

# Vinod Kumar

## List of Publications by Year in descending order

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59  
papers

2,094  
citations

430442

18  
h-index

233125

45  
g-index

67  
all docs

67  
docs citations

67  
times ranked

2991  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Sugarcane bagasse: an important lignocellulosic substrate for production of enzymes and biofuels. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 6111-6142.   | 2.9 | 5         |
| 2  | A greener, mild, and efficient bioprocess for the pretreatment and saccharification of rice straw. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 4121-4133.  | 2.9 | 6         |
| 3  | Methyl-linked Pyrazoles: Synthetic and Medicinal Perspective. <i>Mini-Reviews in Medicinal Chemistry</i> , 2022, 22, 770-804.  | 1.1 | 4         |
| 4  | A sustainable approach to the development of highly degradable packaging films of pectin/guar gum/polyvinyl pyrrolidone: Thermal, biodegradation, and mechanical studies with statistical optimization. <i>Journal of Applied Polymer Science</i> , 2022, 139, . | 1.3 | 2         |
| 5  | Optimization of cellulase production by <i>Bacillus subtilis</i> subsp. <i>subtilis</i> JJBS300 and biocatalytic potential in saccharification of alkaline-pretreated rice straw. <i>Preparative Biochemistry and Biotechnology</i> , 2021, 51, 1-8.             | 1.0 | 13        |
| 6  | Correlation between the cross-linking and degradation activation energy of cotton fabric treated with chitosan kinetic study by "model-free" multiple heating rate methods. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 3267-3274.           | 2.0 | 1         |
| 7  | Synthesis, structural and pharmacological exploration of 2-(3, Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (5-dimethyl-1H-pyr-114972.   | 1.0 | 6         |
| 8  | Cellulosic and hemicellulosic fractions of sugarcane bagasse: Potential, challenges and future perspective. <i>International Journal of Biological Macromolecules</i> , 2021, 169, 564-582.  | 3.6 | 120       |
| 9  | Biochemical characterization and enhanced production of endoxylanase from thermophilic mould <i>Myceliophthora thermophila</i> . <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1539-1555.   | 1.7 | 4         |
| 10 | Biochemical properties of cellulolytic and xylanolytic enzymes from <i>Sporotrichum thermophile</i> and their utility in bioethanol production using rice straw. <i>Preparative Biochemistry and Biotechnology</i> , 2021, , 1-13.                               | 1.0 | 4         |
| 11 | Enhanced Phytase Production by <i>Bacillus subtilis</i> subsp. <i>subtilis</i> in Solid State Fermentation and its Utility in Improving Food Nutrition. <i>Protein and Peptide Letters</i> , 2021, 28, 1083-1089.  | 0.4 | 6         |
| 12 | Experimental and Computational Validation of Structural Features and BSA Binding Tendency of 5-Hydroxy-5-trifluoromethyl-3-arylpyrazolines**. <i>ChemistrySelect</i> , 2021, 6, 10324-10335.   | 0.7 | 12        |
| 13 | Production of cellulolytic enzymes by <i>Myceliophthora thermophila</i> and their applicability in saccharification of rice straw. <i>Biomass Conversion and Biorefinery</i> , 2020, , 1.  | 2.9 | 9         |
| 14 | Synthesis, characterization, antibacterial and DNA photocleavage study of 1-(2-Arenethyl)-3, 5-dimethyl-1H-pyrazoles. <i>Chemical Data Collections</i> , 2020, 28, 100408.   | 1.1 | 5         |
| 15 | Simple and solvent free practical procedure for chalcones: An expeditious, mild and greener approach. <i>Current Research in Green and Sustainable Chemistry</i> , 2020, 3, 100041.  | 2.9 | 10        |
| 16 | Synthesis of Some Hippuric Acid Substrate Linked Novel Pyrazoles as Antimicrobial Agents. <i>Asian Journal of Chemistry</i> , 2019, 31, 522-526.   | 0.1 | 3         |
| 17 | Cinnamaldehyde regulates H <sub>2</sub> O <sub>2</sub> -induced skeletal muscle atrophy by ameliorating the proteolytic and antioxidant defense systems. <i>Journal of Cellular Physiology</i> , 2019, 234, 6194-6208.   | 2.0 | 27        |
| 18 | Novel Acetohydrazide Pyrazole Derivatives: Design, Synthesis, Characterization and Antimicrobial Activity. <i>Asian Journal of Chemistry</i> , 2019, 31, 2740-2744.  | 0.1 | 1         |

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|----|---|-----|-----------|
| 19 | Thermal and biological studies of Schiff bases of chitosan derived from heteroaryl aldehydes. Journal of Thermal Analysis and Calorimetry, 2018, 132, 1707-1716.  | 2.0 | 18        |
| 20 | Probing Gallic Acid for Its Broad Spectrum Applications. Mini-Reviews in Medicinal Chemistry, 2018, 18, 1283-1293.  | 1.1 | 100       |
| 21 | Design, synthesis, DFT, docking studies and ADME prediction of some new coumarinyl linked pyrazolylthiazoles: Potential standalone or adjuvant antimicrobial agents. PLoS ONE, 2018, 13, e0196016.  | 1.1 | 71        |
| 22 | Phenols and Polyphenols: Promise and Peril to Human Health. Mini-Reviews in Medicinal Chemistry, 2018, 18, 1242-1243.   | 1.1 | 0         |
| 23 | (Diacetoxyiodo)Benzene Mediated Fused 1,2,4-Triazole Derivatives: Synthetic and Medicinal Perspective. Mini-Reviews in Organic Chemistry, 2018, 16, 12-25.  | 0.6 | 6         |
| 24 | Antibacterial, tyrosinase, and DNA photocleavage studies of some triazolynucleosides. Nucleosides, Nucleotides and Nucleic Acids, 2017, 36, 543-551.  | 0.4 | 7         |
| 25 | Synthesis of Some Aroylhydrazones and 2,5-Disubstituted-1,3,4- Oxadiazoles as DNA Photocleaving Agents. , 2016, 6, .  |     | 3         |
| 26 | Azoles: Introduction, Current and Future Scope. Bioenergetics: Open Access, 2016, 5, .  | 0.1 | 0         |
| 27 | Copper(I) Catalyzed Azide-Alkyne Click Reaction: Synthesis and Metal-Ion Binding Studies of Some 1,2,3-Triazole Derivatives. Asian Journal of Chemistry, 2016, 28, 613-616.   | 0.1 | 2         |
| 28 | Synthesis of some novel oxazolidinone-thiazole hybrids as potential antimicrobial, antioxidant and UV mediated DNA damage protecting agents. Medicinal Chemistry Research, 2016, 25, 2237-2249.   | 1.1 | 12        |
| 29 | Medicinal importance of gallic acid and its ester derivatives: a patent review. Pharmaceutical Patent Analyst, 2015, 4, 305-315.  | 0.4 | 204       |
| 30 | Solvent-free synthesis of novel (E)-2-(3,5-dimethyl-4-(aryldiazenyl)-1H-pyrazol-1-yl)-4-arylthiazoles: determination of their biological activity. Medicinal Chemistry Research, 2015, 24, 3863-3875.   | 1.1 | 13        |
| 31 | Trifluoromethylpyrazoles as anti-inflammatory and antibacterial agents: A review. Journal of Fluorine Chemistry, 2015, 178, 306-326.  | 0.9 | 64        |
| 32 | Fluorinated isoxazolines and isoxazoles: A synthetic perspective. Journal of Fluorine Chemistry, 2015, 180, 55-97.  | 0.9 | 42        |
| 33 | Novel (E)-1-aryl-2-(3,5-dimethyl-4-(aryldiazenyl)-1H-pyrazol-1-yl)ethanones: solvent-free synthesis and antimicrobial, antioxidant and UV-mediated DNA damage protective activity studies. Medicinal Chemistry Research, 2015, 24, 4023-4036. | 1.1 | 6         |
| 34 | Synthesis, docking study, and DNA photocleavage activity of some pyrimidinyl hydrazones and 3-(quinolin-3-yl)-5,7-dimethyl-1,2,4-triazolo[4,3-a]pyrimidine derivatives. Medicinal Chemistry Research, 2015, 24, 1830-1841.                    | 1.1 | 19        |
| 35 | Editorial (Thematic Issue: Emerging Azoles: Structure Function Relationship and Their Therapeutic) Tj ETQq1 1 0.784314 rgBT <sub>0</sub> /Overlook  | 0.1 | 0         |
| 36 | Poly(vinylbenzyl sulfonic acid)-grafted poly(ether ether ketone) membranes. Nuclear Instruments & Methods in Physics Research B, 2014, 321, 59-65.  | 0.6 | 3         |

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|----|---|-----|-----------|
| 37 | Isoxazoline containing natural products as anticancer agents: A review. <i>European Journal of Medicinal Chemistry</i> , 2014, 77, 121-133.   | 2.6 | 219       |
| 38 | Synthesis and biological evaluation of some 2-(3,5-dimethyl-1H-pyrazol-1-yl)-1-arylethanones: Antibacterial, DNA photocleavage, and anticancer activities. <i>European Journal of Medicinal Chemistry</i> , 2014, 81, 267-276.                                | 2.6 | 49        |
| 39 | Design, regioselective synthesis and cytotoxic evaluation of 2-aminoimidazole-quinoline hybrids against cancer and primary endothelial cells. <i>European Journal of Medicinal Chemistry</i> , 2014, 87, 150-158.   | 2.6 | 27        |
| 40 | 1,4-Diaryl-2-mercaptoimidazoles derivatives as a novel class of antimicrobial agents: design, synthesis, and computational studies. <i>Medicinal Chemistry Research</i> , 2014, 23, 4209-4220.  | 1.1 | 12        |
| 41 | DHA: An Excellent Source of Bioactive Heterocycles. <i>Letters in Organic Chemistry</i> , 2014, 11, 273-286.  | 0.2 | 12        |
| 42 | Imidazole Containing Natural Products as Antimicrobial Agents: A Review. <i>Natural Products Journal</i> , 2014, 4, 73-81.  | 0.1 | 15        |
| 43 | Triazole and Oxadiazole Containing Natural Products: A Review. <i>Natural Products Journal</i> , 2014, 4, 115-130.  | 0.1 | 16        |
| 44 | 4-Fluorophenylhydrazones as potential COX-2 inhibitors: a novel, efficient, one pot solid phase synthesis, docking study and pharmacological evaluation. <i>Medicinal Chemistry Research</i> , 2013, 22, 5890-5900.   | 1.1 | 11        |
| 45 | Pyrazole containing natural products: Synthetic preview and biological significance. <i>European Journal of Medicinal Chemistry</i> , 2013, 69, 735-753.  | 2.6 | 469       |
| 46 | Synthesis of some new 3,5-diamino-4-(4-fluorophenylazo)-1-aryl/heteroarylpyrazoles as antimicrobial agents. <i>Medicinal Chemistry Research</i> , 2013, 22, 3566-3573.  | 1.1 | 16        |
| 47 | Developments in Synthesis of the Anti-inflammatory Drug, Celecoxib: A Review. <i>Recent Patents on Inflammation and Allergy Drug Discovery</i> , 2013, 7, 124-134.  | 3.9 | 40        |
| 48 | Microwave Assisted Synthesis of Imidazoles - A Review. <i>Mini-Reviews in Organic Chemistry</i> , 2012, 9, 270-284.   | 0.6 | 17        |
| 49 | Approaches towards the synthesis of 5-aminopyrazoles. <i>Beilstein Journal of Organic Chemistry</i> , 2011, 7, 179-197.   | 1.3 | 80        |
| 50 | Reaction of Hydrazines and Hydroxylamine with Trifluoromethyl- $\beta$ -diketones: Synthesis of Trifluoromethylpyrazole and Isoxazole Derivatives. <i>Heterocycles</i> , 2008, 75, 2893.  | 0.4 | 41        |
| 51 | A facile and rapid one-pot synthesis of 1,4-diaryl-2-mercaptoimidazoles under solvent-free conditions. <i>Journal of Sulfur Chemistry</i> , 2007, 28, 617-623.  | 1.0 | 12        |
| 52 | Synthesis and antibacterial activity of some new 1-heteroaryl-5-amino-3H/methyl-4-phenylpyrazoles. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 1785-1791.   | 1.4 | 63        |
| 53 | The reaction of hydroxylamine with aryl trifluoromethyl- $\beta$ -diketones: Synthesis of 5-hydroxy-5-trifluoromethyl- $\beta$ -isoxazolines and their dehydration to 5-trifluoromethylisoxazoles. <i>Journal of Fluorine Chemistry</i> , 2006, 127, 880-888. | 0.9 | 51        |
| 54 | The reaction of aryl and heteroarylhydrazines with aryl-trifluoromethyl- $\beta$ -diketones. <i>Journal of Heterocyclic Chemistry</i> , 2006, 43, 1003-1014.  | 1.4 | 35        |

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|----|--|-----|-----------|
| 55 | Synthesis and antibacterial activity of some new 1-heteroaryl-5-amino-4-phenyl-3-trifluoromethylpyrazoles. <i>European Journal of Medicinal Chemistry</i> , 2005, 40, 922-927.   | 2.6 | 70        |
| 56 | Structure of the products of condensation of hydroxylamine with trifluoromethyl- $\beta^2$ -diketones: assignments of the diastereotopic protons of the 4-methylene group in 5-hydroxy-5-trifluoromethyl- $\beta^2$ -isoxazolines. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, 1040-1043. | 1.1 | 12        |
| 57 | A Facile Synthesis of Thiazole-2(3H)-thiones Through [Hydroxy(tosyloxy)iodo]benzene.. <i>ChemInform</i> , 2004, 35, no.  | 0.1 | 0         |
| 58 | A Facile Synthesis of Thiazole-2(3H)-thiones Through [Hydroxy(tosyloxy)iodo]benzene. <i>Synthetic Communications</i> , 2004, 34, 2659-2664.  | 1.1 | 14        |
| 59 | Biochemical characteristics of a novel ethanol-tolerant xylanase from <i>Bacillus subtilis</i> subsp. <i>subtilis</i> JJBS250 and its applicability in saccharification of rice straw. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.   | 2.9 | 5         |