

# rajaram Rajamohan

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Theoretical Investigation of Inclusion Complexes of 3-Hydroxyflavone and Quercetin as Guests with Native and Modified $\beta$ -Cyclodextrins as Hosts. Polycyclic Aromatic Compounds, 2023, 43, 141-153.	2.6	10
2	Characterization and Molecular Docking Analysis for the Supramolecular Interaction of Lidocaine with $\beta$ -Cyclodextrin. Polycyclic Aromatic Compounds, 2023, 43, 1202-1218.	2.6	1
3	Non-Covalent Bonding Interaction between Primaquine as Guest and 2-(Hydroxypropyl)- $\beta$ -Cyclodextrin as Host. Polycyclic Aromatic Compounds, 2022, 42, 1861-1878.	2.6	8
4	Polymer-mediated electrospun nanofibrous mats on supramolecular assembly of nortriptyline in the $\beta$ -cyclodextrin medium for antibacterial study. Journal of Biomaterials Science, Polymer Edition, 2022, 33, 1256-1268.	3.5	3
5	Spectral Studies on the Supramolecular Assembly of Uridine with $\beta$ -Cyclodextrin and Its In Vitro Cytotoxicity. Polycyclic Aromatic Compounds, 2021, 41, 992-1011.	2.6	7
6	Effect of pH and structural orientation on supramolecular complexation of chloroquine in $\beta$ -cyclodextrin medium. Journal of Molecular Liquids, 2021, 325, 115157.	4.9	7
7	Electrospun polyvinylidene fluoride nanofibrous mats as the carrier for drug delivery system of benzocaine and its complex with $\beta$ -cyclodextrin. Journal of Molecular Liquids, 2021, 341, 117411.	4.9	9
8	Molecular encapsulation of lidocaine and procaine into $\beta$ -cyclodextrin cavity: in vitro cytotoxic evaluation. Journal of Macromolecular Science - Pure and Applied Chemistry, 2019, 56, 215-224.	2.2	1
9	Molecular encapsulation of amodiaquine in 2-hydroxypropyl $\beta$ -cyclodextrin cavity. Characterization and its in vitro cytotoxicity. Spectroscopy Letters, 2018, 51, 198-204.	1.0	7
10	Supramolecular assembly between adenocard and native beta-cyclodextrin: Preparation, characterization and in-vitro cytotoxic evaluation. Spectroscopy Letters, 2018, 51, 496-509.	1.0	5
11	Supramolecular Interaction of Primaquine with Native $\beta$ -Cyclodextrin. Journal of Solution Chemistry, 2018, 47, 906-929.	1.2	10
12	Improvement of cytotoxic activity of local anesthetics against human breast cancer cell line through the cyclodextrin complexes. Journal of Macromolecular Science - Pure and Applied Chemistry, 2017, 54, 402-410.	2.2	4
13	Photophysical and Photoprototropic Characteristics of 2-Aminobenzothiazole in $\beta$ -Cyclodextrin Medium. Journal of Fluorescence, 2017, 27, 689-699.	2.5	3
14	Encapsulation of quercetin in $\beta$ -cyclodextrin and (2-hydroxypropyl)- $\beta$ -cyclodextrin cavity: In-vitro cytotoxic evaluation. Journal of Macromolecular Science - Pure and Applied Chemistry, 2017, 54, 894-901.	2.2	14
15	Investigation on association behavior between 1-Aminoisoquinoline and $\beta$ -Cyclodextrin in solution and solid state. Journal of Molecular Liquids, 2016, 220, 918-925.	4.9	13
16	Preparation and characterization of a imipramine- $\beta$ -cyclodextrin inclusion complex. Instrumentation Science and Technology, 2016, 44, 651-671.	1.8	6
17	A study of host-guest complexation between amodiaquine and native cyclodextrin. Characterization in solid state and its in-vitro anticancer activity. Journal of Macromolecular Science - Pure and Applied Chemistry, 2016, 53, 282-289.	2.2	8
18	Host-guest interaction of cytidine in $\beta$ -cyclodextrin microcavity: Characterization and docking study. Journal of Molecular Liquids, 2016, 219, 967-974.	4.9	27

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19	Spectral characteristics of desipramine in $\beta$ -cyclodextrin cavity through inclusion complex. Journal of Macromolecular Science - Pure and Applied Chemistry, 2016, 53, 781-790.	2.2	8
20	Preparation, characterization and molecular modeling studies of the inclusion complex of Caffeine with Beta-cyclodextrin. Journal of Molecular Structure, 2015, 1099, 616-624.	3.6	49
21	Preparation and characterization of host-guest system between inosine and $\beta$ -cyclodextrin through inclusion mode. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 147, 151-157.	3.9	22
22	Photophysical and photoprototropic characteristics of phenothiazine in aqueous and $\beta$ -cyclodextrin media. Journal of Luminescence, 2015, 168, 245-255.	3.1	7
23	Spectral investigation and structural characterization of Dibenzalacetone: $\beta$ -Cyclodextrin inclusion complex. Journal of Molecular Structure, 2014, 1068, 155-163.	3.6	32
24	Spectral investigation and characterization of host-guest inclusion complex of 4,4'-methylene-bis(2-chloroaniline) with beta-cyclodextrin. Carbohydrate Polymers, 2014, 114, 558-566.	10.2	40
25	Host-guest complexation between 5-aminoisoquinoline and $\beta$ -cyclodextrin and its effect on spectral and prototropic characteristics. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2012, 73, 99-108.	1.6	2
26	Effect of inclusion complexation on the photophysical behavior of diphenylamine in $\beta$ -cyclodextrin medium: A study by electronic spectra. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 83, 207-212.	3.9	14
27	A Study on Host-Guest Complexation of 5-Amino-2-Mercaptobenzimidazole with $\beta$ -Cyclodextrin. Journal of Solution Chemistry, 2011, 40, 803-817.	1.2	21
28	Fluorimetric and prototropic studies on the inclusion complexation of 3,3'-diaminodiphenylsulphone with $\beta$ -cyclodextrin and its unusual behavior. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 473-477.	3.9	29
29	Inclusion complexation and photoprototropic behaviour of 3-amino-5-nitrobenzothiazole with $\beta$ -cyclodextrin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 371-377.	3.9	29
30	Host-guest interaction of l-tyrosine with $\beta$ -cyclodextrin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 71, 125-132.	3.9	63
31	Spectrofluorimetric Study on Inclusion Complexation of 2-Amino-6-fluorobenzothiazole with $\beta$ -Cyclodextrin. Collection of Czechoslovak Chemical Communications, 2008, 73, 147-160.	1.0	15