Dr. Shandev P. P.

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Dr. Shandev joined the Department of Applied Chemistry, CUSAT as assistant professor in March 2021. Before joining Department of Applied Chemistry, CUSAT, he was a Post-doctoral fellow at Depart of Chemistry, KU Leuven, Belgium with Prof. Wim Dehaen.

CAREER HIGHLIGHTS:

- Post doctoral fellow : Department of Chemistry, University of Leuven, Belgium (Jun 2019-Sep 2021).
- Assistant Professor (on contract) : Sir Syed College, Taliparamba, Kannur, Kerala. (Aug 2018-Dec 2018)

ACADEMIC RECORD:

- Ph.D in Chemistry, Cochin University of Science and Technology, Cochin, India.
- M. Sc. in Chemistry, Kannur University, Kannur.

AWARDS/FELLOWSHIPS

- Postdoctoral Fellowship (KU Leuven, Belgium)
- Senior Research Fellowship-Council of Scientific and Industrial Research, New Delhi (Government of India).
- Junior Research Fellowship-Council of Scientific and Industrial Research, New Delhi (Government of India).
- Graduate Aptitude Test in Engineering (GATE)

AREA OF RESEARCH:

- Synthesis of Highly Fluorescent Organic Optoelectronic Materials.
- Heterocyclic and Medicinal Chemistry
- Green and sustainable organic synthesis.

TEACHING

- Organic Synthesis
- Organic Stereochemistry

RECENT REFEREED PUBLICATIONS:

1)'BOPAHY-: A doubly chelated highly fluorescent pyrrole-acyl hydrazone $-BF_2$ Chromophore': **P. P. Shandev**, F. de Jong, K. Veys, J. Huang, P. V. Santhini, D. Verhaeghe, L. V. Meervelt, D.l Escudero, M. V. der Auweraer and W. Dehaen, ***Chem. Commun.***, 2020, *56*, 5791.

2) 'Enhanced nonlinear absorption and efficient optical limiting action of a few 1,3,4-oxadiazole-based donor–acceptor systems': T. M. Remya, E. Shiju, **P.P. Shandev**, K. Chandrasekharan, S. Haridas, P.A. Unnikrishnan, ***Journal of material science***, 2021, 56, 3035.

3) 'A Multicomponent Approach toward Angularly Fused/Linear Bitriazoles: A Cascade Cornforth Rearrangement and Triazolization': P. V. Santhini**, P.P Shandev,** Max Van Hoof, Wim Dehaen, ***J.Org.Chem.*,** 2021, 86, 4346.

4) 'The Synthesis of Five-Membered N-Heterocycles by Cycloaddition of Nitroalkenes with (In)Organic Azides and Other 1,3-Dipoles': **P.P Shandev,** P. V. Santhini**,** Wim Dehaen, **Synthesis,** 2021, *DOI: 10.1055/a-1547-0196* (special topic on Cycloadditions – Established and Novel Trends – in Celebration of the 70th Anniversary of the Nobel Prize Awarded to Otto Diels and Kurt Alder).

5) 'Indepth photophysical characterization of novel doubly BF2-chelated fluorophores' (submitted to dyes and pigments) : **P. P. Shandev**, F. de Jong, K. Veys, J. Huang, D. Verhaeghe, L. V. Meervelt, D.l Escudero, M. V. der Auweraer and W. Dehaen.

6) 'Synthesis and characterization of a few 1,3,4-oxadiazole-pyrene hybrid molecules', **Shandev P.P**., Jyothi C. M., Unnikrishnan P. A., Prathapan, S. International conference on 'Materials for the Millenium' : MatCon 2016, Department of Applied Chemistry, Cochin University of Science and Technology. ISBN 978-93-80095-738.

7) 'Synthesis and characterization of covalently-linked 1,3,4-oxadizole-phenothiazine hybrid molecules' : **Shandev P. P**., Jyothi C. Mary., P. A. Unnikrishnan and S. Prathapan. International conference on 'Materials for the Millenium' : MatCon 2016, Department of Applied Chemistry, Cochin University of Science and Technology. ISBN 978-93-80095-738.