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Expertise

Atomic, Molecular and Chemical

DFT Molecular Physics

Work experience

1. Pavanatma College, Murrickacherry 2019 — Present
Assistant Professor
2. Mahatma Gandhi University, Kerala 2015 — Present
Assistant Professor
Kottayam
3. Mahatma Gandhi University, Kerala 2010 — 2011
Assistant Professor
Kottayam

Education

1. PhD - 2016

KERALA UNIVERSITY

Publication

- 1. Synthesis and DFT studies of the structure - NLO activity evaluation of 2-(4-methoxyphenyl)-1,4,5-triphenyl-2,5-dihydro-1H-imidazole**
Ulahannan R.T.;Kannan V.;Vidya V.;Sreekumar K.
Journal of Molecular Structure, Volume 1199, Year 2020
- 2. Synthesis and DFT studies of the structure - NLO activity evaluation of 2-(4-methoxyphenyl)-1,4,5-triphenyl-2,5-dihydro-1H-imidazole**
Rajeev.T. Ulahannan ., V. Kannan ., V. Vidya ., K. Sreekumar .,
SPECTROCHIMICA ACTA, Volume , Year 2020, Pages
- 3. Quantum chemical studies on 4-(2, 6-diphenylpyridin-4-yl) phenol: An electron transport and nonlinear optical molecule**
Kannan V.;Sreekumar K.;Ulahannan R.T.
Journal of Molecular Structure, Volume 1166, Year 2018, Pages 315-320
- 4. Vibrational spectroscopic and molecular docking study of (2E)-N-(4-chloro-2-oxo-1,2-dihydroquinolin-3-yl)-3-phenylprop-2-enamide**
Rajeev T. Ulahannan ., C. Yohannan Panicker ., Hema Tresa Varghese ., Robert Musiol ., Josef Jampilek .,
Christian Van Alsenoy ., Javeed Ahmad War ., Abdulaziz A. Al-Saadi .,
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, Volume 151, Year 2015, Pages 335-349
- 5. Vibrational spectroscopic studies and molecular docking study of 2-[(E)-2-phenylethenyl]quinoline-5-carboxylic acid**
Rajeev T. Ulahannan ., C. Yohannan Panicker ., Hema Tresa Varghese ., Robert Musiol ., Joseph Jampilek .,
Christian Van Alsenoy ., Javeed Ahmad War ., T.K. Manojkumar .,
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, Volume 150, Year 2015, Pages 190-199
- 6. Vibrational spectroscopic and molecular docking study of (2E)-N-(4-chloro-2-oxo-1,2-dihydroquinolin-3-yl)-3-phenylprop-2-enamide**
Rajeev T. Ulahannan ., C. Yohannan Panicker ., Hema Tresa Varghese ., Robert Musiol ., Josef Jampilek .,
Christian Van Alsenoy ., Javeed Ahmad War ., Abdulaziz A. Al-Saadi .,
SPECTROCHIMICA ACTA, Volume , Year 2015, Pages
- 7. Vibrational spectroscopic studies and molecular docking study of 2-[(E)-2-phenylethenyl]quinoline-5-carboxylic acid**
Rajeev T. Ulahannan ., C. Yohannan Panicker ., Hema Tresa Varghese ., Robert Musiol ., Joseph Jampilek .,
Christian Van Alsenoy ., Javeed Ahmad War ., T.K. Manojkumar .,
SPECTROCHIMICA ACTA, Volume , Year 2015, Pages
- 8. Molecular structure, FT-IR, FT-Raman, NBO, HOMO and LUMO, MEP, NLO and molecular docking study of 2-[(E)-2-(2-bromophenyl)ethenyl]quinoline-6- carboxylic acid**

Rajeev T. Ulahannan ., C. Yohannan Panicker ., Hema Tresa Varghese ., Robert Musiol ., Josef Jampilek ., Christian Van Alsenoy ., Javeed Ahmad War ., S.K. Srivastava .,
SPECTROCHIMICA ACTA, Volume , Year 2015, Pages

9. Molecular structure, FT-IR, FT-Raman, NBO, HOMO and LUMO, MEP, NLO and molecular docking study of 2-[(E)-2-(2-bromophenyl)ethenyl]quinoline-6-carboxylic acid

Ulahannan R.T.;Panicker C.Y.;Varghese H.T.;Musiol R.;Jampilek J.;Van Alsenoy C.;War J.A.;Srivastava S.K.
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, Volume 151, Year 2015, Pages 184-197

10. Vibrational spectroscopic, ¹H NMR and quantum chemical computational study of 4-hydroxy-2-oxo-1, 2-dihydroquinoline-8-carboxylic acid

Rajeev T. Ulahannan ., C. Yohannan Panicker ., Hema Tresa Varghese ., C. Van Alsenoy ., Robert Musiol ., Josef Jampilek ., P.L. Anto .,
SPECTROCHIMICA ACTA, Volume , Year 2014, Pages

11. Vibrational spectroscopic, ¹H NMR and quantum chemical computational study of 4-hydroxy-2-oxo-1,2-dihydroquinoline-8-carboxylic acid

Rajeev T. Ulahannan ., C. Yohannan Panicker ., Hema Tresa Varghese ., C. Van Alsenoy ., Robert Musiol ., Josef Jampilek ., P.L. Anto .,
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, Volume 121, Year 2014, Pages 445-456

12. Spectroscopic (FT-IR, FT-Raman) investigations and quantum chemical calculations of 4-hydroxy-2-oxo-1,2-dihydroquinoline-7-carboxylic acid

Rajeev T. Ulahannan ., C. Yohannan Panicker ., Hema Tresa Varghese ., C. Van Alsenoy ., Robert Musiol ., Josef Jampilek ., P.L. Anto .,
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, Volume 121, Year 2014, Pages 404-414

13. Spectroscopic (FT-IR, FT-Raman) investigations and quantum chemical calculations of 4-hydroxy-2-oxo-1,2-dihydroquinoline-7-carboxylic acid

Rajeev T. Ulahannan ., C. Yohannan Panicker ., Hema Tresa Varghese ., C. Van Alsenoy ., Robert Musiol ., Josef Jampilek ., P.L. Anto .,
SPECTROCHIMICA ACTA, Volume , Year 2014, Pages

14. FT-IR, FT-Raman and computational study of phenylurea

HEMA TRESA VARGHESE ., J.B. BHAGYSREE ., RAJEEV.T. ULAHANNAN ., R. RENJITH ., C.YOHANNAN PANICKER .,
Oriental Journal of Chemistry, Volume 29, Year 2013, Pages 361-367

15. FT-IR, FT-Raman and computational study of p-Acetylbenzotrile

J.B. BHAGYSREE ., RAJEEV.T. ULAHANNAN ., R. RENJITH ., HEMA TRESA VARGHESE ., C.YOHANNAN PANICKER .,
Oriental Journal of Chemistry, Volume 29, Year 2013, Pages 291-296

16. Vibrational spectroscopic studies of 4-chloro-3-methylphenol

RAJEEV T. ULAHANNAN ., R. RENJITH ., J.B. BHAGYSREE ., HEMA TRESA VARGHESE ., C. YOHANNAN

PANICKER .,

Oriental Journal of Chemistry, Volume 29, Year 2013, Pages 347-352

17. FT-IR, FT-Raman and quantum chemical calculations of 1-phenylpyrrole

R. RENJITH ., J.B. BHAGYSREE ., RAJEEV. T. ULAHANNAN ., HEMA TRESA VARGHESE ., C.YOHANNAN

PANICKER .,

Oriental Journal of Chemistry, Volume 29, Year 2013, Pages 321-326