

LIST OF PEER-REVIEWED JOURNAL ARTICLES

398. Chang, B.P., Abdelwahab, M.A., Kiziltas, A., Mielewski, D.F., Mohanty, A.K., & **Misra, M.** (2021). "Effect of a small amount of synthetic fiber on performance of biocarbon-filled nylon-based hybrid biocomposites". *Macromolecular Materials and Engineering*, (Accepted: December 2020; In-Press: January 2021).
397. Chowdhury, I.H., Abdelwahab, M.A., **Misra, M.**, & Mohanty, A.K. (2021). "Sustainable Biocomposites from Recycled Bale Wrap Plastic and Agave Fiber: Processing and Properties Evaluation". *ACS Omega*, (Accepted: December 2020; In-Press: January 2021).
396. Paleri, D.M., Rodriguez-Uribe, A., **Misra, M.**, & Mohanty, A.K. (2021). "Preparation and characterization of eco-friendly hybrid biocomposites from natural rubber, biocarbon and carbon black". *eXPRESS Polymer Letters*, 15(3), 236-249.
395. Chen, G., **Mohanty, A.K.**, & Misra, M. (2020). "Progress in research and applications of Polyphenylene Sulfide blends and composites with carbons". *Composites Part B*, 108553.
394. Abdelwahab, M., Jacob, S., **Misra, M.**, & Mohanty, A.K. (2020). "Super-tough Sustainable Biobased Composites from Polylactide Bioplastic and Lignin for Bio-elastomer Application". *Polymer*, 123153.
393. Hedrick, M., Wu, F., Mohanty, A.K., & **Misra, M.** (2020). "Morphology and Performance Relationship Studies on Biodegradable Ternary Blends of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate), Polylactic acid, and Polypropylene carbonate". *RSC Advances*, 10(73), 44624-44632.
392. Meereboer, K., Pal, A., Cisneros-Lopez, E., **Misra, M.**, & Mohanty, A.K. (2020). "The Effect of Natural Fillers on the Marine Biodegradation Behaviour of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV)". *Scientific Reports*, (Accepted: October 2020; In-Press: January 2021).
391. Chapman, G., Pal, A.K., **Misra, M.**, & Mohanty, A.K. (2020). "Studies on 3D Printability of Novel Impact Modified Nylon 6: Experimental Investigations and Performance Evaluation". *Macromolecular Materials and Engineering*, 2000548.
390. Rodriguez-Uribe, A., Snowdon, M.R., Abdelwahab, M., Codou, A., **Misra, M.**, & Mohanty, A.K. (2020). "Impact of renewable carbon on the properties of composites made by using three types of polymers having different polarity". *Journal of Applied Polymer Science*, 49948.
389. Picard, M., Mohanty, A.K., **Misra, M.** (2020). "Recent Advances on Additive Manufacturing of Engineering Thermoplastics: Challenges and Opportunities". *RSC Advances*, 10(59), 36058-36089.
388. Marshall, T., Gravelle, A., Laredo, T., Rodriguez-Uribe, A., **Misra, M.**, Mohanty, A.K., Marangoni, A.G., Lim, L.T., & Pensini, E. (2020). "Zein-Based Materials: Effects of Nanocarbon Inclusion and Potential Applications". *Journal of Polymers and the Environment*, (Accepted: November 2020).
387. Poursorkhabi, V., Abdelwahab, M., **Misra, M.**, Khalil, H., Gharabaghi, B., & Mohanty, A.K. (2020). "Processing, Carbonization, and Characterization of Lignin Based Electrospun Carbon Fibers: A Review". *Frontiers in Energy Research*, 8, 208.
386. Andrzejewski, J., **Misra, M.**, & Mohanty, A.K. (2020). "Development of hybrid composites reinforced with biocarbon/carbon fiber system. The comparative study for PC, ABS and PC/ABS based materials". *Composites Part B: Engineering*, 200, 108319.
385. Wu, F., **Misra, M.**, & Mohanty, A.K. (2020). "Sustainable Green Composites from Biodegradable Plastics Blend and Natural Fibre with Balanced Performance: Synergy of Nano-structured Blend and Reactive Extrusion". *Composites Science and Technology*, 200, 108369.

384. Meereboer, K., **Misra, M.**, & Mohanty, A.K. (2020). "Review of Recent Advances on Biodegradability of Polyhydroxyalkanoate (PHA) Bioplastics and their Green Composites". *Green Chemistry*, 22 (17), 5519-5558.
383. Roy, P., Defersha, F., Rodriguez-Uribe, A., **Misra, M.**, & Mohanty, A.K. (2020). "Evaluation of the life cycle of an automotive component produced from biocomposite". *Journal of Cleaner Production*, 273, 123051.
382. Gonzalez de Gortari, M., Rodriguez-Uribe, A., **Misra, M.**, & Mohanty, A.K. (2020). "Insights on the structure-performance relationship of polyphthalamide (PPS) composites reinforced with high-temperature produced biocarbon". *RSC Advances*, 10(45), 26917-26927.
381. Li, Z., Reimer, C., Wang, T., Mohanty, A.K., & **Misra, M.** (2020). "Thermal and mechanical properties of the biocomposites of Miscanthus biocarbon and poly(3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV)". *Polymers*, 12(6), 1300.
380. Shamsuyeva, M., Chang, B.P., Vellguth, N., Mohanty, A.K., **Misra, M.**, & Endres, H.J. (2020). "Surface modification of flax fibers for effective manufacture of engineering thermoplastic biocomposites". *Journal of Composites Science*, 4(2), 64.
379. Watt, E., Abdelwahab, M., Snowdon, M., Mohanty, A.K., Khalil, H., & **Misra, M.** (2020). "Hybrid biocomposites from polypropylene, sustainable biocarbon and graphene nanoplatelets". *Scientific Reports*, 10:10714.
378. Pal, A.K., Wu, F., **Misra, M.**, & Mohanty, A.K. (2020) "Reactive Extrusion of Sustainable PHBV/PBAT-based Nanocomposite Films with Organically Modified Nanoclay for Packaging Applications: Compression Moulding vs. Cast Film Extrusion" *Composites Part B – Engineering*, 108141.
377. Smith, M., MP, D., Abdelwahab, M., Mielewski, D., **Misra, M.**, Mohanty, A.K. (2020) "Sustainable green composites from poly(3-hydroxybutyrate) (PHB) bioplastic and agave natural fibre". *RSC Green Chemistry*, 22, 3906-3916.
376. Fuentes, M., Thakur, S., Wu, F., **Misra, M.**, Gregori, S., Mohanty, A.K. (2020) "Study on the 3D printability of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) / poly(lactic acid) blends with chain extender using fused filament fabrication". *Scientific Reports*, 10(1), 1-12.
375. Zytner, P., Wu, F., **Misra, M.**, Mohanty, A.K. (2020) "Toughening of Biodegradable Poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/ Poly(ϵ -caprolactone) Blends by insitu Reactive Compatibilization" *ACS Omega*, 5, 25, 14900–14910.
374. Chang, B.P., Mohanty, A.K., **Misra, M.** (2020) "Studies on Durability of Sustainable Biobased Composites: A Review." *RSC Advances*, 10, 17955-17999.
373. Balint, T., Chang, B.P., Mohanty, A.K., **Misra, M.** (2020) "Underutilized agricultural co-product as a sustainable biofiller for polyamide 6,6: Effect of carbonization temperature". *Molecules*, 25(6), 1455.
372. Meereboer, K.W., Pal, A.K., **Misra, M.**, & Mohanty, A.K. (2020) "Sustainable PHBV/Cellulose Acetate Blends: Effect of a Chain Extender and a Plasticizer" *ACS Omega*, 5 (24), 14221-14231.
371. Tran, D.S., +Songmene, V., Ngo, A.D., +Kouam, J., Rodriguez-Uribe, A., **Misra, M.**, Mohanty, A.K. (2020) "Experimental Investigation on Machinability of Polypropylene Reinforced with Miscanthus Fibers and Biochar". *Materials*, 13, 5, 1181.

370. Picard, M., Thakur, S., **Misra, M.**, Mielewski, D.F., & Mohanty, A.K. (2020). "Biocarbon from peanut hulls and their green composites with biobased poly(trimethylene terephthalate) (PTT)" *Scientific Reports*, 10(1), 1-14.
369. Gowman, A., Rodriguez-Urbe, A., Defersha, F., Mohanty, A.K., & **Misra, M.** (2020) "Statistical design of sustainable composites from poly(lactic acid) and grape pomace" *Journal of Applied Polymer Science*, 49061.
368. Wu, F., **Misra, M.**, & Mohanty, A.K. (2020). "Tailoring the toughness of sustainable polymer blends from biodegradable plastics via morphology transition observed by atomic force microscopy" *Polymer Degradation and Stability*, 173, 109066.
367. Andrzejewski, A., Cheng, J., Anstey, A., Mohanty, A.K., & **Misra, M.** (2020). "Development of Toughened Blends of Poly(lactic acid) (PLA) and Poly(butylene adipate-co-terephthalate) (PBAT) for 3D Printing Applications: Compatibilization Methods and Material Performance Evaluation" *ACS Sustainable Chemistry & Engineering*, 8(17), 6576-6589.
366. Li, Z., Reimer, C., Picard, M., Mohanty, A.K., & **Misra, M.** (2020) "Characterization of Chicken Feather Biocarbon for Use in Sustainable Biocomposites" *Frontiers – Materials*, 7, 3.
365. Roy, P., Tadele, D., Defersha, F., **Misra, M.**, & Mohanty, A.K. (2020) "A comparative life cycle assessment of talc and biochar reinforced composites for light-weight automotive parts" *Clean Technologies and Environmental Policy*, 1-11.
364. Abdelwahab, M., Codou, A., Anstey, A., Mohanty, A.K., & **Misra, M.** (2020). "Studies on the dimensional stability and mechanical properties of nanobiocomposites from polyamide 6-filled with biocarbon and nanoclay hybrid systems". *Composites Part A*, 129, 105695.
363. Codou, A., **Misra, M.**, & Mohanty, A.K. (2020). "Sustainable biocomposites from nylon 6 and polypropylene blends and biocarbon - studies on tailored morphologies and complex composite structures". *Composites Part A*, 129, 105680.
362. Reimer, C., Snowdon, M. R., Vivekanandhan, S., You, X., **Misra, M.**, Gregori, S., Mielewski, D.F., & Mohanty, A. K. (2020). "Synthesis and characterization of novel nitrogen doped biocarbons from distillers dried grains with solubles (DDGS) for supercapacitor applications". *Bioresource Technology Reports*, 100375
361. Snowdon, M., Abdelwahab, M., **Misra, M.**, & Mohanty, A.K. (2020) "Mechanical Optimization of Virgin and Recycled Poly(ethylene terephthalate) Biocomposites with Sustainable Biocarbon through a Factorial Design" *Results in Materials*, 5, 100060.
360. Cisneros-López, E. O., Pal, A. K., Rodriguez-Urbe, A., Wu, F., **Misra, M.**, Mielewski, D. F., Kiziltas, A., & Mohanty, A. K. (2020). "Recycled Poly (Lactic Acid)-based 3D Printed Sustainable Biocomposites: A Comparative Study with Injection Molding". *Materials Today Sustainability*, 7, 100027.
359. Picard, M., Rodriguez-Urbe, A., Thimmanagari, M., **Misra, M.**, & Mohanty, A.K. (2020). "Sustainable biocomposites from poly(butylene succinate) and apple pomace: Analysis of performance compatibilization". *Waste and Biomass Valorization*, 11(7), 3775-3787.
358. Wu, F., Misra, M., and Mohanty, A.K. (2019) "Studies on why the heat deflection temperature of polylactide bioplastic cannot be improved by over-crosslinking" *Polymer Crystallization* (Accepted, Sept. 2019.)

357. Thakur, S., Cisneros-Lopez, E., Pin, J.-M., **Misra, M.**, and Mohanty, A.K. (2019). Green Toughness Modifier from Downstream Corn Oil in Improving Poly (lactic acid) Performance. *ACS Applied Polymer Material*, 1, 12, 3396-3406.
356. Abdelwahab, M., Rodriguez-Urbe, A., **Misra, M.**, & Mohanty, A.K. (2019). "Injection molded novel biocomposites from polypropylene and sustainable biocarbon". *Molecules*, 24, 22, 4026
355. Wu, F., **Misra, M.**, & Mohanty, A. K. (2019). Studies on why the heat deflection temperature of polylactide bioplastic cannot be improved by overcrosslinking. *Polymer Crystallization*, 10088.
354. Diederichs, E.; Picard, M.; Chang, B.P.; **Misra, M.**; Mielewski, D.; & Mohanty, A.K. (2019). "Strategy to improve printability of renewable resource based engineering plastic tailored for FDM applications". *ACS Omega*, 4,23, 20297-20307.
353. Cooper, C.J., Abdelwahab, M.A., Mohanty, A.K., & **Misra, M.** (2019). "Hybrid green bionanocomposites of bio-based poly(butylene succinate) reinforced with pyrolyzed perennial grass microparticles and graphene nanoplatelets". *ACS Omega*, 4, 24, 20476-20485.
352. Chang, B. P., Thakur, S., **Misra, M.**, & Mohanty, A.K. (2019). "Novel sustainable biobased flame retardant from functionalized vegetable oil for enhanced flame retardancy of engineering plastic", *Scientific Reports*, 9(1), 1-14.
351. Jubinville, D., Abdelwahab, M., Mohanty, A.K., & **Misra, M.** (2019). "A comparison in composite performance after thermo-oxidative aging of injection molded polyamide 6 with glass fiber, talc, and a sustainable biocarbon filler". *Journal of Applied Polymer Science*, 48618.
350. Gowman, A.C., Picard, M.C., Lim, L-T, **Misra, M.**, & Mohanty, A.K. (2019) "Fruit waste valorization for biodegradable biocomposite applications: A review". *BioResources*, 14, 4.
349. +Haram, M., Vivekanandhan, S., Ganesan, V., Muthuramkumar, S., Rodriguez-Urbe, A., Mohanty, A.K., & **Misra, M.** (2019). "Tecoma stans flower extract assisted biogenic synthesis of functional Ag-talc nanostructures for antimicrobial applications". *Bioresource Technology Reports*, 7, 100298.
348. Tadele, D., Roy, P., Defersha, F., **Misra, M.**, & Mohanty, A.K. (2019). "Life Cycle Assessment of renewable filler material (biochar) produced from perennial grass (*Miscanthus*)". *AIMS Energy*, 7,4,430-440.
347. Roy, P., Tadele, D., Defersha, F., **Misra, M.**, & Mohanty, A.K. (2019) "Environmental and economic prospects of biomaterials in the automotive industry". *Clean Technologies and Environmental Policy*, 1-14.
346. Qahtani, M., Wu, F., **Misra, M.**, Gregori, S., Mielewski, D.F., & Mohanty, A.K. (2019). "Experimental design of sustainable 3D printed poly(Lactic Acid) (PLA)/biobased poly(butylene succinate) (BioPBS) blends via fused deposition modelling". *ACS Sustainable Chemistry & Engineering*, 7, 17, 14460-14470.
345. Jubinville, D., Chang, B. P., Pin, J.-M., Mohanty, A. K. & **Misra, M.** (2019). "Synergistic thermo-oxidative maleation of PA11 as compatibilization strategy for PA6 and PBT blend". *Polymer*, 121594.
344. Wu, F., **Misra, M.**, & Mohanty, A.K. (2019). "Rheological monitoring of chemical gelation of biodegradable poly(butylene succinate): Importance of peroxide concentration and temperature in reactive extrusion". *ACS Applied Polymer Materials*, 1, 6, 1604-1612.
343. Pin, J.-M., **Misra, M.**, & Mohanty, A.K. (2019). "Crosslinkable liquid-crystalline biopolyesteramide as a multifunctional polymeric platform designed from corn oil side-stream product of bioethanol industry". *Macromolecular Rapid Communications*, 40, 1900093.

342. Ogunsona, E.O., Codou, A., **Misra, M.**, & Mohanty, A.K. (2019). "A critical review on the fabrication processes and performance of polyamide biocomposites from a biofiller perspective". *Materials Today Sustainability*, 100014.
341. Thakur, S., **Misra, M.**, & Mohanty, A.K. (2019). "Sustainable hydrophobic and moisture resistant coating derived from downstream corn oil". *ACS Sustainable Chemistry & Engineering*, 7(9), 8766-8774.
340. Chang, B.P., **Misra, M.** & Mohanty, A.K. (2019). "Sustainable biocarbon as an alternative of traditional-fillers for poly(butylene terephthalate)-based composites: thermo-oxidative aging and durability". *Journal of Applied Polymer Science*, 47722.
339. Demiroğlu Mustafafov, S., Mohanty, A.K., **Misra, M.**, & Seydibeyoğlu, M. Ö. (2019). "Fabrication of conductive lignin/PAN carbon nanofiber with enhanced graphene for the modified electrode". *Carbon*, 147, 262-275.
338. Abdelwahab, M., **Misra, M.**, & Mohanty, A.K. (2019). "Injection molded biocomposites from polypropylene and lignin: effect of compatibilizers on interfacial adhesion and performance". *Industrial Crops and Products*, 132, 497-510.
337. Snowdon, M.R., Wu, F., Mohanty, A.K., & **Misra, M.** (2019). "Comparative study of extrinsic properties of poly(lactic acid)-based biocomposites filled with talc versus sustainable biocarbon". *RSC Advances*, 9(12), 6752-6761.
336. Gowman, A.C., Picard, M.C., Rodriguez-Uribe, A., **Misra, M.**, Khalil, H., Thimmanagari, M., & Mohanty, A.K. (2019). "Physicochemical analysis of apple and grape pomaces". *BioResources*, 14(2), 3210-3230.
335. Picard, M., Thakur, S., **Misra, M.**, & Mohanty, A.K. (2019). "*Miscanthus* grass derived carbon dots to selectively detect Fe³⁺ ions". *RSC Advances*, 9(15), 8628-8637.
334. Zarrinbakhsh, N., Mohanty, A.K., & **Misra, M.** (2019). "Formulation optimization of bioreinforced composites from polyolefins and dried distillers' grains using statistical methods". *Composites Part A*, 119, 246-260.
333. Sánchez-Acosta, D., Rodriguez-Uribe, A., Álvarez-Chávez, C. R., Mohanty, A. K., **Misra, M.**, López-Cervantes, J., & Madera-Santana, T. J. (2019). "Physicochemical characterization and evaluation of pecan nutshell as biofiller in a matrix of poly (lactic acid)". *Journal of Polymers and the Environment*, 1-12.
332. Gitari, B., Chang, B.P., **Misra, M.**, Navabi, A., & Mohanty, A.K. (2019). "A comparative study on the mechanical, thermal and water barrier properties of PLA nanocomposite films prepared with bacterial nanocellulose and cellulose nanofibril". *BioResources*, 14(1), 1867-1889.
331. Wu, F., **Misra, M.**, & Mohanty, A.K. (2019). "Novel tunable super-tough material from biodegradable polymer blends: Nano-structuring through reactive extrusion". *RSC Advances*, 9, 2836-2847.
330. Wu, F., **Misra, M.**, & Mohanty, A.K. (2019). "Super toughened poly (lactic acid) (PLA)-based reactive ternary blends via enhancing interfacial compatibility". *ACS Omega*, 4(1), 1955-1968.
329. Mohanty, A. K., Vivekanandhan, S., Pin, J. M., & **Misra, M.** (2018). "Composites from renewable and sustainable resources: Challenges and innovations". *Science*, 362(6414), 536-542.
328. Gowman, A., Wang, T., Rodriguez-Uribe, A., Mohanty, A.K., & **Misra, M.** (2018) "Bio-poly(butylene succinate) and its composites with grape pomace: mechanical performance and thermal properties". *ACS Omega*, 3(9), 15205–15216.

327. Nakayama, D., Wu, F., Mohanty, A. K., Hirai, S., & **Misra, M.** (2018). "Biodegradable composites developed from PBAT/PLA binary blends and silk powder: compatibilization and performance evaluation". *ACS Omega*, 3(10), 12412-12421.
326. Chang, B.P., Mohanty, A.K., & **Misra, M.** (2018). "Tuning the compatibility to achieve toughened biobased poly(lactic acid)/poly(butylene terephthalate) blends". *RSC Advances*, 8, 27709 - 27724.
325. Quosai, P., Anstey, A., Mohanty, A. K., & **Misra, M.** (2018). "Characterization of biocarbon generated by high-and low-temperature pyrolysis of soy hulls and coffee chaff: for polymer composite applications". *Royal Society Open Science*, 5(8), 171970.
324. Snowdon, M., Mohanty, A.K., & **Misra, M.** (2018). "Effect of compatibilization on biobased rubber-toughened poly(trimethylene terephthalate): Miscibility, morphology, and mechanical properties". *ACS Omega*, 3(7), 7300–7309.
323. You, X., Snowdon, M. R., **Misra, M.**, & Mohanty, A. K. (2018). "Biobased poly (ethylene terephthalate)/poly (lactic acid) blends tailored with epoxide compatibilizers". *ACS Omega*, 3(9), 11759-11769.
322. You, X., **Misra, M.**, Gregori, S., & Mohanty, A. K. (2018). "Preparation of an electric double layer capacitor (EDLC) using Miscanthus-derived biocarbon". *ACS Sustainable Chemistry and Engineering*, 6(1), 318-324.
321. Codou, A., **Misra, M.**, & Mohanty, A. K. (2018). "Sustainable biocarbon reinforced nylon 6/ polypropylene compatibilized blends: Effect of particle size and morphology on performance of the biocomposites". *Composites Part A: Applied Science and Manufacturing*, 112, 1-10.
320. Codou, A., Anstey, A., **Misra, M.**, & Mohanty, A. K. (2018). "Novel compatibilized nylon-based ternary blends with polypropylene and poly (lactic acid): morphology evolution and rheological behaviour". *RSC Advances*, 8(28), 15709-15724.
319. Cooper, C. J., Mohanty, A. K., & **Misra, M.** (2018). "Electrospinning process and structure relationship of biobased poly(butylene succinate) for nanoporous fibers". *ACS Omega*, 3(5), 5547-5557.
318. Ogunsona, E., Codou, A., **Misra, M.**, & Mohanty, A.K., (2018). "Thermally stable pyrolytic biocarbon as an effective and sustainable reinforcing filler for polyamide bio-composites fabrication". *Journal of Polymers and the Environment*, 26(9), 3574–3589.
317. Pin, J.-M., Behazin, E., **Misra, M.**, & Mohanty, A.K., (2018). "Stereodynamic insight of the thermal history effect on poly(vinyl chloride) calorimetric sub-glass and glass transitions as fragile glass model". *Physical Chemistry Chemical Physics*, 20, 16333-16346.
316. Valerio, O., **Misra, M.**, & Mohanty, A.K., (2018). "Poly(glycerol-co-diacids) polyesters: from glycerol biorefinery to sustainable engineering applications, a review". *ACS Sustainable Chemistry & Engineering*, 6(5), 5681-5693.
315. Benwood, C., Anstey, A., Andrzejewski, J., **Misra, M.**, & Mohanty, A.K., (2018). "Improving the impact strength and heat resistance of 3D printed models: structure, property and processing relationships during fused deposition modeling (FDM) of poly(lactic acid) PLA". *ACS Omega*, 3(4), 4400-4411.
314. Wang, T., Rodriguez-Urbe, A., **Misra, M.**, & Mohanty, A.K., (2018). "Sustainable carbonaceous biofiller from miscanthus: size reduction, characterization, and potential bio-composites applications". *BioResources*, 13(2), 3720-3739.

313. Andrzejewski, J., **Misra, M.**, & Mohanty, A.K., (2018). "Polycarbonate biocomposites reinforced with hybrid filler system of recycled carbon fiber and biocarbon: preparation and thermo-mechanical characterization". *Journal of Applied Polymer Science*, 135(28), 46449.
312. Major, I., Pin, J.-M., Behazin, E., Rodriguez-Uribe, A., **Misra, M.**, & Mohanty, A.K. (2018). "Graphitization of miscanthus grass biocarbon enhanced by in situ generated FeCo nanoparticles". *Green Chemistry*, 20(10), 2269-2278.
311. Brown, E., Abdelwahab, M., Valerio, O., **Misra, M.**, & Mohanty, A.K. (2018). "In situ cellulose nanocrystal reinforced glycerol based biopolyester for enhancing poly(lactic acid) biocomposites". *ACS Omega*, 3(4), 3857-3867.
310. Li, Y., **Misra, M.**, & Gregori, S. (2018). "Printing green nanomaterials for organic electronics,". *IEEE Transactions on Components, Packaging and Manufacturing Technology*, 8(7), 1307-1315.
309. Codou, A., **Misra, M.**, & Mohanty, A.K. (2018). "Understanding the morphology formation and properties of polyamide 6 and bio-based poly(trimethylene terephthalate) blends". *Polymer Engineering and Science*, 58(12), 2210-2218.
308. Vishnukumara, P., Vivekanandhana, S., **Misra, M.**, & Mohanty, A.K. (2018). "Recent advances and emerging opportunities in phytochemical synthesis of ZnO nanostructures". *Materials Science in Semiconductor Processing*, 80(15), 143-161.
307. Anstey, A., Codou, A., **Misra, M.**, & Mohanty, A.K. (2018). "Novel compatibilized nylon-based ternary blends with polypropylene and poly(lactic acid): Fractionated crystallization phenomena and mechanical performance". *ACS Omega*, 3(3), 2845-2854.
306. Valerio, O., **Misra, M.**, & Mohanty, A. K. (2018). "Statistical design of sustainable thermoplastic blends of poly(glycerol succinate-co-maleate) (PGSMA), poly(lactic acid) (PLA) and poly(butylene succinate) (PBS)". *Polymer Testing*, 65, 420-428.
305. Behazin, E., Rodriguez-Uribe, A., **Misra, M.**, & Mohanty, A. K. (2018). "Long-term performance of β -nucleated toughened polypropylene-biocarbon composites". *Composites Part A: Applied Science and Manufacturing*, 105, 274-280.
304. +Arnold, S., Rodriguez-Uribe, A., **Misra, M.**, & Mohanty, A. K. (2018). "Slow pyrolysis of bio-oil and studies on chemical and physical properties of the resulting new bio-carbon". *Journal of Cleaner Production*, 172(20), 2748-2758.
303. Valerio, O., **Misra, M.**, & Mohanty, A. K. (2018). "Improvement of impact toughness of biodegradable poly (butylene succinate) by melt blending with sustainable biobased glycerol elastomers". *Journal of Polymers and the Environment*, 26(3), 1078-1087.
302. Biancaniello, M., Wang, T., **Misra, M.**, & Mohanty, A. K. (2018). "Plywood adhesives derived from distillers' dried grains with solubles (DDGS) incorporating 2-hydroxyethyl acrylate". *Journal of Applied Polymer Science*, 135(6), 45689.
301. Mashouf Roudsari, G., Mohanty, A. K., & **Misra, M.** (2017). Green approaches to engineer tough biobased epoxies: a review. *ACS Sustainable Chemistry & Engineering*, 5(11), 9528-9541.
300. Muthuraj, R., **Misra, M.**, & Mohanty, A. K. (2017). Biodegradable compatibilized polymer blends for packaging applications: A literature review. *Journal of Applied Polymer Science*, 135(24), 45726.

299. Valerio, O., **Misra, M.**, & Mohanty, A. K. (2017). Sustainable biobased blends of poly (lactic acid)(PLA) and poly (glycerol succinate-co-maleate)(PGSMA) with balanced performance prepared by dynamic vulcanization. *RSC advances*, 7(61), 38594-38603.
298. Li, Y., **Misra, M.**, & Gregori, S. (2017). "Comparison of conventional and regenerative electrostatic energy harvesters". *IET Circuits, Devices & Systems*, 11(6), 638-647.
297. Adams, B., Abdelwahab, M., **Misra, M.**, & Mohanty, A. K. (2017). "Injection-molded bioblends from lignin and biodegradable polymers: Processing and performance evaluation". *Journal of Polymers and the Environment*, 1-14.
296. Snowdon, M. R., Mohanty, A. K., & **Misra, M.** (2017). "Miscibility and performance evaluation of biocomposites made from polypropylene/poly (lactic acid)/poly (hydroxybutyrate-co-hydroxyvalerate) with a sustainable biocarbon filler". *ACS Omega*, 2(10), 6446-6454.
295. Muthuraj, R., **Misra, M.**, & Mohanty, A. K. (2017). "Biodegradable biocomposites from poly(butylene adipate-co-terephthalate) and miscanthus: Preparation, compatibilization and performance evaluation". *Journal of Applied Polymer Science*, 134(43), 45448.
294. Behazin, E., **Misra, M.**, & Mohanty, A.K. (2017). "Compatibilization of toughened polypropylene/biocarbon biocomposites: A full factorial design optimization of mechanical properties". *Polymer Testing*. 61, 364-372.
293. Mashouf Roudsari, G., Mohanty, A. K., & **Misra, M.** (2017). "A statistical approach to develop biocomposites from epoxy resin, poly (furfuryl alcohol), poly (propylene carbonate) and biochar". *Journal of Applied Polymer Science*, 134(38), 45307.
292. Behazin, E., **Misra, M.**, & Mohanty, A. K. (2017). "Sustainable biocomposites from pyrolyzed grass and toughened polypropylene: Structure-property relationships". *ACS Omega*, 2(5), 2191-2199.
291. Yuryev, Y., Mohanty, A. K., & **Misra, M.** (2017). "Novel durable biocomposites from biobased PC/PLA blend matrix system". *Composites Part B: Engineering*. 130, 158-166.
290. Valerio, O., **Misra, M.**, & Mohanty, A. K. (2017). "Improvement of impact toughness of biodegradable poly (butylene succinate) by melt blending with sustainable biobased glycerol elastomers". *Journal of Polymers and the Environment*, 1-10.
289. Snowdon, M. R., Mohanty, A. K., & **Misra, M.** (2017). "Examination of a biobased carbon nucleating agent on poly (lactic acid) crystallization". *Journal of Renewable Materials*, 5(1), 94-105.
288. Muthuraj, R., **Misra, M.**, & Mohanty, A. K. (2017). "Biocomposite consisting of miscanthus fibers and biodegradable binary blend matrix: compatibilization and performance evaluation". *RSC Advances*, 7(44), 27538-27548.
287. Ogunsona, E., **Misra, M.**, & Mohanty, A. K. (2017). "Accelerated hydrothermal aging of biocarbon reinforced nylon biocomposites". *Polymer Degradation and Stability*, 139, 76-88.
286. Pin, J., **Misra, M.**, & Mohanty, A. (2017). "Green design of nanoporous materials and carbonaceous foams from polyfurfuryl alcohol and epoxidized linseed oil". *Materials Letters*, 196, 238-241.
285. Ogunsona, E., **Misra, M.**, & Mohanty, A. (2017). "Impact of interfacial adhesion on the microstructure and property variations of biocarbons reinforced nylon 6 biocomposites". *Composites Part A: Applied Science and Manufacturing*, 98, 32-44.

284. Behazin, E., Mohanty, A. K., & **Misra, M.** (2017). "Sustainable biocarbon from pyrolyzed perennial grasses and their effects on impact modified polypropylene biocomposites". *Composites Part B: Engineering*, 118, 116-124.
283. Nagarajan, V., Mohanty, A. K., & **Misra, M.** (2017). "Blends of polylactic acid with thermoplastic copolyester elastomer: Effect of functionalized terpolymer type on reactive toughening". *Polymer Engineering and Science*, 58(3), 280-290.
282. Mashouf Roudsari, G., Mohanty, A. K., & **Misra, M.** (2017). "Exploring the effect of poly (propylene carbonate) polyol in biobased epoxy interpenetrating network". *ACS Omega*, 2(2), 611-617.
281. Muthuraj, R., **Misra, M.**, & Mohanty, A. K. (2017). "Reactive compatibilization and performance evaluation of miscanthus biofiber reinforced poly(hydroxybutyrate-co-hydroxyvalerate) biocomposites". *Journal of Applied Polymer Science*. 134(21), 44860.
280. Ogunsona, E.O., **Misra, M.**, & Mohanty, A. K. (2017). "Influence of epoxidized natural rubber on the phase structure and toughening behavior of biocarbon reinforced nylon 6 biocomposites". *RSC Advances*, 7(15), 8727-8739.
279. Pin, J.M., Valerio, O., **Misra, M.**, & Mohanty, A. (2017). "Impact of butyl glycidyl ether comonomer on poly (glycerol-succinate) architecture and dynamics for multifunctional hyperbranched polymer design". *Macromolecules*, 50 (3), 732-745.
278. Enriquez, E., Mohanty, A. K., & **Misra, M.** (2017). "Biobased blends of poly (propylene carbonate) and poly (hydroxybutyrate-co-hydroxyvalerate): Fabrication and characterization". *Journal of Applied Polymer Science*, 134(5).
277. Ogunsona, E.O., **Misra, M.**, & Mohanty, A. K. (2017). "Sustainable biocomposites from biobased polyamide 6, 10 and biocarbon from pyrolyzed *Miscanthus* fibers". *Journal of Applied Polymer Science*, 134(4).
276. Mashouf Roudsari, G., **Misra, M.**, & Mohanty, A. K. (2017). "A study of mechanical properties of biobased epoxy network: Effect of addition of epoxidized soybean oil and poly (furfuryl alcohol)". *Journal of Applied Polymer Science*, 134(1), 44352.
275. Vadori, R., **Misra, M.**, & Mohanty, A. K. (2017). "Statistical optimization of compatibilized blends of poly (lactic acid) and acrylonitrile butadiene styrene". *Journal of Applied Polymer Science*, 134(9).
274. Li, Y., **Misra, M.**, & Gregori, S. (2016). "Electrostatic energy harvester based on multiple variable capacitors". *IEEE International Conference on Electronics, Circuits and Systems*, 500-503.
273. Valerio, O., Pin, J. M., **Misra, M.**, & Mohanty, A. K. (2016). "Synthesis of glycerol-based biopolyesters as toughness enhancers for polylactic acid bioplastic through reactive extrusion". *ACS Omega*, 1(6), 1284-1295.
272. Nagarajan, V., Mohanty, A. K., & **Misra, M.** (2016). "Biocomposites with size-fractionated biocarbon: Influence of the microstructure on macroscopic properties". *ACS Omega*, 1(4), 636-647.
271. Yuryev, Y., Mohanty, A. K., & **Misra, M.** (2016). "Novel super-toughened bio-based blend from polycarbonate and poly (lactic acid) for durable applications". *RSC Advances*, 6(107), 105094-105104.
270. Poursorkhabi, V., Mohanty, A. K., & **Misra, M.** (2016). "Statistical analysis of the effects of carbonization parameters on the structure of carbonized electrospun organosolv lignin fibers". *Journal of Applied Polymer Science*, 133(45).

269. Nagarajan, V., Mohanty, A. K., & **Misra, M.** (2016). "Reactive compatibilization of poly trimethylene terephthalate (PTT) and polylactic acid (PLA) using terpolymer: Factorial design optimization of mechanical properties". *Materials & Design*, 110, 581-591.
268. Yuryev, Y., Mohanty, A. K., & **Misra, M.** (2016). "A new approach to supertough poly (lactic acid): a high temperature reactive blending". *Macromolecular Materials and Engineering*, 301(12), 1443-1453.
267. Henke, L., Zarrinbakhsh, N., Endres, H. J., **Misra, M.**, & Mohanty, A. K. "Biodegradable and bio-based green blends from carbon dioxide-derived bioplastic and poly (butylene succinate)". *Journal of Polymers and the Environment*, 1-11.
266. Vivekanandhan, S., Schreiber, M., +Muthuramkumar, S., **Misra, M.**, & Mohanty, A. K. (2016). "Carbon nanotubes from renewable feedstocks: A move toward sustainable nanofabrication". *Journal of Applied Polymer Science*. 134 (4), 44255.
265. Zarrinbakhsh, N., Wang, T., Rodriguez-Urbe, A., **Misra, M.**, & Mohanty, A. K. (2016). "Characterization of wastes and coproducts from the coffee industry for composite material production". *BioResources*, 11(3), 7637-7653.
264. Yuryev, Y., Mohanty, A. K., & **Misra, M.** (2016). "Hydrolytic stability of polycarbonate/poly (lactic acid) blends and its evaluation via poly (lactic) acid median melting point depression". *Polymer Degradation and Stability*, 134, 227-236
263. Sun, Q., Mekonnen, T., **Misra, M.**, & Mohanty, A. K. (2016). "Novel biodegradable cast film from carbon dioxide based copolymer and poly (lactic acid)". *Journal of Polymers and the Environment*, 24(1), 23-36.
262. Coativy, G., **Misra, M.**, & Mohanty, A. K. (2016). "Synthesis of shape memory poly (glycerol sebacate)-stearate polymer". *Macromolecular Materials and Engineering*, 302 (2), 1600294.
261. Enriquez, E., Mohanty, A. K., & **Misra, M.** (2016). "Alkali and peroxide bleach treatments on spring harvested switchgrass for potential composite application". *BioResources*, 11(4), 9922-9939.
260. +Zafar, M.T., Zarrinbakhsh, N., Mohanty, A. K., **Misra, M.**, Maiti, S. N., & Ghosh, A.K. (2016). "Biocomposites based on poly (lactic acid)/willow-fiber and their injection moulded microcellular foams". *Express Polymer Letters*, 10(2).
259. Vadori, R., **Misra, M.**, & Mohanty, A. K. (2016). "Sustainable biobased blends from the reactive extrusion of polylactide and acrylonitrile butadiene styrene". *Journal of Applied Polymer Science*, 133(45).
258. Coativy, G., **Misra, M.**, & Mohanty, A. K. (2016). "Microwave synthesis and melt blending of glycerol based toughening agent with poly (lactic acid)". *ACS Sustainable Chemistry & Engineering*, 4(4), 2142-2149.
257. Nagarajan, V., Mohanty, A. K., & **Misra, M.** (2016). "Crystallization behavior and morphology of polylactic acid (PLA) with aromatic sulfonate derivative". *Journal of Applied Polymer Science*, 133(28).
256. Nagarajan, V., Mohanty, A. K., & **Misra, M.** (2016). "Perspective on polylactic acid (PLA) based sustainable materials for durable applications: Focus on toughness and heat resistance". *ACS Sustainable Chemistry & Engineering*, 4(6), 2899-2916.
255. Abboud, Z., Vivekanandhan, S., **Misra, M.**, & Mohanty, A. K. (2016). "Leaf extract mediated biogenic process for the decoration of graphene with silver nanoparticles". *Materials Letters*, 178, 115-119.

254. Behazin, E., Ogunsona, E., Rodriguez-Urbe, A., Mohanty, A. K., **Misra, M.**, & Anyia, A.O. (2016). "Mechanical, chemical, and physical properties of wood and perennial grass biochars for possible composite application". *BioRes.* 11(1), 1334-1348.
253. Anstey, A., Vivekanandhan, S., Rodriguez-Urbe, A., **Misra, M.**, & Mohanty, A. K. (2016). "Oxidative acid treatment and characterization of new biocarbon from sustainable *Miscanthus* biomass". *Science of The Total Environment*, 550, 241-247.
252. Enriquez, E., Mohanty, A. K., & **Misra, M.** (2016). "Biobased polymer blends of poly (trimethylene terephthalate) and high density polyethylene". *Materials & Design*, 90, 984-990.
251. Muthuraj, R., **Misra, M.**, Defersha, F., & Mohanty, A. K. (2016). "Influence of processing parameters on the impact strength of biocomposites: A statistical approach". *Composites Part A: Applied Science and Manufacturing*, 83, 120-129.
250. Mekonnen, T., **Misra, M.**, & Mohanty, A. K. (2016). "Fermented soymeals and their reactive blends with poly (butylene adipate-co-terephthalate) in engineering biodegradable cast films for sustainable packaging". *ACS Sustainable Chemistry & Engineering*, 4(3), 782-793.
249. Ma, Z., Weersink, A., Vadori, R., & **Misra, M.** (2015). "Financial cost comparison of acrylonitrile butadiene styrene (ABS) and BioABS". *Journal of Biobased Materials and Bioenergy*, 9(2), 244-251.
248. Abdelwahab, M. A., **Misra, M.**, & Mohanty, A. K. (2015). "Epoxidized pine oil-siloxane: Crosslinking kinetic study and thermomechanical properties". *Journal of Applied Polymer Science*, 132(37).
247. Deka, H., Wang, T., Mohanty, A. K., & **Misra, M.** (2015). "Novel biocomposites from biobased epoxy and corn-based distillers dried grains (DDG)". *Journal of Polymers and the Environment*, 23(4), 425-436.
246. Muthuraj, R., **Misra, M.**, & Mohanty, A. K. (2015). "Injection molded sustainable biocomposites from poly (butylene succinate) bioplastic and perennial grass". *ACS Sustainable Chemistry & Engineering*, 3(11), 2767-2776.
245. Valerio, O., Horvath, T., Pond, C., **Misra, M.**, & Mohanty, A. (2015). "Improved utilization of crude glycerol from biodiesel industries: synthesis and characterization of sustainable biobased polyesters". *Industrial Crops and Products*, 78, 141-147.
244. Myllytie, P., **Misra, M.**, & Mohanty, A. K. (2015). "Carbonized lignin as sustainable filler in biobased poly (trimethylene terephthalate) polymer for injection molding applications". *ACS Sustainable Chemistry & Engineering*, 4(1), 102-110.
243. Vadori, R., **Misra, M.**, & Mohanty, A. K. (2015). "Studies on the reaction of acrylonitrile butadiene styrene to melt processing conditions". *Macromolecular Materials and Engineering*, 300(7), 750-757.
242. Abdelwahab, M. A., Taylor, S., **Misra, M.**, & Mohanty, A. K. (2015). "Thermo-mechanical characterization of bioblends from polylactide and poly (butylene adipate-co-terephthalate) and lignin". *Macromolecular Materials and Engineering*, 300(3), 299-311.
241. Nagarajan, V., Zhang, K., **Misra, M.**, & Mohanty, A. K. (2015). "Overcoming the fundamental challenges in improving the impact strength and crystallinity of PLA biocomposites: influence of nucleating agent and mold temperature". *ACS Applied Materials & Interfaces*, 7(21), 11203-11214.
240. Muthuraj, R., **Misra, M.**, & Mohanty, A. K. (2015). "Hydrolytic degradation of biodegradable polyesters under simulated environmental conditions". *Journal of Applied Polymer Science*, 132(27).

239. Torres, S., Navia, R., Campbell Murdy, R., Cooke, P., **Misra, M.**, & Mohanty, A. K. (2015). "Green composites from residual microalgae biomass and poly (butylene adipate-co-terephthalate): processing and plasticization". *ACS Sustainable Chemistry & Engineering*, 3(4): 614–624.
238. Vivekanandhan, S., **Misra, M.**, & Mohanty, A. K. (2015). "Microscopic, structural, and electrical characterization of the carbonaceous materials synthesized from various lignin feedstocks". *Journal of Applied Polymer Science*, 132(15).
237. Zaverl, M., Valerio, O., **Misra, M.**, & Mohanty, A. (2015). "Study of the effect of processing conditions on the co-injection of PBS/PBAT and PTT/PBT blends for parts with increased bio-content". *Journal of Applied Polymer Science*, 132(2).
236. Snowdon, M., Mohanty, A. K., & **Misra, M.** (2015). "Melt processing and characterization of bionanocomposites made from poly (butylene succinate) bioplastic and carbon black". *Macromolecular Materials and Engineering*, 300(1), 118-126.
235. Poursorkhabi, V., Mohanty, A. K., & **Misra, M.** (2015). "Electrospinning of aqueous lignin/poly (ethylene oxide) complexes". *Journal of Applied Polymer Science*, 132(2).
234. Vivekanandhan, S., +Venkateswarlu, M., Rawls, H. R., **Misra, M.**, Mohanty, A. K., & Satyanarayana, N. (2015). "Synthesis and characterization of AgNP:ZrO₂ functional nanomaterials by leaf extract assisted bioreduction process". *Ceramics International*, 41(2), 3305-3311.
233. Mishra, A., Singh, S. K., Dash, D., Aswal, V. K., Maiti, B., **Misra, M.**, & Maiti, P. (2014). Self-assembled aliphatic chain extended polyurethane nanobiohybrids: Emerging hemocompatible biomaterials for sustained drug delivery. *Acta biomaterialia*, 10(5), 2133-2146.
232. Li, Y., **Misra, M.**, & Gregori, S. (2014). "Model and prototype of a green electrostatic harvester of vibration energy". *IEEE 57th International Midwest Symposium on Circuits and Systems*, 53-56.
231. Zarrinbakhsh, N., Defersha, F. M., Mohanty, A. K., & **Misra, M.** (2014). "A statistical approach to engineer a biocomposite formulation from biofuel coproduct with balanced properties". *Journal of Applied Polymer Science*, 131(13).
230. Snowdon, M. R., Mohanty, A. K., & **Misra, M.** (2014). "A study of carbonized lignin as an alternative to carbon black". *ACS Sustainable Chemistry & Engineering*, 2(5), 1257-1263.
229. Wagner, A., Poursorkhabi, V., Mohanty, A. K., & **Misra, M.** (2014). "Analysis of porous electrospun fibers from poly (L-lactic acid)/poly (3-hydroxybutyrate-co-3-hydroxyvalerate) blends". *ACS Sustainable Chemistry & Engineering*, 2(8), 1976-1982.
228. Sahoo, S., **Misra, M.**, & Mohanty, A. K. (2014). "Biocomposites from switchgrass and lignin hybrid and poly (butylene succinate) bioplastic: studies on reactive compatibilization and performance evaluation". *Macromolecular Materials and Engineering*, 299(2), 178-189.
227. Reddy, M. M., **Misra, M.**, & Mohanty, A. K. (2014). "Biodegradable blends from corn gluten meal and poly (butylene adipate-co-terephthalate) (PBAT): studies on the influence of plasticization and deconstructurization on rheology, tensile properties and interfacial interactions". *Journal of Polymers and the Environment*, 22(2), 167-175.
226. Muthuraj, R., **Misra, M.**, & Mohanty, A. K. (2014). "Biodegradable poly (butylene succinate) and poly (butylene adipate-co-terephthalate) blends: reactive extrusion and performance evaluation". *Journal of Polymers and the Environment*, 22(3), 336-349.

225. Zhang, K., Nagarajan, V., Zarrinbakhsh, N., Mohanty, A. K., & **Misra, M.** (2014). "Co-injection molded new green composites from biodegradable polyesters and *Miscanthus* fibers". *Macromolecular Materials and Engineering*, 299(4), 436-446.
224. Smyth, M., Poursorkhabi, V., Mohanty, A. K., Gregori, S., & **Misra, M.** (2014). "Electrospinning highly oriented and crystalline poly (lactic acid) fiber mats". *Journal of Materials Science*, 49(6), 2430-2441.
223. Vivekanandhan, S., Schreiber, M., Mason, C., Mohanty, A. K., & **Misra, M.** (2014). "Maple leaf (*Acer* sp.) extract mediated green process for the functionalization of ZnO powders with silver nanoparticles". *Colloids and Surfaces B: Biointerfaces*, 113, 169-175.
222. Huber, T., **Misra, M.**, & Mohanty, A. K. (2014). "Mechanical properties of compatibilized nylon 6/polypropylene blends; studies of the interfacial behavior through an emulsion model". *Journal of Applied Polymer Science*, 131(18).
221. Anstey, A., Muniyasamy, S., Reddy, M. M., **Misra, M.**, & Mohanty, A. (2014). "Processability and biodegradability evaluation of composites from poly (butylene succinate) (PBS) bioplastic and biofuel co-products from Ontario". *Journal of Polymers and the Environment*, 22(2), 209-218.
220. Deka, H., Mohanty, A., & **Misra, M.** (2014). "Renewable-resource-based green blends from poly (furfuryl alcohol) bioresin and lignin". *Macromolecular Materials and Engineering*, 299(5), 552-559.
219. Mashouf Roudsari, G., Mohanty, A. K., & **Misra, M.** (2014). "Study of the curing kinetics of epoxy resins with biobased hardener and epoxidized soybean oil". *ACS Sustainable Chemistry and Engineering*, 2, 2111-2116.
218. Zhang, K., **Misra, M.**, & Mohanty, A. K. (2014). "Toughened sustainable green composites from poly (3-hydroxybutyrate-co-3-hydroxyvalerate) based ternary blends and *Miscanthus* biofiber". *ACS Sustainable Chemistry & Engineering*, 2(10), 2345-2354.
217. Zhang, K., Nagarajan, V., **Misra, M.**, & Mohanty, A. K. (2014). "Supertoughened renewable PLA reactive multiphase blends system: phase morphology and performance". *ACS Applied Materials & Interfaces*, 6(15), 12436-12448.
216. Schreiber, M., Vivekanandhan, S., Mohanty, A. K., & **Misra, M.** (2014). "Iodine treatment of lignin-cellulose acetate electrospun fibers: enhancement of green fiber carbonization". *ACS Sustainable Chemistry & Engineering*, 3(1), 33-41.
215. Zarrinbakhsh, N., Mohanty, A. K., Fraser, E., Hayward, G., & **Misra, M.** (2014). "Novel materials from distillers' grains: A new window for a sustainable bioethanol industry". *Journal of Biobased Materials and Bioenergy*, 8(4), 387-402.
214. Schreiber, M., Vivekanandhan, S., Cooke, P., Mohanty, A. K., & **Misra, M.** (2014). "Electrospun green fibres from lignin and chitosan: a novel polycomplexation process for the production of lignin-based fibres". *Journal of Materials Science*, 49(23), 7949-7958.
213. Chen, R., Abdelwahab, M.A., **Misra, M.**, & Mohanty, A. K. (2014). "Biobased ternary blends of lignin, poly (lactic acid), and poly (butylene adipate-co-terephthalate): the effect of lignin heterogeneity on blend morphology and compatibility". *Journal of Polymers and the Environment*, 22(4), 439-448.
212. Haq, M., Burgueño, R., Mohanty, A. K., & **Misra, M.** (2014). "Hybrid bio-based composites from UPE/EML blends, natural fibers, and nanoclay". *Macromolecular Materials and Engineering*, 299(11), 1306-1315.

211. Chen, R., **Misra, M.**, & Mohanty, A. K. (2014). "Injection-moulded biocomposites from polylactic acid (PLA) and recycled carbon fibre evaluation of mechanical and thermal properties". *Journal of Thermoplastic Composite Materials*, 27(9), 1286-1300.
210. Fam, A., Eldridge, A., & **Misra, M.** (2013). Mechanical characteristics of glass fibre reinforced polymer made of furfuryl alcohol bio-resin. *Materials and structures*, 47(7), 1195-1204.
209. Konwarh, R., Karak, N., & **Misra, M.** (2013). Electrospun cellulose acetate nanofibers: the present status and gamut of biotechnological applications. *Biotechnology advances*, 31(4), 421-437.
208. Sain, S., Bose, M., Ray, D., Mukhopadhyay, A., Sengupta, S., Kar, T., ... & **Misra, M.** (2013). A comparative study of polymethylmethacrylate/cellulose nanocomposites prepared by in situ polymerization and ex situ dispersion techniques. *Journal of Reinforced Plastics and Composites*, 32(3), 147-159.
207. Jana, K. K., Vishwakarma, N. K., Ray, B., Khan, S. A., Avasthi, D. K., **Misra, M.**, & Maiti, P. (2013). Nanochannel conduction in piezoelectric polymeric membrane using swift heavy ions and nanoclay. *RSC advances*, 3(17), 6147-6159.
206. Tiwari, V. K., Singh, N. K., Avasthi, D. K., **Misra, M.**, & Maiti, P. (2013). Swift heavy ions induced controlled biodegradation of poly (ϵ -caprolactone) nanohybrids. *Radiation Physics and Chemistry*, 82, 92-99.
205. Tiwari, V. K., Prasad, A. K., Singh, V., Jana, K. K., **Misra, M.**, Prasad, C. D., & Maiti, P. (2013). Nanoparticle and process induced super toughened piezoelectric hybrid materials: the effect of stretching on filled system. *Macromolecules*, 46(14), 5595-5603.
204. Huda, M. S., Schmidt, W. F., **Misra, M.**, & Drzal, L. T. (2013). Effect of fiber surface treatment of poultry feather fibers on the properties of their polymer matrix composites. *Journal of applied polymer science*, 128(2), 1117-1124.
203. Singh, N. K., Singh, S. K., Dash, D., Gonugunta, P., **Misra, M.**, & Maiti, P. (2013). CNT Induced β -phase in polylactide: unique crystallization, biodegradation, and biocompatibility. *The Journal of Physical Chemistry C*, 117(19), 10163-10174.
202. Jacob, S., **Misra, M.**, & Mohanty, A. (2013). "Green synthesis for lignin plasticization". *Journal of Renewable Materials*, 1(2), 154-165.
201. Li, Y., **Misra, M.**, & Gregori, S. (2013). "Regenerative electrostatic energy harvester with improved output power range". *IEEE 56th International Midwest Symposium on Circuits and Systems*, 133-136.
200. Zarrinbakhsh, N., Mohanty, A. K., & **Misra, M.** (2013). "Improving the interfacial adhesion in a new renewable resource-based biocomposites from biofuel coproduct and biodegradable plastic". *Journal of Materials Science*, 48(17), 6025-6038.
199. Zhou, X., Mohanty, A., & **Misra, M.** (2013). "A new biodegradable injection moulded bioplastic from modified soy meal and poly (butylene adipate-co-terephthalate): Effect of plasticizer and denaturant". *Journal of Polymers and the Environment*, 21(3), 615-622.
198. Reddy, J. P., Ahankari, S., **Misra, M.**, & Mohanty, A. (2013). "A new class of injection moulded structural biocomposites from PHBV bioplastic and carbon fibre". *Macromolecular Materials and Engineering*, 298(7), 789-795.

197. Muniyasamy, S., Anstey, A., Reddy, M.M., **Misra, M.**, & Mohanty, A. (2013). "Biodegradability and compostability of lignocellulosic based composite materials". *Journal of Renewable Materials*, 1(4), 253-272.
196. Reddy, M. M., Vivekanandhan, S., **Misra, M.**, Bhatia, S. K., & Mohanty, A. K. (2013). "Biobased plastics and bionanocomposites: Current status and future opportunities". *Progress in Polymer Science*, 38(10), 1653-1689.
195. Poursorkhabi, V., **Misra, M.**, & Mohanty, A. K. (2013). "Extraction of lignin from a coproduct of the cellulosic ethanol industry and its thermal characterization". *BioResources*, 8(4), 5083-5101.
194. Vadori, R., Mohanty, A. K., & **Misra, M.** (2013). "The Effect of Mold Temperature on the Performance of Injection Molded Poly (lactic acid)-Based Bioplastic". *Macromolecular Materials and Engineering*, 298(9), 981-990.
193. Muniyasamy, S., Reddy, M. M., **Misra, M.**, & Mohanty, A. (2013). "Biodegradable green composites from bioethanol co-product and poly (butylene adipate-co-terephthalate)". *Industrial Crops and Products*, 43, 812-819.
192. Toro, C., Reddy, M.M., Navia, R., Rivas, M., **Misra, M.**, & Mohanty, A. K. (2013). "Characterization and application in biocomposites of residual microalgal biomass generated in third generation biodiesel". *Journal of Polymers and the Environment*, 21(4), 944-951.
191. Nagarajan, V., Mohanty, A. K., & **Misra, M.** (2013). "Sustainable green composites: Value addition to agricultural residues and perennial grasses". *ACS Sustainable Chemistry & Engineering*, 1(3), 325-333.
190. Deka, H., **Misra, M.**, & Mohanty, A. (2013). "Renewable resource based "all green composites". from kenaf biofiber and poly (furfuryl alcohol) bioresin". *Industrial Crops and Products*, 41, 94-101.
189. Reddy, J. P., **Misra, M.**, & Mohanty, A. (2013). "Renewable resources-based PTT [poly (trimethylene terephthalate)]/switchgrass fiber composites: The effect of compatibilization". *Pure and Applied Chemistry*, 85(3), 521-532.
188. Vivekanandhan, S., Venkateswarlu, M., Carnahan, D., **Misra, M.**, Mohanty, A. K., & Satyanarayana, N. (2013). "Sol-gel mediated surface modification of nanocrystalline NiFe₂O₄ spinel powders with amorphous SiO₂". *Ceramics International*, 39(4), 4105-4111.
187. Nanda, M. R., **Misra, M.**, & Mohanty, A. K. (2013). "Performance evaluation of biofibers and their hybrids as reinforcements in bioplastic composites". *Macromolecular Materials and Engineering*, 298(7), 779-788.
186. Nagarajan, V., **Misra, M.**, & Mohanty, A. K. (2013). "New engineered biocomposites from poly (3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV)/poly (butylene adipate-co-terephthalate) (PBAT) blends and switchgrass: Fabrication and performance evaluation". *Industrial Crops and Products*, 42, 461-468.
185. Luo, X., Mohanty, A., & **Misra, M.** (2013). "Lignin as a reactive reinforcing filler for water-blown rigid biofoam composites from soy oil-based polyurethane". *Industrial Crops and Products*, 47, 13-19.
184. Reddy, J.P., **Misra, M.**, & Mohanty, A. (2013). "Injection Moulded Biocomposites from Oat Hull and Polypropylene/Poly lactide Blend: Fabrication and Performance Evaluation". *Advances in Mechanical Engineering*, 5, 761840.

183. Seydibeyoğlu, M.Ö., **Misra, M.**, Mohanty, A., Blaker, J. J., Lee, K. Y., Bismarck, A., & Kazemizadeh, M. (2013). "Green polyurethane nanocomposites from soy polyol and bacterial cellulose". *Journal of Materials Science*, 48(5), 2167-2175.
182. Luo, X., Mohanty, A., & **Misra, M.** (2013). "Green composites from soy-based biopolyurethane with microcrystalline cellulose". *Macromolecular Materials and Engineering*, 298(4), 412-418.
181. Zarrinbakhsh, N., Mohanty, A. K., & **Misra, M.** (2013). "Fundamental studies on water-washing of the corn ethanol coproduct (DDGS) and its characterization for biocomposite applications". *Biomass and Bioenergy*, 55, 251-259.
180. Panesar, S.S., Jacob, S., **Misra, M.**, & Mohanty, A. K. (2013). "Functionalization of lignin: Fundamental studies on aqueous graft copolymerization with vinyl acetate". *Industrial Crops and Products*, 46, 191-196.
179. Kumar, P.R., Venkateswarlu, M., **Misra, M.**, Mohanty, A. K., & Satyanarayana, N. (2013). "Enhanced conductivity and electrical relaxation studies of carbon-coated LiMnPO₄ nanorods". *Ionics*, 19(3), 461-469.
178. Konwarh, R., **Misra, M.**, Mohanty, A. K., & Karak, N. (2013). "Diameter-tuning of electrospun cellulose acetate fibers: A Box-Behnken design (BBD) study". *Carbohydrate polymers*, 92(2), 1100-1106.
177. Sahoo, S., **Misra, M.**, & Mohanty, A. K. (2013). "Effect of compatibilizer and fillers on the properties of injection molded lignin-based hybrid green composites". *Journal of Applied Polymer Science*, 127(5), 4110-4121.
176. Zaverl, M., **Misra, M.**, & Mohanty, A. (2013). "Use of the Taguchi Method for Optimization of Poly (Butylene Terephthalate) and Poly (Trimethylene Terephthalate) Blends through Injection Molding". *International Polymer Processing*, 28(5), 454-462.
175. Maiti, S., Ray, D., Mitra, D., & **Misra, M.** (2012). Study of compostable behavior of jute nano fiber reinforced biocopolyester composites in aerobic compost environment. *Journal of applied polymer science*, 123(5), 2952-2958.
174. Khan, N., **Misra, M.**, Koch, T., & Mohanty, A. K. (2012). "Applications of electrospun nanofibers in the biomedical field". *Studies by Undergraduate Researchers at Guelph*, 5(2), 63-73.
173. Reddy, M.M., Mohanty, A. K., & **Misra, M.** (2012). "Bio-based materials in the new bio-economy". *Chemical Engineering Progress*. 108(5): 37-42.
172. Petla, R.K., Khan, N., Vivekanandhan, S., Satyanarayana, N., Mohanty, A. K., & **Misra, M.** (2012). "Nanofibers: effective generation by electrospinning and their applications". *Journal of Nanoscience and Nanotechnology*, 12(1), 1-25.
171. Gonugunta, P., Vivekanandhan, S., Mohanty, A. K., & **Misra, M.** (2012). "A study on synthesis and characterization of biobased carbon nanoparticles from lignin". *World Journal of Nano Science and Engineering*, 2(03), 148-153.
170. Schreiber, M., Vivekanandhan, S., Mohanty, A. K., & **Misra, M.** (2012). "A study on the electrospinning behaviour and nanofibre morphology of anionically charged lignin". *Advance Material Letters*, 3, 476-480.

169. Petla, R.K., Vivekanandhan, S., **Misra, M.**, Mohanty, A. K., & Satyanarayana, N. (2012). "Soybean (Glycine max) leaf extract based green synthesis of palladium nanoparticles". *Journal of Biomaterials and Nanobiotechnology*, 3(1), 14-19.
168. Zaverl, M., Seydibeyoğlu, M.Ö., **Misra, M.**, & Mohanty, A. (2012). "Studies on recyclability of polyhydroxybutyrate-co-valerate bioplastic: Multiple melt processing and performance evaluations". *Journal of Applied Polymer Science*, 125(S2). E324-E331.
167. Nyambo, C., **Misra, M.**, & Mohanty, A. K. (2012). "Toughening of brittle poly (lactide) with hyperbranched poly (ester-amide) and isocyanate-terminated prepolymer of polybutadiene". *Journal of Materials Science*, 47(13), 5158-5168.
166. Reddy, M.M., Mohanty, A. K., & **Misra, M.** (2012). "Optimization of tensile properties thermoplastic blends from soy and biodegradable polyesters: Taguchi design of experiments approach". *Journal of Materials Science*, 47(6), 2591-2599.
165. Jacob, S., **Misra, M.**, & Mohanty, A. K. (2012). "Novel biocomposites from poly (trimethylene terephthalate) and recycled carbon fibres". *Journal of Materials Science*, 47(16), 6056-6065.
164. Reyes, I., Ciudad, G., **Misra, M.**, Mohanty, A., Jeison, D., & Navia, R. (2012). "Novel sequential batch membrane reactor to increase fatty acid methyl esters quality at low methanol to oil molar ratio". *Chemical Engineering Journal*, 197, 459-467.
163. Nanda, M. R., **Misra, M.**, & Mohanty, A. K. (2012). "Mechanical performance of soy-hull-reinforced bioplastic green composites: a comparison with polypropylene composites". *Macromolecular Materials and Engineering*, 297(2), 184-194.
162. Vivekanandhan, S., Christensen, L., **Misra, M.**, & Mohanty, A. K. (2012). "Green process for impregnation of silver nanoparticles into microcrystalline cellulose and their antimicrobial bionanocomposite films". *Journal of Biomaterials and Nanobiotechnology*, 3(3), 371-376.
161. Diebel, W., Reddy, M.M., **Misra, M.**, & Mohanty, A. (2012). "Material property characterization of co-products from biofuel industries: Potential uses in value-added biocomposites". *Biomass and Bioenergy*, 37, 88-96.
160. Zhang, K., Mohanty, A. K., & **Misra, M.** (2012). "Fully biodegradable and biorenewable ternary blends from polylactide, poly (3-hydroxybutyrate-co-hydroxyvalerate) and poly (butylene succinate) with balanced properties". *ACS Applied Materials & Interfaces*, 4(6), 3091-3101.
159. Vivekanandhan, S., Venkateswarlu, M., Carnahan, D., **Misra, M.**, Mohanty, A. K., & Satyanarayana, N. (2012). "Functionalization of single-walled carbon nanotubes with silver nanoparticles using Tecoma stans leaf extract". *Physica E: Low-dimensional Systems and Nanostructures*, 44(7), 1725-1729.
158. Reddy, M.M., Mohanty, A. K., & **Misra, M.** (2012). "Biodegradable blends from plasticized soy meal, polycaprolactone, and poly (butylene succinate)". *Macromolecular Materials and Engineering*, 297(5), 455-463.
157. Luo, X., Mohanty, A., & **Misra, M.** (2012). "Water-blown rigid biofoams from soy-based biopolyurethane and microcrystalline cellulose". *Journal of the American Oil Chemists' Society*, 89(11), 2057-2065.

156. Vivekanandhan, S., **Misra, M.**, & Mohanty, A. K. (2012). "Thermal, mechanical, and morphological investigation of injection molded poly (trimethylene terephthalate)/carbon fiber composites". *Polymer Composites*, 33(11), 1933-1940.
155. Jain, S., **Misra, M.**, Mohanty, A. K., & Ghosh, A. K. (2012). "Thermal, mechanical and rheological behavior of poly (lactic acid)/talc composites". *Journal of Polymers and the Environment*, 20(4), 1027-1037.
154. Mason, C., Vivekanandhan, S., **Misra, M.**, & Mohanty, A. K. (2012). "Switchgrass (*Panicum virgatum*) extract mediated green synthesis of silver nanoparticles". *World Journal of Nano Science and Engineering*, 2(02), 47-52.
153. Singh, N. K., Purkayastha, B. P. D., Roy, J. K., Banik, R. M., Gonugunta, P., **Misra, M.**, & Maiti, P. (2011). Tuned biodegradation using poly (hydroxybutyrate-co-valerate) nanobiohybrids: emerging biomaterials for tissue engineering and drug delivery. *Journal of Materials Chemistry*, 21(40), 15919-15927.
152. Kumar, P. R., Venkateswarlu, M., **Misra, M.**, Mohanty, A. K., & Satyanarayana, N. (2011). Carbon coated LiMnPO₄ nanorods for lithium batteries. *Journal of the Electrochemical Society*, 158(3), A227-A230.
151. Haq, M., Burgueño, R., Mohanty, A. K., & **Misra, M.** (2011). "Bio-based polymer nanocomposites from UPE/EML blends and nanoclay: Development, experimental characterization and limits to synergistic performance". *Composites Part A: Applied Science and Manufacturing*, 42(1), 41-49.
150. Mistri, E., Routh, S., Ray, D., Sahoo, S., & **Misra, M.** (2011). "Green composites from maleated castor oil and jute fibres". *Industrial Crops and Products*, 34(1), 900-906
149. Bonham, S., **Misra, M.**, & Mohanty, A. K. (2011). "Effect of co-rotation and counter-rotation extrusion processing on the thermal and mechanical properties, and morphology of plasticized soy protein isolate and poly (butylene succinate) blends". *Macromolecular Materials and Engineering*, 296(9), 788-801.
148. Petla, R.K., Venkateswarlu, M., **Misra, M.**, Mohanty, A. K., & Satyanayana, N. (2011). "Synthesis, characterization and electrical properties of carbon coated LiCoPO₄ nanoparticles". *Journal of Nanoscience and Nanotechnology*, 11(4), 3314-3322.
147. Nanda, M.R., **Misra, M.**, & Mohanty, A. K. (2011). "The effects of process engineering on the performance of PLA and PHBV blends". *Macromolecular Materials and Engineering*, 296(8), 719-728.
146. Prakash, I., Nallamuthu, N., Muralidharan, P., Venkateswarlu, M., **Misra, M.**, Mohanty, A., & Satyanarayana, N. (2011). "Preparation and characterization of nanocrystalline CoFe₂O₄ deposited on SiO₂: in situ sol-gel process". *Journal of Sol-Gel Science and Technology*, 58(1), 24-32.
145. Das, K., Ray, D., Bandyopadhyay, N. R., Sahoo, S., Mohanty, A. K., & **Misra, M.** (2011). "Physico-mechanical properties of the jute micro/nanofibril reinforced starch/polyvinyl alcohol biocomposite films". *Composites Part B: Engineering*, 42(3), 376-381.
144. Ahankari, S.S., Mohanty, A. K., & **Misra, M.** (2011). "Mechanical behaviour of agro-residue reinforced poly (3-hydroxybutyrate-co-3-hydroxyvalerate), (PHBV) green composites: A comparison with traditional polypropylene composites". *Composites Science and Technology*, 71(5), 653-657.
143. Sahoo, S., **Misra, M.**, & Mohanty, A. K. (2011). "Enhanced properties of lignin-based biodegradable polymer composites using injection moulding process". *Composites Part A: Applied Science and Manufacturing*, 42(11), 1710-1718.

142. Nyambo, C., Mohanty, A. K., & **Misra, M.** (2011). "Effect of maleated compatibilizer on performance of PLA/wheat Straw-Based green composites". *Macromolecular Materials and Engineering*, 296(8), 710-718.
141. Sahoo, S., Seydibeyoğlu, M.Ö., Mohanty, A. K., & **Misra, M.** (2011). "Characterization of industrial lignins for their utilization in future value added applications". *Biomass and bioenergy*, 35(10), 4230-4237.
140. Christensen, L., Vivekanandhan, S., **Misra, M.**, & Mohanty, A. K. (2011). "Biosynthesis of silver nanoparticles using murraya koenigii (curry leaf): an investigation on the effect of broth concentration in reduction mechanism and particle size". *Advanced Material Letters*, 2(6), 429-434.
139. Zarrinbakhsh, N., **Misra, M.**, & Mohanty, A. K. (2011). "Biodegradable Green Composites from Distiller's Dried Grains with Solubles (DDGS) and a Polyhydroxy (butyrate-co-valerate) (PHBV)-Based Bioplastic". *Macromolecular Materials and Engineering*, 296(11), 1035-1045.
138. Sahoo, S., **Misra, M.**, & Mohanty, A. K. (2011). "Enhanced properties of lignin-based biodegradable polymer composites using injection moulding process". *Composites Part A: Applied Science and Manufacturing*, 42(11), 1710-1718.
137. Das, K., Ray, D., Banerjee, C., Bandyopadhyay, N. R., Mohanty, A. K., & **Misra, M.** (2011). "Novel materials from unsaturated polyester resin/styrene/tung oil blends with high impact strengths and enhanced mechanical properties". *Journal of Applied Polymer Science*, 119(4), 2174-2182.
136. Vivekanandhan, S., Venkateswarlu, M., **Misra, M.**, Mohanty, A. K., & Satyanarayana, N. (2011). "Novel polymeric resin route for the surface modification of nanocrystalline LiCoO₂ particles with Al₂O₃". *Nanoscience and Nanotechnology Letters*, 3(2), 161-165.
135. Das, K., Ray, D., Adhikary, K., Bandyopadhyay, N. R., Mohanty, A. K., & **Misra, M.** (2010). "Development of recycled polypropylene matrix composites reinforced with fly ash". *Journal of Reinforced Plastics and Composites*, 29(4), 510-517.
134. Purkait, B.S., Ray, D., Sengupta, S., Kar, T., Mohanty, A., & **Misra, M.** (2010). "Isolation of cellulose nanoparticles from sesame husk". *Industrial & Engineering Chemistry Research*, 50(2), 871-876.
133. Reddy, M., Mohanty, A. K., & **Misra, M.** (2010). "Thermoplastics from soy protein: a review on processing, blends and composites". *Journal of Biobased Materials and Bioenergy*, 4(4), 298-316.
132. Vivekanandhan, S., Tang, D., **Misra, M.**, & Mohanty, A. K. (2010). "Novel Glycine Max (Soybean) Leaf Extract Based Biological Process for the Functionalization of Carbon Nanotubes with Silver Nanoparticles". *Nanoscience and Nanotechnology Letters*, 2(3), 240-243.
131. Pandey, J.K., Ahn, S. H., Lee, C.S., Mohanty, A. K., & **Misra, M.** (2010). "Recent advances in the application of natural fiber based composites". *Macromolecular Materials and Engineering*, 295(11), 975-989.
130. Das, K., Ray, D., Bandyopadhyay, N. R., Gupta, A., Sengupta, S., Sahoo, S., Mohanty, A. K. & **Misra, M.** (2010). "Preparation and characterization of cross-linked starch/poly (vinyl alcohol) green films with low moisture absorption". *Industrial & Engineering Chemistry Research*, 49(5), 2176-2185.
129. Nyambo, C., Mohanty, A. K., & **Misra, M.** (2010). "Polylactide-based renewable green composites from agricultural residues and their hybrids". *Biomacromolecules*, 11(6), 1654-1660.

128. Das, K., Ray, D., Banerjee, C., Bandyopadhyay, N. R., Sahoo, S., Mohanty, A. K., & **Misra, M.** (2010). "Physicomechanical and thermal properties of jute-nanofiber-reinforced biocopolyester composites". *Industrial & Engineering Chemistry Research*, 49(6), 2775-2782.
127. Ray, D., Das, K., Ghosh, S.N., Bandyopadhyay, N. R., Sahoo, S., Mohanty, A. K., & **Misra, M.** (2010). "Novel materials from sesame husks and unsaturated polyester resin". *Industrial & Engineering Chemistry Research*, 49(13), 6069-6074
126. Jain, S., Reddy, M.M., Mohanty, A. K., **Misra, M.**, & Ghosh, A. K. (2010). "A new biodegradable flexible composite sheet from poly (lactic acid)/poly (ϵ -caprolactone) blends and Micro-Talc". *Macromolecular Materials and Engineering*, 295(8), 750-762.
125. Singh, S., Mohanty, A. K., & **Misra, M.** (2010). "Hybrid bio-composite from talc, wood fiber and bioplastic: Fabrication and characterization". *Composites Part A: Applied Science and Manufacturing*, 41(2), 304-312.
124. Das, K., Ray, D., Banerjee, I., Bandyopadhyay, N. R., Sengupta, S., Mohanty, A. K., & **Misra, M.** (2010). "Crystalline morphology of PLA/clay nanocomposite films and its correlation with other properties". *Journal of Applied Polymer Science*, 118(1), 143-151.
123. Pradhan, R., **Misra, M.**, Erickson, L., & Mohanty, A. (2010). "Compostability and biodegradation study of PLA–wheat straw and PLA–soy straw based green composites in simulated composting bioreactor". *Bioresource technology*, 101(21), 8489-8491.
122. Seydibeyoğlu, M.Ö., **Misra, M.**, & Mohanty, A. (2010). "Synergistic improvements in the impact strength and% elongation of polyhydroxybutyrate-co-valerate copolymers with functionalized soybean oils and POSS". *International Journal of Plastics Technology*, 14(1), 1-16.
121. Pradhan, R., Reddy, M., Diebel, W., Erickson, L., **Misra, M.**, & Mohanty, A. (2010). "Comparative compostability and biodegradation studies of various components of green composites and their blends in simulated aerobic composting bioreactor". *International Journal of Plastics Technology*, 14(1), 45-50.
120. Haq, M., Burgueño, R., Mohanty, A. K., & **Misra, M.** (2009). "Processing techniques for bio-based unsaturated-polyester/clay nanocomposites: tensile properties, efficiency, and limits". *Composites Part A: Applied Science and Manufacturing*, 40(4), 394-403.
119. Ray, D., Roy, P., Sengupta, S., Sengupta, S. P., Mohanty, A. K., & **Misra, M.** (2009). "A study of physicomechanical and morphological properties of starch/poly (vinylalcohol) based films". *Journal of Polymers and the Environment*, 17(1), 56-63
118. Das, K., Ray, D., Bandyopadhyay, N. R., Ghosh, T., Mohanty, A. K., & **Misra, M.** (2009). "A study of the mechanical, thermal and morphological properties of microcrystalline cellulose particles prepared from cotton slivers using different acid concentrations". *Cellulose*, 16(5), 783-793.
117. Haq, M., Burgueño, R., Mohanty, A. K., & **Misra, M.** (2009). "Bio-based unsaturated polyester/layered silicate nanocomposites: Characterization and thermo-physical properties". *Composites Part A: Applied Science and Manufacturing*, 40(4), 540-547.
116. Ray, D., Roy, P., Sengupta, S., Sengupta, S. P., Mohanty, A. K., & **Misra, M.** (2009). "A study of dynamic mechanical and thermal behavior of starch/poly (vinylalcohol) based films". *Journal of Polymers and the Environment*, 17(1), 49-55.

115. Vivekanandhan, S., **Misra, M.**, & Mohanty, A. K. (2009). "Biological synthesis of silver nanoparticles using Glycine max (soybean) leaf extract: an investigation on different soybean varieties". *Journal of Nanoscience and Nanotechnology*, 9(12), 6828-6833.
114. Das, K., Ray, D., Bandyopadhyay, N. R., Sengupta, S., Sengupta, S. P., Mohanty, A. K., & **Misra, M.** (2009). "Preparation and Characterization of Organoclay Reinforced Polylactic Acid Biocomposite Films". *In Advanced Materials Research*, 67, 289-293.
113. Pradhan, R., Erickson, L., **Misra, M.**, & Mohanty, A. (2009). "Biological treatment of soy straw: physicochemical characterization". *Journal of Biobased Materials and Bioenergy*, 3(4), 373-379.
112. Kumar, S., Mohanty, A. K., Erickson, L., & **Misra, M.** (2009). "Lignin and its applications with polymers". *Journal of Biobased Materials and Bioenergy*, 3(1), 1-24.
111. Das, K., Bandyopadhyay, N. R., Ray, D., Mitra, D., Sengupta, S., Sengupta, S. P., Mohanty, A. K., & **Misra, M.** (2009). "Physico-mechanical and morphological study of starch/polyvinylalcohol based biocomposite films reinforced with microcrystalline cellulose". *Journal of Biobased Materials and Bioenergy*, 3(1), 100-107.
110. Sgriccia, N., Hawley, M. C., & **Misra, M.** (2008). "Characterization of natural fiber surfaces and natural fiber composites". *Composites Part A: Applied Science and Manufacturing*, 39(10), 1632-1637.
109. Liu, W., Mohanty, A. K., Askeland, P., Drzal, L. T., & **Misra, M.** (2008). "Modification of soy protein plastic with functional monomer with reactive extrusion". *Journal of Polymers and the Environment*, 16(3), 177-182.
108. Haq, M., Burgueño, R., Mohanty, A. K., & **Misra, M.** (2008). "Hybrid bio-based composites from blends of unsaturated polyester and soybean oil reinforced with nanoclay and natural fibers". *Composites Science and Technology*, 68(15), 3344-3351.
107. Huda, M. S., Drzal, L. T., Mohanty, A. K., & **Misra, M.** (2008). "Effect of fiber surface-treatments on the properties of laminated biocomposites from poly (lactic acid) (PLA) and kenaf fibers". *Composites Science and Technology*, 68(2), 424-432.
106. Huda, M.S., Drzal, L. T., Mohanty, A. K., & **Misra, M.** (2008). "Effect of chemical modifications of the pineapple leaf fiber surfaces on the interfacial and mechanical properties of laminated biocomposites". *Composite Interfaces*, 15(2-3), 169-191.
105. Liu, L., Jin, T., Liu, C. K., Hicks, K., Mohanty, A. K., Bhardwaj, R., & **Misra, M.** (2008). "A preliminary study on antimicrobial edible films from pectin and other food hydrocolloids by extrusion method". *Journal of Natural Fibers*, 5(4), 366-382.
104. Ray, D., Banerjee, S., Mohanty, A. K., & **Misra, M.** (2008). "Thermal and electrical behavior of vinylester resin matrix composites filled with fly ash particles". *Polymer composites*, 29(1), 58-62.
103. Drown, E. K., Mohanty, A. K., Parulekar, Y., Hasija, D., Harte, B. R., **Misra, M.**, & Kurian, J. V. (2007). "The surface characteristics of organoclays and their effect on the properties of poly (trimethylene terephthalate) nanocomposites". *Composites Science and Technology*, 67(15), 3168-3175.
102. Huda, M.S., Drzal, L.T., Mohanty, A. K., & **Misra, M.** (2007). "The effect of silane treated-and untreated-talc on the mechanical and physico-mechanical properties of poly (lactic acid)/newspaper fibers/talc hybrid composites". *Composites Part B: Engineering*, 38(3), 367-379.

101. Liu, W., Thayer, K., **Misra, M.**, Drzal, L. T., & Mohanty, A. K. (2007). "Processing and physical properties of native grass-reinforced biocomposites". *Polymer Engineering & Science*, 47(7), 969-976.
100. Miyagawa, H., Mohanty, A. K., Burgueño, R., Drzal, L. T., & **Misra, M.** (2007). "Novel biobased resins from blends of functionalized soybean oil and unsaturated polyester resin". *Journal of Polymer Science Part B: Polymer Physics*, 45(6), 698-704.
99. Ray, D., Bose, N. R., Mohanty, A. K., & **Misra, M.** (2007). "Modification of the dynamic damping behaviour of jute/vinylester composites with latex interlayer". *Composites Part B: Engineering*, 38(3), 380-385.
98. Zampaloni, M., Pourboghrat, F., Yankovich, S.A., Rodgers, B.N., Moore, J., Drzal, L. T., & **Misra, M.** (2007). "Kenaf natural fiber reinforced polypropylene composites: a discussion on manufacturing problems and solutions". *Composites Part A: Applied Science and Manufacturing*, 38(6), 1569-1580.
97. Liu, W., Drzal, L. T., Mohanty, A. K., & **Misra, M.** (2007). "Influence of processing methods and fiber length on physical properties of kenaf fiber reinforced soy based biocomposites". *Composites Part B: Engineering*, 38(3), 352-359.
96. Ray, D., Sengupta, S., Sengupta, S. P., Mohanty, A. K., & **Misra, M.** (2007). "A Study of the Mechanical and Fracture Behavior of Jute-Fabric-Reinforced Clay-Modified Thermoplastic Starch-Matrix Composites". *Macromolecular Materials and Engineering*, 292(10-11), 1075-1084.
95. Sahoo, S., Nakai, A., Kotaki, M., Ishiaku, U. S., Mohanty, A. K., **Misra, M.**, & Hamada, H. (2007). "Mechanical properties and durability of jute reinforced thermosetting composites". *Journal of Biobased Materials and Bioenergy*, 1(3), 427-436.
94. Huda, M., Drzal, L., **Misra, M.**, & Mohanty, A. (2006). "Wood-fiber-reinforced poly(lactic acid) composites: Evaluation of the physicomechanical and morphological properties". *Journal of Applied Polymer Science*, 102(5), 4856-4869.
93. Ray, D., Bhattacharya, D., Mohanty, A. K., Drzal, L. T., & **Misra, M.** (2006). "Static and dynamic mechanical properties of vinylester resin matrix composites filled with fly ash". *Macromolecular Materials and Engineering*, 291(7), 784-792.
92. Bhardwaj, R., Mohanty, A. K., Drzal, L. T., Pourboghrat, F., & **Misra, M.** (2006). "Renewable resource-based green composites from recycled cellulose fiber and poly (3-hydroxybutyrate-co-3-hydroxyvalerate) bioplastic". *Biomacromolecules*, 7(6), 2044-2051.
91. Ray, D., Sengupta, S., Sengupta, S. P., Mohanty, A. K., & **Misra, M.** (2006). "Preparation and properties of vinylester resin/clay nanocomposites". *Macromolecular Materials and Engineering*, 291(12), 1513-1520.
90. Tummala, P., Liu, W., Drzal, L. T., Mohanty, A. K., & **Misra, M.** (2006). "Influence of plasticizers on thermal and mechanical properties and morphology of soy-based bioplastics". *Industrial & engineering chemistry research*, 45(22), 7491-7496.
89. Park, H.M., Mohanty, A. K., Drzal, L. T., Lee, E., Mielewski, D. F., & **Misra, M.** (2006). "Effect of sequential mixing and compounding conditions on cellulose acetate/layered silicate nanocomposites". *Journal of Polymers and the Environment*, 14(1), 27-35.

88. Mehta, G., Drzal, L. T., Mohanty, A. K., & **Misra, M.** (2006). "Effect of fiber surface treatment on the properties of biocomposites from nonwoven industrial hemp fiber mats and unsaturated polyester resin". *Journal of Applied Polymer Science*, 99(3), 1055-1068.
87. Mehta, G., Mohanty, A. K., Drzal, L. T., Kamdem, D. P., & **Misra, M.** (2006). "Effect of accelerated weathering on biocomposites processed by SMC and compression molding". *Journal of Polymers and the Environment*, 14(4), 359-368.
86. Miyagawa, H., Mohanty, A. K., Burgueño, R., Drzal, L. T., & **Misra, M.** (2006). "Development of biobased unsaturated polyester containing functionalized linseed oil". *Industrial & Engineering Chemistry Research*, 45(3), 1014-1018.
85. Huda, M.S., Drzal, L. T., Mohanty, A. K., & **Misra, M.** (2006). "Chopped glass and recycled newspaper as reinforcement fibers in injection molded poly (lactic acid) (PLA) composites: a comparative study". *Composites Science and Technology*, 66(11), 1813-1824.
84. Miyagawa, H., Mohanty, A. K., Burgueño, R., Drzal, L. T., & **Misra, M.** (2006). "Characterization and thermophysical properties of unsaturated polyester-layered silicate nanocomposites". *Journal of Nanoscience and Nanotechnology*, 6(2), 464-471.
83. Wibowo, A.C., **Misra, M.**, Park, H.M., Drzal, L. T., Schalek, R., & Mohanty, A. K. (2006). "Biodegradable nanocomposites from cellulose acetate: mechanical, morphological, and thermal properties". *Composites Part A: Applied Science and Manufacturing*, 37(9), 1428-1433.
82. Miyagawa, H., Jurek, R. J., Mohanty, A. K., **Misra, M.**, & Drzal, L. T. (2006). "Biobased epoxy/clay nanocomposites as a new matrix for CFRP". *Composites Part A: Applied Science and Manufacturing*, 37(1), 54-62.
81. Wibowo, A.C., Desai, S. M., Mohanty, A. K., Drzal, L. T., & **Misra, M.** (2006). "A solvent free graft copolymerization of maleic anhydride onto cellulose acetate butyrate bioplastic by reactive extrusion". *Macromolecular Materials and Engineering*, 291(1), 90-95.
80. Huda, M. S., Drzal, L. T., **Misra, M.**, Mohanty, A. K., Williams, K., & Mielewski, D. F. (2005). "A study on biocomposites from recycled newspaper fiber and poly (lactic acid)". *Industrial & Engineering Chemistry Research*, 44(15), 5593-5601.
79. Pandey, J. K., Kumar, A. P., **Misra, M.**, Mohanty, A. K., Drzal, L. T., & Palsingh, R. (2005). "Recent advances in biodegradable nanocomposites". *Journal of Nanoscience and Nanotechnology*, 5(4), 497-526.
78. Burgueno, R., Quagliata, M.J., Mehta, G.M., Mohanty, A. K., **Misra, M.**, & Drzal, L. T. (2005). "Sustainable cellular biocomposites from natural fibers and unsaturated polyester resin for housing panel applications". *Journal of Polymers and the Environment*, 13(2), 139-149.
77. Mehta, G., Mohanty, A.K., Thayer, K., **Misra, M.**, & Drzal, L. T. (2005). "Novel biocomposites sheet molding compounds for low cost housing panel applications". *Journal of Polymers and the Environment*, 13(2), 169-175.
76. Liu, W., Mohanty, A. K., Drzal, L. T., & **Misra, M.** (2005). "Novel biocomposites from native grass and soy based bioplastic: Processing and properties evaluation". *Industrial & Engineering Chemistry Research*, 44(18), 7105-7112.

75. Miyagawa, H., **Misra, M.**, Drzal, L. T., & Mohanty, A. K. (2005). "Novel biobased nanocomposites from functionalized vegetable oil and organically-modified layered silicate clay". *Polymer*, 46(2), 445-453.
74. Miyagawa, H., **Misra, M.**, & Mohanty, A. K. (2005). "Mechanical properties of carbon nanotubes and their polymer nanocomposites". *Journal of Nanoscience and Nanotechnology*, 5(10), 1593-1615.
73. Liu, W., Mohanty, A. K., Drzal, L. T., **Misra, M.**, Kurian, J. V., Miller, R. W., & Strickland, N. (2005). "Injection molded glass fiber reinforced poly (trimethylene terephthalate) composites: fabrication and properties evaluation". *Industrial & Engineering Chemistry Research*, 44(4), 857-862.
72. Mohanty, A. K., Tummala, P., Liu, W., **Misra, M.**, Mulukutla, P.V., & Drzal, L. T. (2005). "Injection molded biocomposites from soy protein based bioplastic and short industrial hemp fiber". *Journal of Polymers and the Environment*, 13(3), 279-285.
71. Burgueno, R., Quagliata, M.J., Mohanty, A. K., Mehta, G., Drzal, L. T., & **Misra, M.** (2005). "Hybrid biofiber-based composites for structural cellular plates". *Composites Part A: Applied Science and Manufacturing*, 36(5), 581-593.
70. Burgueno, R., Quagliata, M.J., Mohanty, A. K., Mehta, G., Drzal, L. T., & **Misra, M.** (2005). "Hierarchical cellular designs for load-bearing biocomposite beams and plates". *Materials Science and Engineering: A*, 390(1), 178-187.
69. Liu, W., **Misra, M.**, Askeland, P., Drzal, L. T., & Mohanty, A. K. (2005). "'Green' composites from soy based plastic and pineapple leaf fiber: fabrication and properties evaluation". *Polymer*, 46(8), 2710-2721.
68. Huda, M.S., Mohanty, A. K., Drzal, L. T., Schut, E., & **Misra, M.** (2005). "'Green' composites from recycled cellulose and poly (lactic acid): Physico-mechanical and morphological properties evaluation". *Journal of Materials Science*, 40(16), 4221-4229.
67. Miyagawa, H., **Misra, M.**, Drzal, L. T., & Mohanty, A. K. (2005). "Fracture toughness and impact strength of anhydride-cured biobased epoxy". *Polymer Engineering & Science*, 45(4), 487-495.
66. Miyagawa, H., **Misra, M.**, Drzal, L. T., & Mohanty, A. K. (2005). "Biobased epoxy/layered silicate nanocomposites: thermophysical properties and fracture behavior evaluation". *Journal of Polymers and the Environment*, 13(2), 87-96.
65. Miyagawa, H., Mohanty, A. K., Drzal, L. T., & **Misra, M.** (2004). "Nanocomposites from biobased epoxy and single-wall carbon nanotubes: synthesis, and mechanical and thermophysical properties evaluation". *Nanotechnology*, 16(1), 118-124.
64. Miyagawa, H., Mohanty, A. K., **Misra, M.**, & Drzal, L. T. (2004). "Thermo-Physical and Impact Properties of Epoxy Containing Epoxidized Linseed Oil, 1". *Macromolecular Materials and Engineering*, 289(7), 629-635.
63. Miyagawa, H., Mohanty, A. K., **Misra, M.**, & Drzal, L. T. (2004). "Thermo-Physical and Impact Properties of Epoxy Containing Epoxidized Linseed Oil, 2". *Macromolecular Materials and Engineering*, 289(7), 636-641.
62. Choi, J. S., Lim, S. T., Choi, H. J., Mohanty, A. K., Drzal, L. T., **Misra, M.**, & Wibowo, A. (2004). "Preparation and characterization of plasticized cellulose acetate biocomposite with natural fiber". *Journal of Materials Science*, 39(21), 6631-6633.

61. Burgueno, R., Quagliata, M.J., Mohanty, A.K., Mehta, G., Drzal, L.T., & **Misra, M.** (2004). "Load-bearing natural fiber composite cellular beams and panels". *Composites Part A: Applied Science and Manufacturing*, 35(6), 645-656.
60. Liu, W., Mohanty, A. K., Askeland, P., Drzal, L. T., & **Misra, M.** (2004). "Influence of fiber surface treatment on properties of Indian grass fiber reinforced soy protein based biocomposites". *Polymer*, 45(22), 7589-7596.
59. Park, H.M., **Misra, M.**, Drzal, L. T., & Mohanty, A. K. (2004). ""Green" nanocomposites from cellulose acetate bioplastic and clay: effect of eco-friendly triethyl citrate plasticizer". *Biomacromolecules*, 5(6), 2281-2288.
58. Mohanty, A. K., Wibowo, A., **Misra, M.**, & Drzal, L. T. (2004). "Effect of process engineering on the performance of natural fiber reinforced cellulose acetate biocomposites". *Composites Part A: Applied Science and Manufacturing*, 35(3), 363-370.
57. Mehta, G., Mohanty, A. K., **Misra, M.**, & Drzal, L. T. (2004). "Effect of novel sizing on the mechanical and morphological characteristics of natural fiber reinforced unsaturated polyester resin based biocomposites". *Journal of Materials Science*, 39(8), 2961-2964.
56. Park, H.M., Liang, X., Mohanty, A. K., **Misra, M.**, & Drzal, L. T. (2004). "Effect of compatibilizer on nanostructure of the biodegradable cellulose acetate/organoclay nanocomposites". *Macromolecules*, 37(24), 9076-9082.
55. Miyagawa, H., Mohanty, A., Drzal, L. T., & **Misra, M.** (2004). "Effect of clay and alumina-nanowhisker reinforcements on the mechanical properties of nanocomposites from biobased epoxy: a comparative study". *Industrial & Engineering Chemistry Research*, 43(22), 7001-7009.
54. Liu, W., Mohanty, A. K., Drzal, L. T., Askel, P., & **Misra, M.** (2004). "Effects of alkali treatment on the structure, morphology and thermal properties of native grass fibers as reinforcements for polymer matrix composites". *Journal of Materials Science*, 39(3), 1051-1054.
53. Mehta, G., Mohanty, A.K., **Misra, M.**, & Drzal, L. T. (2004). "Biobased resin as a toughening agent for biocomposites". *Green Chemistry*, 6(5), 254-258.
52. Dwan'isa, J.P.L., Mohanty, A. K., **Misra, M.**, Drzal, L. T., & Kazemizadeh, M. (2004). "Biobased polyurethane and its composite with glass fiber". *Journal of Materials Science*, 39(6), 2081-2087.
51. Mishra, S., Mohanty, A. K., Drzal, L. T., **Misra, M.**, & Hinrichsen, G. (2004). "A review on pineapple leaf fibers, sisal fibers and their biocomposites". *Macromolecular Materials and Engineering*, 289(11), 955-974.
50. Dwan'isa, J.P.L., Mohanty, A. K., **Misra, M.**, Drzal, L. T., & Kazemizadeh, M. (2004). "Novel soy oil based polyurethane composites: Fabrication and dynamic mechanical properties evaluation". *Journal of Materials Science*, 39(5), 1887-1890.
49. Wibowo, A.C., Mohanty, A. K., **Misra, M.**, & Drzal, L. T. (2004). "Chopped industrial hemp fiber reinforced cellulosic plastic biocomposites: thermomechanical and morphological properties". *Industrial & Engineering Chemistry Research*, 43(16), 4883-4888.
48. **Misra, M.**, Park, H., Mohanty, A. K., & Drzal, L. T. (2004). "Sustainable nanocomposite materials from cellulosic plastics". *Nanotech*, 3, 316-319.

47. Mishra, S., Mohanty, A. K., Drzal, L. T., **Misra, M.**, Parija, S., Nayak, S. K., & Tripathy, S. S. (2003). "Studies on mechanical performance of biofibre/glass reinforced polyester hybrid composites". *Composites Science and Technology*, 63(10), 1377-1385.
46. Rout, J., **Misra, M.**, Mohanty, A. K., Nayak, S. K., & Tripathy, S. S. (2003). "SEM observations of the fractured surfaces of coir composites". *Journal of Reinforced Plastics and Composites*, 22(12), 1083-1100.
45. Mohanty, A. K., Wibowo, A., **Misra, M.**, & Drzal, L. T. (2003). "Development of renewable resource-based cellulose acetate bioplastic: Effect of process engineering on the performance of cellulosic plastics". *Polymer Engineering & Science*, 43(5), 1151-1161.
44. Dwan'Isa, J.P.L., Mohanty, A. K., **Misra, M.**, Drzal, L. T., & Kazemizadeh, M. (2003). "Novel biobased polyurethanes synthesized from soybean phosphate ester polyols: thermomechanical properties evaluations". *Journal of Polymers and the Environment*, 11(4), 161-168.
43. Mohanty, A. K., Drzal, L. T., & **Misra, M.** (2002). "Novel hybrid coupling agent as an adhesion promoter in natural fiber reinforced powder polypropylene composites". *Journal of Materials Science letters*, 21(23), 1885-1888.
42. Mishra, S., Tripathy, S. S., **Misra, M.**, Mohanty, A. K., & Nayak, S. K. (2002). "Novel eco-friendly biocomposites: biofiber reinforced biodegradable polyester amide composites—fabrication and properties evaluation". *Journal of Reinforced Plastics and Composites*, 21(1), 55-70.
41. Mohanty, A. K., Drzal, L. T., & **Misra, M.** (2002). "Engineered natural fiber reinforced polypropylene composites: influence of surface modifications and novel powder impregnation processing". *Journal of Adhesion Science and Technology*, 16(8), 999-1015.
40. Mishra, S., **Misra, M.**, Tripathy, S. S., Nayak, S. K., & Mohanty, A. K. (2002). "The influence of chemical surface modification on the performance of sisal-polyester biocomposites". *Polymer Composites*, 23(2), 164-170.
39. Mohanty, A. K., **Misra, M.**, & Drzal, L. T. (2002). "Sustainable bio-composites from renewable resources: opportunities and challenges in the green materials world". *Journal of Polymers and the Environment*, 10(1-2), 19-26.
38. Rout, J., **Misra, M.**, Tripathy, S. S., Nayak, S. K., & Mohanty, A. K. (2002). "Surface modification of coir fibers. II. Cu (II)-IO- 4 initiated graft copolymerization of acrylonitrile onto chemically modified coir fibers". *Journal of Applied Polymer Science*, 84(1), 75-82.
37. Mishra, S., **Misra, M.**, Tripathy, S. S., Nayak, S. K., & Mohanty, A. K. (2001). "Graft copolymerization of acrylonitrile on chemically modified sisal fibers". *Macromolecular Materials and Engineering*, 286(2), 107-113.
36. Rout, J., **Misra, M.**, Tripathy, S. S., Nayak, S. K., & Mohanty, A. K. (2001). "The influence of fibre treatment on the performance of coir-polyester composites". *Composites Science and Technology*, 61(9), 1303-1310.
35. Rout, J., Tripathy, S. S., **Misra, M.**, Mohanty, A. K., & Nayak, S. K. (2001). "The influence of fiber surface modification on the mechanical properties of coir-polyester composites". *Polymer Composites*, 22(4), 468-476.

34. Mohanty, A. K., **Misra, M.**, & Drzal, L. T. (2001). "Surface modifications of natural fibers and performance of the resulting biocomposites: an overview". *Composite Interfaces*, 8(5), 313-343.
33. Bismarck, A., Mohanty, A. K., Aranberri-Askargorta, I., Czapla, S., **Misra, M.**, Hinrichsen, G., & Springer, J. (2001). "Surface characterization of natural fibers; surface properties and the water up-take behavior of modified sisal and coir fibers". *Green chemistry*, 3(2), 100-107.
32. Rout, J., **Misra, M.**, Tripathy, S. S., Nayak, S. K., & Mohanty, A. K. (2001). "Novel eco-friendly biodegradable coir-polyester amide biocomposites: Fabrication and properties evaluation". *Polymer Composites*, 22(6), 770-778.
31. Parija, S., Mohanty, A. K., **Misra, M.**, Nayak, S. K., & Tripathy, S. S. (2001). "Studies on synthesis, characterization and adhesive strength evaluation of KFA substituted resole adhesives". *Polymers for Advanced Technologies*, 12(7), 407-414.
30. Parija, S., **Misra, M.**, & Mohanty, A. K. (2001). "Studies of natural gum adhesive extracts: an overview". *Journal of Macromolecular Science, Part C: Polymer Reviews*, 41(3), 175-197.
29. Rout, J., Tripathy, S. S., **Misra, M.**, & Mohanty, A. K. (2001). "Scanning electron microscopy study of chemically modified coir fibers". *Journal of Applied Polymer Science*, 79(7), 1169-1177.
28. Mishra, S., **Misra, M.**, Tripathy, S. S., Nayak, S. K., & Mohanty, A. K. (2001). "Potentiality of pineapple leaf fibre as reinforcement in PALF-polyester composite: Surface modification and mechanical performance". *Journal of Reinforced Plastics and Composites*, 20(4), 321-334.
27. Mohanty, A. K., Tripathy, P. C., **Misra, M.**, Parija, S., & Sahoo, S. (2000). "Chemical modification of pineapple leaf fiber: graft copolymerization of acrylonitrile onto defatted pineapple leaf fibers". *Journal of Applied Polymer Science*, 77(14), 3035-3043.
26. Parija, S., Mohanty, A. K., **Misra, M.**, & Nayak, S. K. (2000). "Evaluation of physico-mechanical properties of biodegradable kendu gum dust filled polyolefin blends". *Polymer Degradation and Stability*, 67(1), 7-12.
25. Mohanty, A. K., **Misra, M.**, & Hinrichsen, G. (2000). "Biofibres, biodegradable polymers and biocomposites: an overview". *Macromolecular Materials and Engineering*, 276(1), 1-24.
24. Rout, J., **Misra, M.**, & Mohanty, A. K. (1999). "Surface modification of coir fibers I: Studies on graft copolymerization of methyl methacrylate on to chemically modified coir fibers". *Polymers for Advanced Technologies*, 10(6), 336-344
23. Parija, S., **Misra, M.**, Mohanty, A. K., & Nayak, S. K. (1999). "Studies on effective bond strength of Kendu fruit adhesive". *Polymer-Plastics Technology and Engineering*, 38(5), 1107-1119.
22. Mohanty, A. K., Misra, B., **Misra, M.**, & Panigrahi, A. K. (1999). "Nucleophilic Displacement Polymerization of N, N'-BIS (p-Chlorobenzylidene)-4, 4'-Diaminodiphenyl Ether with Sodium Sulfide". *Polymer-Plastics Technology and Engineering*, 38(4), 783-792.
21. Tripathy, P. C., **Misra, M.**, Parija, S., Mishra, S., & Mohanty, A. K. (1999). "Studies of Cu (II)-IO4- initiated graft copolymerization of methyl methacrylate from defatted pineapple leaf fibres". *Polymer International*, 48(9), 868-872.

20. Mohanty, A. K., Das, D., Panigrahi, A. K., & **Misra, M.** (1998). "Synthesis and characterization of a novel polyamide: polycondensation of 2, 5-diaminothiazole with terephthalic acid". *European Polymer Journal*, 34(12), 1889-1892.
19. **Misra, M.**, Das, D., Padhi, K. B., Panigrahi, A. K., & Mohanty, A. K. (1998). "Synthesis and Characterization of a Novel Heterocyclic Poly (Schiff Base Sulfide) Polymer: Nucleophilic Displacement Polymerization of N, N'-Bis (p-chlorobenzylidene)-2, 6-diaminopyridine with Sodium Sulfide". *Journal of Macromolecular Science, Part A: Pure and Applied Chemistry*, 35(5), 867-873.
18. Mohanty, A. K., Parija, S., & **Misra, M.** (1998). "Characterization of gum adhesive from a renewable resource: Kendu fruit". *Journal of Polymer Materials*, 15(3), 311-315.
17. Samantaroy, S., Mohanty, A.K., **Misra, M.** (1998) "Removal of Cr (VI) by different adsorbents – A comparative study". *Indian Journal for Environmental Protection*, B 18, 679 – 682.
16. Mohanty, A. K., **Misra, M.**, & Misra, B. (1997). "Nucleophilic displacement Polymerization of N, N'-Bis (P-chlorobenzylidene)-4, 4'-diaminodiphenyl methane with sodium sulfide". *European Polymer Journal*, 33(7), 1087-1091
15. Samantaroy, S., Mohanty, A. K., & **Misra, M.** (1997). "Removal of hexavalent chromium by Kendu fruit gum dust". *Journal of Applied Polymer Science*, 66(8), 1485-1494.
14. Parija, S., **Misra, M.**, & Mohanty, A. K. (1997). "Studies on basic chemistry and some physico-chemical properties of gum adhesive from a renewable resource: Kendu fruit". *Journal of Polymer Materials*, 14(4), 297-301.
13. Mohanty, A. K., Parija, S., & **Misra, M.** (1996). "Ce (IV)-N-acetylglycine initiated graft copolymerization of acrylonitrile onto chemically modified pineapple leaf fibers". *Journal of Applied Polymer Science*, 60(7), 931-937.
12. Mohanty, A. K., **Misra, M.**, Pattnaik, D., & Tripathy, P. C. (1996). "Ce (IV)-N-acetylglycine initiated graft copolymerization of methyl methacrylate onto chemically modified pineapple leaf fibers". *Polymer—Plastics Technology and Engineering*, 35(3), 403-415.
11. Mohanty, A. K., & **Misra, M.** (1995). "Graft polymerization of acrylonitrile onto chemically modified bleached jute fibers". *Die Angewandte Makromolekulare Chemie*, 225(1), 1-9.
10. Mohanty, A. K., & **Misra, M.** (1995). "Studies on jute composites—A literature review". *Polymer-Plastics Technology and Engineering*, 34(5), 729-792.
9. Mohanty, A. K., **Misra, M.**, & Singh, B. C. (1994). "Kinetics of retarded polymerization: investigation of the retardation of peroxydisulfate/thiourea-initiated polymerization of acrylonitrile by phenol". *Polymer-Plastics Technology and Engineering*, 33(2), 207-219.
8. Mohanty, A. K., Patnaik, S., Singh, B. C., & **Misra, M.** (1989). "Graft copolymerization of acrylonitrile onto acetylated jute fibers". *Journal of Applied Polymer Science*, 37(5), 1171-1181.
7. **Misra, M.**, Mohanty, A. K., & Singh, B. C. (1988). "Studies on aqueous polymerization of acrylonitrile. Peroxodisulfate-thiourea redox system". *Die Angewandte Makromolekulare Chemie*, 157(1), 79-91.
6. Mohanty, A. K., Singh, B. C., & **Misra, M.** (1987). "Kinetics of retarded polymerization: Investigation of the retardation of V5+—thiourea initiated polymerization of methyl acrylate by phenol". *Journal of Polymer Science Part A: Polymer Chemistry*, 25(8), 2107-2116.

5. **Misra, M.**, Mohanty, A. K., & Singh, B. C. (1987). "A study on grafting of methyl methacrylate onto jute fiber (S₂O₈²⁻-thiourea redox system)". *Journal of Applied Polymer Science*, 33(8), 2809-2819.
4. Mohanty, A. K., Singh, B. C., & **Misra, M.** (1987). "Studies on graft copolymerization of methyl methacrylate onto chemically modified tussa silk fibers. Peroxydisulfate-thiourea redox system". *Die Angewandte Makromolekulare Chemie*, 150(1), 65-79.
3. Mohanty, A. K., Singh, B. C., & **Misra, M.** (1987). "Graft copolymerization of methyl methacrylate onto jute fibers. Studies on vanadium (V)-cyclohexanol redox system". *Die Angewandte Makromolekulare Chemie*, 147(1), 185-197.
2. Mohanty, A. K., **Misra, M.**, & Singh, B. C. (1986). "Retardation of V⁵⁺-thiourea initiated polymerization of acrylonitrile by phenol". *Die Angewandte Makromolekulare Chemie*, 142(1), 69-78.
1. **Misra, M.**, Mohanty, A. K., & Singh, B. C. (1986). "Kinetic Investigation on aqueous polymerization of acrylonitrile-bro₃⁻/cyclohexanone redox system". *Arabian Journal for Science and Engineering*, 11(3), 259-264.