

Profile of the Staff

1. Name : Dr. K. Chandra Mohan
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5. Date of Joining the College: 2014
6. Academic Qualifications: M. Sc. Ph. D.
7. Work Experience: 10 years



Publications:

1. Development and validation of a new RP-HPLC methods for the estimation of Related Substances of Anticancer drug Zanubrutinib and Characterization of its degradants using LC-MS/MS. Subramanyam T, V. Anuradha, K. Deepthi, G.R. Satyanarayana, K. Chandra Mohan. Pharmaceutical Chemistry Journal. 57(7), 1118-1129, 2023. (IF: 1.00).
2. Biosynthetic pathways for rebeccamycin family of natural products. M. Mujahid Alam, Ravi Varala, Chandra Mohan Kurmarayuni, Hari Babu Bollikolla. Mini reviews in Organic Chemistry, (Bentham Science), 20 (3), 309-321. 2023. Doi: 10.2174/1570193X19666220429120600 IF: 2.159).
3. FT-IR and UV-Visible spectral analysis of Adhoda vasica Leaves in various solvent extracts. Gorumutthu Giri Prasad, Kurmarayuni Chandra Mohan, K Swarnalatha, V.N.V. Kishore. High Technology Letters, 28(6), 815-831, 2022.
4. Bio-sorbent derived from Annona Squamosa for the removal of methyl red dye in polluted waters: a study on adsorption potential. Kokkiligadda Venkata Ramana, Kurmarayuni Chandra Mohan, Kunta Ravindranath, Bollikolla Hari Babu. Chemistry and Chemical Technology, 16(2), 274-283, 2022. (IF: 0.47). 16.
5. Sustainable synthesis of silver decorated graphene nanocomposite with potential antioxidant and antibacterial properties. Chandra Mohan Kurmarayuni, Basavaiah Chandu, Lakshmi Prasanna Yangalasetty, Siva Jyothsna Gali, Mujahid Alam M, Pramila

Rani P.N.V.V.L., Hari Babu Bollikolla. *Materials Letters*, (Elsevier) 308, 13116, 2022. (IF: 3.423). 15.

6. A mini-review on spectral (UV Visible, FT-IR, ¹H NMR, GC-MS) analysis of 6 various shaded dried leaves extracts. Yangalasetty, Siva Jyothsna Gali, Srihari Chennuboyana, Hari Babu Bollikolla. *Caribbean Journal of Science and Technology*, 9(1), 41-53, 2021(IF: 0.20). 13.
7. Studies on the antioxidant and antibacterial activities of in situ green synthesized graphene-gold nanocomposite. Chandra Mohan Kurmarayuni, Basavaiah Chandu, Lakshmi Prasanna Yangalasetty, Siva Jyothsna Gali, Bala Murali Krishna Khandapu, Hari Babu Bollikolla. *Chemistry Select*, (Chemistry Europe), 6(42), 11832-22837, 2021. (IF: 2.109).
8. Adsorption conceivable consequences of bio-sorbent got from cordial dichotoma (lasoda) and cassia occidentalis in the removal of methyl red dye. K. Venkata Ramana, Ch. Venkata Kishore, K. Chandra Mohan, G. Sailaja, B. Hari Babu, *International Journal of Research in Pharmaceutical Sciences. (Pharmascope)* 12(2), 1311-1321, 2021. (IF:0.604).
9. 11. Phytochemical screening of *Syzygium cumini*. Swarnalatha Kurapati, Hari Babu Bollikolla, Chandra Mohan Kurmarayuni. *Journal of Applied Sciences and Computations, (JASE)*, 8(4), 274-280, 2021. (IF:5.8)
10. Green synthesis of *Kigelia africana* silver nanoparticles. Swarnalatha Kurapati, Hari Babu Bollikolla, Chandra Mohan Kurmarayuni, Basavaiah Chandu. *Journal of Applied Sciences and Computations, (JASE)*, 8(4), 265-273, 2021. (IF:5.8)
11. Synthesis of new hispolon derived pyrazole sulfonamides for possible antitubercular and antimicrobial agents. Hari Babu Bollikolla, V. S. Narasimha Raju Pericherla, Jagan Mohana Rao Saketi, V. Balaji Neduri, Chandra Mohan Kurmarayuni, V. Subbaraju Gottumukkala. *Journal of the Mexican Chemical Society, (Mexican Chemical Society)*, 65(2), 237-246, 2021. (IF: 0.524)
12. Synthesis of Pharmacological Relevant 1, 2, 3-Triazole and Its Analogues- A Review, Ravi Varala, B. Hari Babu, K. Chandra Mohan. *Current Organic Synthesis (Bentham Science)*, 18(2),101-124, 2021. (IF: 1.847).
13. Synthesis of multifunctional graphene exhibiting excellent sonochemical dye removal activity, and regioselective reduction of cinnamaldehyde Chandra Mohan 7 Kurmarayuni,

Akhil Syed, Basavaiah chandu, Bala Murali Krishna Khandapu, Hari Babu Bollikolla. *Material Letters* (Elsevier), 293, 127224-127227, 2020. (IF: 3.204).

14. Green and Economical Synthesis of Graphene-Silver Nanocomposite Exhibiting excellent photocatalytic efficiency, Basavaiah Chandu, Chandra Mohan Kurmarayuni, Swarnalatha Kurapati, Hari Babu Bollikolla. *Carbon Letters* (Springer), 30(2), 225-233, 2020. (IF: 2.31).
15. Psoriasis- a comprehensive review on conventional and alternative approach to treatment, Swarnalatha Kurapati, Ramyakrishna Pallapati, Chandramohan Kurmarayuni. *Engineering Sciences International Research Journal*, (IMRF Journals), 7 (1), 72-76, 2019. (IF: 2.54).
16. Evaluation of anti-diabetic activity of Brassica oleracea, Swarnalatha Kurapati, Ramyakrishna Pallapati, Chandramohan Kurmarayuni, Hari Babu Bollikolla. *European journal of biomedical and Pharmaceutical Sciences*, 6 (9), 170-173, 2019. (IF: 4.918).
17. Synthesis of new analogs of 3-methyl-[1,2,4] triazolo [3,4-a] phthalazines via Suzuki coupling and evaluation of their anticancer and antimicrobial activity, Gollapudi Ravi Kumar, Chandra Mohan Kurmarayuni, Manideepa Indupalli, Ramya Krishna Pallapati, Hari Babu Bollikolla. *Mediterranean Journal of Chemistry*, 8 (4), 261-269, 2019. (IF: 0.34).
18. Copper-catalyzed synthesis of 2-aminophenyl benzothiazoles: Anovel approach, S N Murthy Boddapati, Chandra Mohan Kurmarayuni, Baby Ramana Mutchu, Ramana Tamminana, Hari Babu Bollikolla, *Organic & Biomolecular Chemistry*, (RSC), 16 (37), 8267-8272, 2018. (IF: 3.564).
19. An introduction to types of polyphenols and biological activities & commercial importance of curcuminoids: a review. N.V.Balaji, K. Chandra Mohan, A. Vasu Babu, Hari Babu Bollikolla. *Caribbean Journal of Science and Technology*, 5(1), 080-093, 2017. (IF: 0.20).

FDPs

1. A five day online FDP on “ROLE OF MODERN TOOLS AND TECHNIQUES IN CHEMISTRY” organized by Dept of Chemistry, PB Siddhartha College of Arts & Science, Vijayawada. 27th to 31st May 2024.
2. International one week FDP on Research Methodology, organized by Amar sewa Mandal's Kamla Nehru Mahavidyalaya, Nagpur, India. 2nd May 2022 to 7th May 2022.
3. One day online work shop on “Intellectual Property Rights: Patents and Designs Process, organized by Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM) & Kamla Nehru Mahavidyalaya, Nagpur, India. 4th March 2022.
4. Five-day National Level Faculty Development Programme on “Methods of Material Synthesis, organized by Department of Physics and Electronics under DBST-Star College scheme, Bhavan's Vivekananda College, Secunderabad, T.S. India. 18th - 22nd January 2022.
5. Three day online FDP programme on Environmental Pollution –sustainable Technologies for its control (EP-STC)” organized by chemistry division of department Basic sciences and Humanities, GMR Institute of Technology, Rajam,, Srikakulam, A.P. 19th -21st October 2020.
6. National Level One Week Confederated Online Faculty Development Program on “Orienting Applications & Conceptualized Aspects of Sciences & Humanities” Organized by Dept. of Humanities & Sciences. Balaji Institute of Technology & Science. Lankapally, Narsampet, Warangal. T.S. India. 21st - 25th July 2020.
7. Five Day Online National Level Faculty Development Program on “Recent Advances in Applied Chemistry: RAAC-2020” organised by Chemistry division of Basic Sciences & Humanities Department, QIS College of Engineering and Technology, Ongole, A.P. India. 6th -10th July-2020.
8. 4-Day Online FDP on “Advances in Energy Materials for Storage Systems” organized by Chemistry Division of Department of Basic Science and Humanities, GMR Institute of Technology, Rajam, A.P. India. 23rd - 26th June, 2020.

9. 4-Day International Conference on “Eradication of Biological and Chemical Weapons” Organized by MIT World Peace University, Pune, India.23rd -26th June 2020.
10. A National Level 3 Day Virtual Faculty Development Program on “Moving to master science in technology (MMST:2020)” organized by Freshmen Engineering Department, Potti Sriramulu Chadalavadi Mallikarjuna Rao College of Engineering & Technology, Vijayawada, A.P. India. 18th -20th June 2020.
11. One-week online Faculty development programme on research trends in mechanical engineering” organized by Gudlavaller Engineering College, Gudlavalleru, Vijayawada, A.P. India.15th -20th June 2020.
12. Five day online Faculty development programme on “Chemistry significance in engineering, Pharmacy, Nanotechnology and environment (CEPNE-2020)” conducted by Department of Basic Sciences and R&D Division, Pragati engineering college (Autonomous), Surampalem, Kakinada, A.P. India 2nd to 6th June 2020.
13. A two- d a y Faculty Development Programme entitled “Significant of Interdisciplinary Research in Basic Sciences (FDP-SIRBS- 2016)” Conducted by the Department of Basic Sciences and Research & Devolvement Division, Pragathi Engineering College, Surampalem, Kakinada, A.P. 19th & 20th March 2016.
14. Faculty development Workshop on “Classical and Instrumental Techniques in Physical Chemistry (Wcit-2k14)” organized by Department of Basic Science and Humanities, Vignan’s Nirula Institute of Technology & Science for women, Palakaluru, Guntur, A.P. India.21st & 22nd July 2014.