

PUBLICATIONS LIST

KOWSHIK BETTADAPURA

1. JOURNAL PUBLICATIONS

- (1) **Title:** *Obstructed thickenings and supermanifolds*;
Available at: [arXiv:1608.07810](#);
Submitted: August, 2016;
Journal ref: *J. Geom. Phys.*, 139, pp. 25-49, (2019);
Journal link: [doi.org/10.1016/j.geomphys.2018.12.019](#)
- (2) **Title:** *On the problem of splitting deformations of super Riemann surfaces*;
Available at: [arXiv:1610.07541](#);
Submitted: October, 2016;
Journal ref: *Lett. Math. Phys.*, **109**(2), pp. 381-402 (2019);
Journal link: [doi.org/10.1007/s11005-018-1112-x](#)
- (3) **PhD Thesis:** *Obstruction theory for supermanifolds and deformations of superconformal structures*;
Available at: [hdl.handle.net/1885/110239](#);
Journal ref: (Abstract) *Bull. Aust. Math. Soc.* **95** (2016), pp. 512-4;
Journal link: (Abstract) [doi.org/10.1017/S0004972716001301](#)
- (4) **Title:** *Higher obstructions of complex supermanifolds*;
Available at: [arXiv:1804.06366](#);
Submitted: April, 2018;
Journal ref: *SIGMA* **14** (2018), 094;
Journal link: [doi.org/10.3842/SIGMA.2018.094](#)
- (5) **Title:** *Embeddings of complex supermanifolds*;
Available at: [arXiv:1806.02763](#);
Submitted: June, 2018;
Journal Ref: *Adv. Th. and Math. Phys.* **23**(6), (2019), pp. 1427-1466;

Journal Link: [10.4310/ATMP.2019.v23.n6.a1](https://doi.org/10.4310/ATMP.2019.v23.n6.a1)

- (6) **Title:** *Projective superspace varieties, superspace quadrics and non-splitting*;
Available at: [arXiv:1810.10200](https://arxiv.org/abs/1810.10200)
Submitted: October, 2018.
Journal Ref: *Doc. Math.* (25), (2020), pp. 65–91
Journal Link: doi.org/10.25537/dm.2020v25.65-91

- (7) **Title:** *Boundary contributions to three loop superstring amplitudes*;
Co-author(s): Lin Hai
Available at: [arXiv:2009.11857](https://arxiv.org/abs/2009.11857)
Submitted: September, 2020.
Journal Ref: *J. Math. Phys.* 62(4), 042303, (2021)
Journal Link: doi.org/10.1063/5.0030860

2. AVAILABLE PREPRINTS

- (1) **Title** *Sheaves of AQ normal series and supermanifolds*;
Available at: [arXiv:1903.03892](https://arxiv.org/abs/1903.03892);
Submitted: March, 2019.

- (2) **Title:** *Families of supermanifolds: splitting types and obstruction maps*
Available at: [arXiv:1906.02391](https://arxiv.org/abs/1906.02391)
Submitted: June, 2019.

- (3) **Title:** *Analytic and algebraic deformations of super Riemann surfaces*
Available at: [arXiv:1911.07118](https://arxiv.org/abs/1911.07118)
Submitted: November, 2019.

- (4) **Title:** *Koszul's splitting theorem and the super Atiyah class*
Available at: [arXiv:2009.00177](https://arxiv.org/abs/2009.00177)
Submitted: September, 2020.

- (5) **Title:** *On the splitting of genus two supermoduli*
Available at: [arXiv:2106.16035](https://arxiv.org/abs/2106.16035)
Submitted: July, 2021.