

Bibliography

- [1] T. Albu and C. Năstăsescu. *Relative finiteness in module theory*, volume 84. Marcel Dekker Incorporated, (1984).
- [2] M. Alkan and A. Harmancı. On summand sum and summand intersection property of modules. *Turkish Journal of Mathematics*, 26(2):131–148, (2002).
- [3] I. Amin, Y. Ibrahim, and M. Yousif. C3-modules. *Algebra Colloquium*, 22(4):655–670, (2015).
- [4] T. Amouzegar and Y. Talebi. On quasi-dual baer modules. *TWMS J. Pure Appl. Math.*, 4(1):78–86, (2013).
- [5] F. W. Anderson and K. R. Fuller. *Rings and categories of modules*, volume 13. Springer Science & Business Media, (2012).
- [6] S. E. Atani, M. Khoramdel, and S. D. Pishhesari. Purely baer modules and purely rickart modules. *Miskolc Mathematical Notes*, 19(1):63–76, (2018).
- [7] R. Baer. Abelian groups that are direct summands of every containing abelian group. *Bulletin of the American Mathematical Society*, 46(10):800–806, (1940).
- [8] S. K. Berberian. *Baer*-rings*, volume 195. Springer Science & Business Media, (2010).

- [9] G. F. Birkenmeier, J. Y. Kim, and J. K. Park. Principally quasi-baer rings. *Communications in algebra*, 29(2):639–660, (2001).
- [10] G. F. Birkenmeier, J. K. Park, and S. T. Rizvi. *Extensions of rings and modules*. Springer, (2013).
- [11] K. Byrd. Rings whose quasi-injective modules are injective. *Proceedings of the American Mathematical Society*, 33(2):235–240, 1972.
- [12] H. Cartan and S. Eilenberg. *Homological algebra*, volume 19. Princeton university press, (1956).
- [13] A. W. Chatters and C. R. Hajarnavis. Rings in which every complement right ideal is a direct summand. *The Quarterly Journal of Mathematics*, 28(1):61–80, (1977).
- [14] A. W. Chatters and S. M. Khuri. Endomorphism rings of modules over non-singular cs rings. *Journal of the London Mathematical Society*, 2(3):434–444, (1980).
- [15] J. Clark. On purely extending modules. In *Abelian Groups and Modules*, pages 353–358. Springer, (1999).
- [16] W. E. Clark. Twisted matrix units semigroup algebras. *Duke Mathematical Journal*, 34(3):417–423, (1967).
- [17] P. M. Cohn. On the free product of associative rings. *Mathematische Zeitschrift*, 71(1):380–398, (1959).
- [18] J. H. Cozzens. Homological properties of the ring of differential polynomials. *Bulletin of the American Mathematical Society*, 76(1):75–79, 1970.

- [19] P. A. Dana and A. Moussavi. Endo-principally quasi-baer modules. *Journal of Algebra and Its Applications*, 15(02):1550132, (2016).
- [20] N. Ding, Y. Ibrahim, M. Yousif, and Y. Zhou. C4-modules. *Communications in algebra*, 45(4):1727–1740, (2017).
- [21] N. Ding, Y. Ibrahim, M. Yousif, and Y. Zhou. D4-modules. *Journal of Algebra and Its Applications*, 16(09):1750166, (2017).
- [22] N. V. Dung, D. Van Huynh, P. Smith, and R. Wisbauer. *Extending Modules*, volume 313. CRC Press, 1994.
- [23] B. Eckmann and A. Schopf. Über injektive moduln. *Archiv der Math*, 4:75–78, (1953).
- [24] D. J. Fieldhouse. Pure theories. *Mathematische Annalen*, 184(1):1–18, (1969).
- [25] K. R. Fuller. On direct representations of quasi-injectives and quasi-projectives. *Archiv der Mathematik*, 20(5):495–502, (1969).
- [26] K. R. Goodearl. *Von Neumann regular rings*. London, (1979).
- [27] A. Hattori. A foundation of torsion theory for modules over general rings. *Nagoya mathematical journal*, 17:147–158, (1960).
- [28] L. Jeremy. Modules et anneaux quasi-continus. *Canadian Mathematical Bulletin*, 17(2):217–228, (1974).
- [29] R. E. Johnson and E. T. Wong. Quasi-injective modules and irreducible rings. *Journal of the London Mathematical Society*, 1(1):260–268, 1961.
- [30] I. Kaplansky. *Rings of operators*. WA Benjamin, 1968.
- [31] A. Koehler. Quasi-projective and quasi-injective modules. *Pacific J. Math*, 36(3):713–720, (1971).

- [32] T. Y. Lam. *Lectures on modules and rings*, volume 189. Springer Science & Business Media, (2012).
- [33] G. Lee. Principally quasi-baer modules and their generalizations. *Communications in Algebra*, 47(10):4077–4094, (2019).
- [34] G. Lee and M. Medina-Bárcenas. \sum -rickart modules. *Journal of Algebra and Its Applications*, 19(11):2050207, (2020).
- [35] G. Lee and M. Medina-Bárcenas. Finite \sum -rickart modules. *Communications in Algebra*, pages 1–21, (2022).
- [36] G. Lee, S. T. Rizvi, and C. S. Roman. Rickart modules. *Communications in Algebra*, 38(11):4005–4027, (2010).
- [37] G. Lee, S. T. Rizvi, and C. S. Roman. Dual rickart modules. *Communications in algebra*, 39(11):4036–4058, (2011).
- [38] G. Lee, S. T. Rizvi, and C. Roman. When do the direct sums of modules inherit certain properties? In *Contemporary Ring Theory 2011*, pages 47–77. World Scientific, (2012).
- [39] G. Lee, S. T. Rizvi, and C. S. Roman. Direct sums of rickart modules. *Journal of Algebra*, 353(1):62–78, (2012).
- [40] G. Lee, S. T. Rizvi, and C. S. Roman. Modules whose endomorphism rings are von neumann regular. *Communications in Algebra*, 41(11):4066–4088, (2013).
- [41] S. Maeda. On a ring whose principal right ideals generated by idempotents form a lattice. *Journal of Science of the Hiroshima University, Series A (Mathematics, Physics, Chemistry)*, 24(3):509–525, (1960).

- [42] Y. Miyashita. Quasi-projective modules perfect modules and a theorem for modular lattices. *Journal of the Faculty of Science Hokkaido University. Ser. 1 Mathematics*, 19(2):086–110, 1966.
- [43] S. H. Mohamed and B. J. Müller. *Continuous and discrete modules*, volume 147. Cambridge University Press, (1990).
- [44] T. H. N. Nhan. Essentially baer modules. *Chebyshevskii Sbornik*, 16(3):355–375, (2015).
- [45] K. Oshiro. Lifting modules, extending modules and their applications to qf-rings. *Hokkaido Math. J.*, 13(3):310–338, 1984.
- [46] B. L. Osofsky. Noninjective cyclic modules. *Proceedings of the American Mathematical Society*, 19(6):1383–1384, (1968).
- [47] K. M. Rangaswamy. Abelian groups with endomorphic images of special types. *Journal of Algebra*, 6(3):271–280, (1967).
- [48] S. T. Rizvi and C. S. Roman. Baer and quasi-baer modules. *Communications in Algebra*, 32(1):103–123, (2004).
- [49] D. W. Sharpe and P. Vamos. *Injective Modules*, volume 62. Cambridge University Press, (1972).
- [50] M. S. Shrikhande. On hereditary and cohereditary modules. *Canadian Journal of Mathematics*, 25(4):892–896, (1973).
- [51] S. Singh and S. Jain. On pseudo injective modules and self pseudo injective rings. *J. Math. Sci.*, 2(1):125–133, 1967.
- [52] L. W. Small. Semihereditary rings. *Bulletin of the American Mathematical Society*, 73(5):656–658, (1967).

- [53] A. Tiwary and B. Pandeya. Pseudo projective and pseudo injective modules. *Indian J. Pure Appl. Math.*, 9(9):941–949, 1978.
- [54] A. K. Tiwary and S. Paramhans. On closures of submodules. *Indian J. Pure Appl. Math.*, 8:1415–1419, 1977.
- [55] R. Tribak, Y. Talebi, and M. Hosseinpour. Quasi-dual baer modules. *Arabian Journal of Mathematics*, 10(2):497–504, (2021).
- [56] D. K. Tütüncü and R. Tribak. On dual baer modules. *Glasgow Mathematical Journal*, 52(2):261–269, (2010).
- [57] D. K. Tütüncü, N. O. Ertaş, and R. Tribak. Cohereditary modules in σ [m]. In *Modules and Comodules*, pages 265–279. Springer, (2008).
- [58] B. Üngör, N. Agayev, S. Halıcıoğlu, and A. Harmancı. On principally quasi-baer modules. *Abelian journal of mathematics*, 5(3):165–173, (2011).
- [59] R. Wisbauer. *Modules and Algebras: Bimodule Structure on Group Actions and Algebras*, volume 81. CRC Press, (1996).
- [60] R. Wisbauer. *Foundations of Module and Ring Theory: A handbook for study and research*. Routledge, (2018).
- [61] R. Wisbauer. Tilting in module categories. In *abelian groups, module theory, and topology*, pages 421–444. CRC Press, (2019).
- [62] M. Yousif, I. Amin, and Y. Ibrahim. D3-modules. *Communications in Algebra*, 42(2):578–592, (2014).

List of Publications

1. **Shiv Kumar**, Ashok Ji Gupta, *Principally quasi-dual-Baer Modules*, **Palestine Journal of Mathematics** (Accepted-2022).
2. **Shiv Kumar**, Ashok Ji Gupta, *Purely Extending Modules and Their Generalizations*, **Kyungpook Mathematical Journal** (Accepted-2022).
3. **Shiv Kumar**, Ashok Ji Gupta, *Σ -dual-Rickart Modules*.
(Communicated)
4. **Shiv Kumar**, Ashok Ji Gupta, *Finite Σ -dual-Rickart Modules*.
(Communicated)
5. **Shiv Kumar**, Ashok Ji Gupta, and A. Majidinya, *Modules whose Endomorphism ring is Centrally AIP*.
(Communicated)