents
(2013) *Bioorganic and Medicinal Chemistry*, 21 (21), pp. 6592-6599.

- 126) Levchenkov, S.I., Shcherbakov, I.N., Popov, L.D., Lyubchenko, S.N., Suponitskii, K.Y., Tsatkov, V.A.

Transition metal complexes with 2,6-Di-tert-butyl-p-quinone 1'-phthalazinyldihydrazone
(2013) *Russian Journal of General Chemistry*, 83 (10), pp. 1928-1936.

- 127) Gokce, C., Gup, R.

Synthesis and characterisation of Cu(II), Ni(II), and Zn(II) complexes of furfural derivative bearing aliphatic groups and their interactions with DNA
(2013) *Chemical Papers*, 67 (10), pp. 1293-1303.

- 128) Levchenkov, S.I., Popov, L.D., Shcherbakov, I.N., Aleksandrov, G.G., Zubenko, A.A., Kogalovskiy, V.A.

Tautomerism of substituted salicylaldehyde and 2-diphenylphosphinebenzaldehyde: X-ray crystallography and quantum chemical modeling
(2013) *Journal of Structural Chemistry*, 54 (5), pp. 952-959.

- 129) Bhat, M.A., Al-Omar, M.A., Siddiqui, N.

Antimicrobial activity of Schiff bases of coumarin-incorporated 1,3,4-oxadiazole derivatives
(2013) *Medicinal Chemistry Research*, 22 (9), pp. 4455-4458.

- 130) Popov, L.D., Levchenkov, S.I., Shcherbakov, I.N., Aleksandrov, G.G., Tupolova, Yu.P., Lukatskiy, V.A.

Crystal structure of the polycyclic oxidation product of 1'-phthalazinyldihydrazone of 2,6-di-tert-butyl-p-quinone
(2013) *Journal of Structural Chemistry*, 54 (3), pp. 619-623.

- 131) Çikla, P., Özsavci, D., Bingöl-Özakpınar, O., Şener, A., Çevik, O., Özbaş-Turan, S., Akbuğ

Synthesis, cytotoxicity, and pro-apoptosis activity of etodolac hydrazide derivatives
(2013) *Archiv der Pharmazie*, 346 (5), pp. 367-379.

- 132) Gökçe, C., Gup, R.

Synthesis, characterization and DNA interaction of the transition metal complexes with 2-aryldiazones

(2013) *Main Group Chemistry*, 12 (1), pp. 25-38.

133) Hajikhani, R., Ahmadi, A., Niknafs, B.N.

Microwave assisted efficient one-pot synthesis, characterization of organophosphor derivatives under solvent-free conditions and their antimicrobial activity

(2013) *Middle East Journal of Scientific Research*, 13 (9), pp. 1186-1189.

134) Tatar, E., Küçükgüzel, I., Daelemans, D., Talele, T.T., Kaushik-Basu, N., De Clercq, E., Pan

Some hydrazones of 2-arylamino-3-methylbutanohydrazide: Synthesis, molecular identification as stereoselective inhibitors of HIV-1

(2013) *Archiv der Pharmazie*, 346 (2), pp. 140-153.

135) Harinath, Y., Harikishore Kumar Reddy, D., Naresh Kumar, B., Apparao, C., Sessaiah, K.

Synthesis, spectral characterization and antioxidant activity studies of a bidentate S 2-carboxaldehyde-carbohydrazone and its Cd(II), Cu(II), Ni(II) and Zn(II) complexes

(2013) *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 101, pp. 2

136) Gopinath, P., Ramalingam, K., Muraleedharan, K.M., Karunakaran, D.

Benzisothiazolones arrest the cell cycle at the G2/M phase and induce apoptosis in I

(2013) *MedChemComm*, 4 (4), pp. 749-752.

137) Swamy, D.K., Pachling, S.P., Bhagat, T.M.

Synthesis, characterization, antibacterial and antifungal studies on metal complexes

(2012) *Rasayan Journal of Chemistry*, 5 (2), pp. 208-213.

138) Altıntop, M.D., Özdemir, A., Turan-Zitouni, G., Ilgın, S., Atlı, Ö., Işcan, G., Kaplanlı, Z.A.

Synthesis and biological evaluation of some hydrazone derivatives as new anticancer

(2012) *European Journal of Medicinal Chemistry*, 58, pp. 299-307.

139) Dilek, N., Gunes, B., Güp, R.

4-Butoxy-N'-[1-(4-methylphenyl)ethylidene]benzohydrazide

(2012) *Acta Crystallographica Section E: Structure Reports Online*, 68 (9), pp. o2763.

- 140) Recio Despaigne, A.A., Da Costa, F.B., Piro, O.E., Castellano, E.E., Louro, S.R.W., Beraldo, C.
Complexation of 2-acetylpyridine- and 2-benzoylpyridine-derived hydrazones to copper(II) for antimicrobial activity improvement
(2012) *Polyhedron*, 38 (1), pp. 285-290.
- 141) Idemudia, O.G., Sadimenko, A.P., Afolayan, A.J., Hosten, E.C.
3-Methyl-1-phenyl-4-[(phenyl)(2-phenyl-hydrazin-1-yl)methylidene] -1H-pyrazol-5(4H)-one
(2012) *Acta Crystallographica Section E: Structure Reports Online*, 68 (5), pp. o1280-o1284.
- 142) Torje, I.A., Vălean, A.-M., Cristea, C.
Phenothiazine-carboxaldehyde-hydrazone derivatives synthesis, characterization and antimicrobial activity
(2012) *Revue Roumaine de Chimie*, 57 (4-5), pp. 337-344.
- 143) John Maria Xavier, A., Thakur, M., Margaret Marie, J.
Synthesis and spectral characterisation of hydrazone based 14-membered octaaza macrocyclic compounds
(2012) *Journal of Chemical and Pharmaceutical Research*, 4 (2), pp. 986-990.
- 144) Mohamad Ali, A.S., Razak, N.A., Ab Rahman, I.
Study on the preparation of a Sol-Gel sorbent based thiosemicarbazone for selective determination of lead(II) ions
(2012) *World Applied Sciences Journal*, 16 (8), pp. 1040-1047.
- 145) Bryleva, M.A., Kravtsova, A.N., Shcherbakov, I.N., Levchenkov, S.I., Popov, L.D., Kogan, V.Ya.V., Trigub, A.L., Soldatov, A.V.
X-ray absorption spectroscopic and magnetochemical analysis of the atomic structure of the complex of diacetyl monoxime 1-phthalazinyl hydrazone
(2012) *Journal of Structural Chemistry*, 53 (2), pp. 295-305.
- 146) El-Gammal, O.A., El-Reash, G.A., Ahmed, S.F.
Structural, spectral, thermal and biological studies on 2-oxo-N'-((4-oxo-4H-chromen-2-yl)phenylamino)acetohydrazide (H 2L) and its metal complexes
(2012) *Journal of Molecular Structure*, 1007, pp. 1-10.

147) Kumar, D., Maruthi Kumar, N., Ghosh, S., Shah, K.

Novel bis(indolyl)hydrazide-hydrazones as potent cytotoxic agents
(2012) *Bioorganic and Medicinal Chemistry Letters*, 22 (1), pp. 212-215.

148) Ahmed, S.F., El-Gammal, O.A., El-Reash, G.A.

Synthesis, spectroscopic characterization and thermal behavior of metal complexes hydroxyphenyl) ethylidene)-2-oxo-2- (phenylamino) acetohydrazide (H 3OPAH)
(2011) *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 83 (1), pp

149) Singh, M., Raghav, N.

Biological activities of hydrazones: A review
(2011) *International Journal of Pharmacy and Pharmaceutical Sciences*, 3 (4), pp. 26-32.

150) Patel, N.B., Patel, J.C.

Synthesis and antimicrobial activity of Schiff bases and 2-azetidinones derived from
(2011) *Arabian Journal of Chemistry*, 4 (4), pp. 403-411.

151) Popov, L.D., Mishchenko, A.V., Tupolov, Yu.P., Levchenkov, S.I., Minin, V.V., Ugolkova, E.A. Shcherbakov, I.N., Kogan, V.A., Zubenko, A.A., Askalepova, O.I.

Synthesis, structure, and complexing ability of hetarylhydrazones of glyoxylic acid
(2011) *Russian Journal of General Chemistry*, 81 (8), pp. 1691-1698.

152) Parrilha, G.L., Vieira, R.P., Rebolledo, A.P., Mendes, I.C., Lima, L.M., Barreiro, E.J., Piro, C

Binuclear zinc(II) complexes with the anti-inflammatory compounds salicylaldehyde salicylaldehyde-4-chlorobenzoyl hydrazone (H2LASSBio-1064)
(2011) *Polyhedron*, 30 (11), pp. 1891-1898.

153) Mishchenko, A.V., Lukov, V.V., Popov, L.D., Tupolova, Yu.P., Shcherbakov, I.N., Levchenko V.G., Askalepova, O.I.

Synthesis and physico-chemical study of complexation of glyoxylic acid aroylhydra: and solid phase
(2011) *Journal of Coordination Chemistry*, 64 (11), pp. 1963-1976.

- 154) Djung, J.F., Mears, R.J., Montalbetti, C.A.G.N., Coulter, T.S., Golebiowski, A., Carr, A.N., B Dolan, E., Davis, G.F.

The synthesis and evaluation of indolylureas as PKC α inhibitors

(2011) *Bioorganic and Medicinal Chemistry*, 19 (8), pp. 2742-2750.

- 155) Seleem, H.S., El-Inany, G.A., El-Shetary, B.A., Mousa, M.A.

The ligational behavior of a phenolic quinolyl hydrazone towards copper(II)- ions

(2011) *Chemistry Central Journal*, 5 (1), art. no. 2, .

- 156) Turan Zitouni, G., Özdem, A., Kaplancikli, Z.A., Revial, G., Demirci, F.

Synthesis and antimicrobial activity evaluation of new hydrazide derivatives [Yeni Hi Bunların Antimikrobiyal Aktivitelerinin Değerlendirilmesi]

(2011) *Turkish Journal of Pharmaceutical Sciences*, 8 (3), pp. 199-206.

- 157) Reddy, L.V., Nallapati, S.B., Beevi, S.S., Mangamoori, L.N., Mukkantia, K., Pal, S.

A "green" synthesis of N-(quinoline-3-ylmethylene)benzohydrazide derivatives and t

(2011) *Journal of the Brazilian Chemical Society*, 22 (9), pp. 1742-1749.

- 158) Zulkepli, N., Saad, B.A., Rou, K.V.K., Sulaiman, W.N.H.W., Salhin, A., Seeni, A.

A synthetic hydrazone derivative acts as an apoptotic inducer with chemopreventive cell line

(2011) *Asian Pacific Journal of Cancer Prevention*, 12 (1), pp. 259-263.

- 159) Popova, L.D., Tupolova, Yu.P., Askalepova, O.I., Shcherbakov, I.N., Levchenkov, S.I., Lukc E.B., Zubenkoc, A.A.

Synthesis, structure, and complexing ability of a novel ligand system, 1-benzyl-2-bei pyrrol-2'-carbaldehyde

(2010) *Russian Journal of General Chemistry*, 80 (8), pp. 1689-1696.

- 160) Belskaya, N.P., Dehaen, W., Bakulev, V.A.

Synthesis and properties of hydrazones bearing amide, thioamide and amidine func

(2010) *Arkivoc*, 2010 (1), pp. 275-332.

- 161)

Popov, L.D., Levchenkov, S.I., Shcherbakov, I.N., Kogan, V.A., Tupolova, Yu.P.

1'-Phthalazine hydrazone of diacetyl monooxime and its complexes with transition metal: theoretical study

(2010) *Russian Journal of General Chemistry*, 80 (3), pp. 493-500.

162) Popov, L.D., Levchenkov, S.I., Shcherbakov, I.N., Minin, V.V., Kaimakan, E.B., Tupolova, Y

2-Acetylbenzimidazole phthalazin-1-ylhydrazone and its complexes with transition m

(2010) *Russian Journal of General Chemistry*, 80 (12), pp. 2501-2511.

163) Narasimhan, B., Kumar, P., Sharma, D.

Biological activities of hydrazide derivatives in the new millennium

(2010) *Acta Pharmaceutica Scientia*, 52 (2), pp. 169-180.

164) Kogan, V.A., Levchenkov, S.I., Popov, L.D., Shcherbakov, I.A.

1-Hydrazinophthalazine based hydrazones and their transition metal complexes: Str

(2009) *Russian Journal of General Chemistry*, 79 (12), pp. 2767-2775.

165) Despaigne, A.A.R., Silva, J.G.d., Carmo, A.C.M.d., Sives, F., Piro, O.E., Castellano, E.E., E

Copper(II) and zinc(II) complexes with 2-formylpyridine-derived hydrazones

(2009) *Polyhedron*, 28 (17), pp. 3797-3803.

166) El-Saied, F.A., Abou El-Enein, S.A., Emam, S.M., El-Shater, H.A.

**Synthesis and characterization of Cu(II), Ni(II), Co(II), Mn(II), Zn(II), Ru(III), Hf(IV) and i
thiophenylidene-N-4-methoxy anilinoacetohydrazone**

(2009) *Polish Journal of Chemistry*, 83 (11), pp. 1871-1883.

167) Vicini, P., Incerti, M., La Colla, P., Loddo, R.

Anti-HIV evaluation of benzo[d]isothiazole hydrazones

(2009) *European Journal of Medicinal Chemistry*, 44 (4), pp. 1801-1807.

168) Recio Despaigne, A.A., Da Silva, J.G., Do Carmo, A.C.M., Piro, O.E., Castellano, E.E., Ber

Copper(II) and zinc(II) complexes with 2-benzoylpyridine-methyl hydrazone

(2009) *Journal of Molecular Structure*, 920 (1-3), pp. 97-102.

169) Rodrigues, J.M., Sant'anna, C.M.R., Rumjanek, V.M., Dacosta, J.B.N.

Diastereoselective synthesis of new dialkylphosphorylhydrazones

(2009) *Phosphorus, Sulfur and Silicon and the Related Elements*, 185 (1), pp. 40-56.

170) Clerici, F., Gelmi, M.L., Pellegrino, S.

Isothiazoles

(2008) *Comprehensive Heterocyclic Chemistry III*, 4, pp. 545-633.

171) Fouda, M.F.R., Abd-Elzaher, M.M., Shakdofa, M.M.E., El Saied, F.A., Ayad, M.I., El Tabl, A.

Synthesis and characterization of transition metal complexes of N'-[(1,5-dimethyl-3- π -pyrazol-4-yl)methylene] thiophene-2-carbohydrazide

(2008) *Transition Metal Chemistry*, 33 (2), pp. 219-228.

172) Călinescu, M., Ion, E., Georgescu, R., Negreanu-Pîrjol, T.

Synthesis, spectroscopic, antibacterial and antifungal studies on copper(II) complex hydrazones

(2008) *Revue Roumaine de Chimie*, 53 (10), pp. 911-919.

173) Calinescu, M., Ion, E., Emandi, A.N.A., Georgescu, R., Negreanu-Perjol, T.

Magnetic, optical and biological studies on copper(II) complexes with 2-benzothiazol

(2008) *Revista de Chimie*, 59 (12), pp. 1322-1326.

174) Incerti, M., Acquotti, D., Vicini, P.

Complete ^1H and ^{13}C NMR spectral assignment of benzo[d]isothiazole derivatives a

(2008) *Magnetic Resonance in Chemistry*, 46 (12), pp. 1175-1179.

175) Varache-Lembège, M., Moreau, S., Larrouture, S., Montaudon, D., Robert, J., Nuhrich, A.

Synthesis and antiproliferative activity of aryl- and heteroaryl-hydrazones derived fr

(2008) *European Journal of Medicinal Chemistry*, 43 (6), pp. 1336-1343.

176)

Rollas, S., Küçükgüzel, Ş.G.

Biological activities of hydrazone derivatives

(2007) *Molecules*, 12 (8), pp. 1910-1939.

177) Popov, L.D., Levchenkov, S.I., Shcherbakov, I.N., Kogan, V.A.

Protolytic properties of 8-quinolyldhydrazones of substituted salicylaldehydes and of their copper(II) complexes

(2007) *Russian Journal of General Chemistry*, 77 (7), pp. 1284-1292.

ELSEVIER

Copyright © 2024 Elsevier B.V. All rights reserved. Scopus® is a registered trademark of Elsevier B.V.