

Annex-1

List of Scientific Articles Published in National & International Journals from PBRG Sub-projects

SI No.	PBRG Sub-project Title & ID No.	Title and author of the Scientific Articles	Impact Factor of the Journal (if any)
1.	Up-scaling and Application of Solar Photovoltaic Pump for Smallholder Irrigation and Household Appliances in the Central Coastal Region of Bangladesh (ID: 001)	Hossain M.A, M.A. Hoque, S. S. A. Kamar, M.A. Rahman, N.N. Karim, M.S. Islam, T. Ashraf and M.Kader. 2021. Solar Photovoltaic Power System for Irrigation and Household Applications in the Southern Region of Bangladesh. Submitted to Water Resource Management	N/A
2.	Groundwater resources management for sustainable crop production in northwest hydrological region of Bangladesh (ID: 002)	M. H. Ali1, M. H. Zaman, M. A. Islam, P. Biswas, N. N. Karim and M. A. Kader. (2021). Quality Assessment of Barind Groundwater Area in Bangladesh, Using Integrated Hydrochemical Method. Asian Journal of Advances in Agricultural Research. 16(4): 18-27; Article no.AJAAR.75120.	N/A
3.		M. H. Ali1, M. H. Zaman, M. A. Islam, P. Biswas, N. N. Karim and M. A. Kader. (2021). Recent Trend of Precipitation and Crop Planning at Rajshahi Region of Bangladesh. Asian Journal of Advances in Agricultural Research. 16(4): 28-39; Article no. AJAAR. 75121.	N/A
4.	Value addition and standardization of nutritional level in selected food items from Animal and plant origin (ID: 007)	Fouzder SK Khatun MA Khan MSI Abdulla MA Islam MM Effect of house feed on weight change of commercial broilers harvested at different marketing ages in Bangladesh. IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS), e-ISSN: 2319-2380, p-ISSN: 2319-2372. Volume 14, Issue 7 Ser. II (July 2021), PP 01-04. www.iosrjournals.org 10.9790/2380-1407020104	Impact Factor: 3.26
5.	DNA marker-assisted breeding for producing highly stress tolerant elite rice varieties for coastal Bangladesh by introgression of multiple salt tolerance loci (QTLs) into commercial cultivars (ID: 010)	Taslima Haque, Sabrina M Elias, Samsad Razzaque, Sudip Biswas, Sumaiya Farah Khan, G.M. Nurnabi Azad Jewel, Md. Sazzadur Rahman, Thomas E. Juenger, Zeba I Seraj Natural variation in growth and physiology under salt stress in rice: QTL mapping in a HorkuchxIR29 mapping population at seedling and reproductive stages. T Haque, SM Elias. S Razzaque, S Biswas, SF Khan, GMNA Jewel, MS Rahman, TE Juenger, ZI Seraj (2020). BioRxiv. https://doi.org/10.1101/2020.03.01.971895	N/A
6.	Food-based initiative for improving household food security, income generation and minimize malnutrition (ID: 011)	Md. Rishad Abdullah , Munshi Mamunur Rahman , Md. Abu Hemayet and Md. Abdul Jalil <i>Jalil et al.</i> (2021) Diversity of non-conventional vegetables in two ethnic communities of Khagrachari Sadar, Khagrachari, Bangladesh,	Impact Factor: 5.6

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		International Journal of Forestry, Ecology and Environment, Vol.02, Issue 01: 48-59. DOI: 10.18801/ijfee.020120.06	
7.		Md. Rishad Abdullah , Munshi Mamunur Rahman , Md. Abu Hemayet and Md. Abdul Jalil <i>Jalil et al (2021) Diversity of minor fruit species in two tribal communities of Sadar upazila, Khagrachari, Bangladesh, International Journal of Forestry, Ecology and Environment, Vol.01, Issue 02: 28-34</i> DOI: 10.18801/ijfee.010220.04	Impact Factor: 5.6
8.		Pingki, F. H., Hossain, M. B., Amin, S. N., Sultana, M., Islam, M. M., Rahman, A. A.,& Arshad, A.2020.Prevalence of malnutrition and associated factors of pond fish farmers from Noakhali Coast, Bangladesh. <i>Journal of Environmental Biology</i> , 41(5), 1171-1178.	Impact Factor:0.78
9.		Islam, R., B Hossain, M., & Islam, M. 2020. Nutrient Composition of Small Indigenous Fish Species (SIS) from Homestead Ponds of Noakhali Coast, Bangladesh. <i>Egyptian Journal of Aquatic Biology and Fisheries</i> , 24(7-Special issue), 943-954	Impact Factor: 0.737
10.		Sarker, M. M., Hossain, M. B., Islam, M. M., Mustafa Kamal, A. H., &Idris, M. H. 2021.Unravelling the diversity and assemblage of phytoplankton in homestead ponds of central coastal belt, Bangladesh. <i>Aquaculture Research</i> , 52(1), 167-184.	Impact Factor:2.08
11.		Hossain, M. B. 2021. Pond Fishes of Greater Noakhali: Taxonomy and Nutrition. Department of Fisheries and Marine Science, Noakhali Science and Technology University, Noakhali 3814, Bangladesh, 71 pp.	N/A
12.	Investigation and characterization of viral and bacterial diseases in selected fin fish and Shrimp in Bangladesh, vaccines development and validation (ID: 030)	Rahman MM, Rahman MA, Monir MS, Haque ME, Siddique MP, Khasruzzaman AK, Rahman MT, Islam MA. 2021. Isolation and molecular detection of <i>Streptococcus agalactiae</i> from popped eye disease of cultured Tilapia and Vietnamese koi fishes in Bangladesh. <i>Journal of Advanced Veterinary and Animal Research</i> . 8(1):14.	Impact Factor: 1.35
13.	Techniques Adoption and Formulation of Guidelines for Sustainable Management of Haor and Beel Fisheries,(ID-035)	Jasmin, A., Jewel, M.A.S., Hossain, M.A., Haque, M.A. and Siddique, M.A.B. 2020. Determination of suitable species for cage fish farming in Chalanbeel, Bangladesh. <i>International Journal of Fisheries and Aquatic Studies</i> , 8(2):315-320.	Impact Factor: 5.69
14.	Improvement of existing fattening technology of carp and high valued	Hossain, M.A., Hossain, M.A., Haque, M A., Mondol, M.M.R., Harun-Ur-Rashid, M. and Das, S. K. 2021. Determination of suitable stocking	N/A

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	small indigenous species (SIS) through good aquaculture practices (GAP) in different agro-ecosystems (ID: 037)	density for good aquaculture practice-based carp fattening in ponds under drought-prone areas of Bangladesh. <i>Aquaculture</i> , 547:737485. https://doi.org/10.1016/j.aquaculture.2021.737485	
15.		Md. Akhtar Hossain,Md. Anwar Hossain,Md. Ayenuddin Haque,Md. Mostafizur Rahman Mondol , Md. Harun Ur Rashid Determination of suitable species combination for good aquaculture practice based carp fattening in ponds under drought prone barind area of Bangladesh. <i>Archives of Agriculture and Environmental Science</i> , 5(2): 114-122. https://doi.org/10.26832/24566632.2020.050205	N/A
16.		Md. Anwar Hossain ,Md. Akhtar Hossain ,Md. Ayenuddin Haque ,Md. Harun-Ur-Rashid, Md. Moksedur Rahman Optimization of dietary protein level for good aquaculture practice based carp fattening in ponds under drought prone area of Bangladesh. <i>Archives of Agriculture and Environmental Science</i> , 6(1): 26-34. https://doi.org/10.26832/24566632.2021.060104	N/A
17.	Design and development of fertilizer deep placement mechanism for existing rice transplanter (ID: 064)	Hossen, M. A. , Bhuiyan, M. G. K. , Rahman, M. M., Zaman M. K. , Islam M. M. and Rahman M. A. Development of mixed fertilizer deep placement technology into soil simultaneously with mechanical rice seedling transplanting, J. Sci. Technol. Environ. Inform. 09(02): 649-664 Hossen et al. (2020) EISSN: 2409-7632, Journal home: www.journalbinet.com Crossref: https://doi.org/10.18801/jstei.090220.66	N/A
18.		<u>Md. Anwar Hossen, A B M Shahed, Md Al-Mamun, Tangina Aktar Tamanna</u> Effect of Mat Type Rice Seedling Growing Media on Block Formation and Fungal Infection, Journal of Bangladesh Agril Univ 18(4): 1073–1082, 2020, DOI: 10.5455/JBAU.127431	N/A
19.		A. B. M. Shahed , M. A. Hossen , M. R. Al Mamun , T. A. Tamanna and M. Mizanur Rahman. Impact of organic substance on growth attributes of mat type rice seedlings in the trays for machine transplanting, J. Sci. Technol. Environ. Inform. 10(01): 694-708 Shahed et al. (2020) EISSN: 2409-	Impact Factor: 1.225

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		7632, Journal home: www.journalbinet.com Crossref: https://doi.org/10.18801/jstei.100120.70	
20.	Upliftment of Farmers Livelihood and Enrichment of Environment through Improved Agroforestry Practices in Char Land Ecosystem of Bangladesh (ID: 077)	Rahmana, M.S, Saifullahb, M., Rahmanc, J., Jewel. K.N.A., Yasmin, M. 2021. Performance of winter vegetables cultivation in mango fruit tree based agroforestry system, Tropical Agroecosystems, 2(2: 61-65).	Impact Factor: 0.61
21.		Rahman, M. S., Rahman, J., Saifullah, M., Jewel K.N.A., Yasmin. M. 2021. Exploring improved Agroforestry Practiced Farmer's Socio-Demographic Characteristics and their Livelihood in Selective Charland of Bangladesh. Social Values and Society, 3(2): 54-57.	Impact Factor: 0.33
22.	Improvement of Farm Productivity through Intervention with Improved Agricultural Technologies in Char land Eco-System (ID: 096)	Khan, M. A. H; N. N. Aktar; N. Sultana; S. Akhter and M. F. Hossain. 2019. Baseline survey for farm productivity improvement through agricultural technologies in Charland of Mymensingh. Int. J. Bus. Manag. Soc. Res. 07(01): 395-411.	Impact Factor: 1.23
23.	Fortification and standardization of nutritional level in selected human foods and efficacy test of polyphenolic compounds in livestock products (ID: 099)	M.R.A. Redoy, A.A.S. Shuvo, L. Cheng and M. Al-Mamun (2020). Effect of herbal supplementation on growth, immunity, rumen histology, serum antioxidants and meat quality of sheep. Animal 14(11), 2433-2441. https://doi.org/10.1017/S1751731120001196	N/A
24.		M.A. Rahman, D. Ray, M.R.A. Redoy and M. Al-Mamun (2021). Dose titration of herbs mixture powder supplementation on laying performance and egg quality in commercial layer chicken. Livestock Research for Rural Development 33(1). http://www.lrrd.org/lrrd33/1/aliar3313.html .	Impact Factor: 0.497
25.		Habibul Bari Shozib., et al.2021. Formulation of Rice Based Low Cost Balanced, Nutritious and Safe Diet for the Malnourished Street Children in Capital City Dhaka. Acta Scientific Nutritional Health 5.7 : 97-106.	Impact Factor : 0.819
26.	Contamination and adulteration of food and food products, process, chain and mollification (ID: 103)	Chowdhury M.G.F., Khan. M.H.H; Sabuj. M.A. Alam. A and Molla. M.M. Baseline Survey on Existing Status of Fried Potato Chips from Processing to Marketing in Selected Locations of Bangladesh. Bangladesh J. Agril Res. 45(2). 137-144.	Impact Factor: .930
27.	Collection, Conservation and Characterization of Important Plant Genetic Resources (ID: 128)	Jahan, F., Rahim, M., Bokhtiar, S., & Samanta, A. (2020). Potentiality of Underutilized Crop <i>Dioscorea</i> spp.: A Source of Nutraceutical. 2019. SAARC J. Agric. 17(2): 113	N/A

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28.		Jahan, F., Rahim, M., Hossain, M., Rahman, M., Chowdhury, M., Moniruzzaman, M., & Samanta, A. (2020). Assessment of Quality Characteristics of Boiled Yam Tubers. 2020. SAARC J. Agric. 18(1): 173-182.	N/A
29.		Azam, MG; Uddin ,MS; Chowdhury, SMKH; Rashid, ASMH; Barua, H; Chhanda, RA; Rahman, S; Begum, SA; Shamsunnahar, M and Islam, MN. 2020. Variability studies of guava (<i>Psidiumguajava</i> L.) genotypes for growth, yield and quality attribute in Chattogram region of Bangladesh. Bangladesh Journal of Agricultural Science & Engineering Innovation,1(@):3-9, http://doi.org/10.5281/zenod.0.4131424	N/A
30.		Islam, MN; Ahmed, I.; Afroz, R.; Rahman, S.and Azad, AK. 2018. Morphological diversity in indigenous cucumber genotypes of Bangladesh. Global Journal of Science Frontier Research; D Agriculture and Veterinary. 18(8):10-18	N/A
31.	Integration of Postharvest Technologies and Best Practices in the Value Chains of Fruits and Vegetables (ID:-016)	Amin MN, Gulandaz MA, Sabuz AA, et al.2021. Use of non-chlorine sanitizer and low-cost packages enhancing microbial safety and quality of commercial cold-stored carrots. J Food Process Preserv. 45: e15065. https://doi.org/10.1111/jfpp.15065	Impact Factor: 1.405
32.	Development of Production Package for Export and Processing Potatoes to Sustain Productivity and Food Security in Bangladesh (ID:020)	Badrunnesa, A., Roy, T.S., Chakraborty, R., S. C. Sarker, Kundu, B.C. and Malek, M. 2021. Yield and grading of potato tuber for processing purpose as affected by vermicompost and potassium sources. Journal of Agriculture, Food and Environment.2(2): 57-61.	Impact Factor:0.34
33.		Ferdous, J., Roy, T. S., Chakraborty, R., Mostofa, M., Kundu, B. C. and Delowar, H. K. (2019). Vitamin C, Antioxidant and Polyphenol Activity of Some Selected Potato Varieties as Influenced by Vermicompost.2021. Journal of Experimental Agriculture International, 33(1): 1-9. https://www.journaljeai.com/index.php/JEAI/article/view/30133	NAAS Score (2021): 4.89
34.	Development of Integrated Crop Management Technologies for Higher Production of Coconut in Bangladesh (ID: 026)	Dutta, N. K., D. Sarker., K. Begum, M. A. Sarkar., M. I. Islam & M. M. Rahman. 2019. First record of the invasive rugose spiraling whitefly, <i>Aleurodicusrugioperculatus</i> Martin (Hemiptera: Aleyrodidae) in Bangladesh with its host range and status as coconut pest. Bangladesh	N/A

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		j. entomol. 29(2): 73-83.	
35.	Validation of Crop Intensification Technologies for Improving System Productivity, Soil Health and Farm Income in South Central Coastal Region (ID: 051)	M. Moksedur Rahman, MG Neugi,M. Earuque H. Mollah,AKM Salauddin, Md.Ruhul Amin and Abdul Hamid.2019. Socio-Economic and Biophysical Constraints of Dry Season Cropping in Tidal Floodplains of Bangladesh. Journal of Applied Agricultural Economics and Policy Analysis,Vol.2, No.1,40-46. http://pubs.sciepub.com/2/1/6 DOI:10.12691/jaaepa-2-1-6	N/A
36.	Sustainable Development of Indigenous fisheries in Baors of south-western Bangladesh through Multiple-Functions for Ensuring the Food Security (ID:154)	Rahman, M. A., Hossain, M. Y., Tanjin, S., Mawa, Z., Hasan, M. R., & Jasmine, S. 2021. Effects of COVID-19 pandemic on Baor(Oxbow lake)fisheries: Decreased economic livelihoods and food security. Lakes& Reservoirs: Research & Management, 26, e12374. https://doi.org/10.1111/lre.12374	Q3, SJR 0.30
37.	Stock Assessment of Commercially Important Fishes in the Bay of Bengal through Multi-model inferences and molecular markers: Management policy implications considering the emerging climate change (ID:156)	Sabbir, W., Hossain, M. Y., Rahman, M. A., Hasan, M. R., Mawa, Z., Tanjin, S., & Ohtomi, J. 2021. First report on reproductive features of the Hooghly croaker PannaheterolepisTrewavas, 1977 from the Bay of Bengal in relation to environmental factors. Environmental Science and Pollution Research 28(18), 23152 23159. https://doi.org/10.1007/s11356-020-12310-w	Impact factor 4.22
38.	Stock Assessment of Commercially Important Fishes in the Bay of Bengal through Multi-model inferences and molecular markers: Management policy implications considering the emerging climate change (ID:156)	Mawa, Z., Hossain, M. Y., Hasan, M. R., Tanjin, S., Rahman, M. A., Sarmin, M. S. & Habib, K. A. 2021. First record on size at sexual maturity and optimum catchable length of 10 marine fishes from the Bay of Bengal (Bangladesh) through multi-models approach: a key for sound fisheries management. Environmental Science and Pollution Research, 28, 38117-38127. https://doi.org/10.1007/s11356-021-13491-8	Impact factor 4.22
39.	Stock Assessment of Commercially Important Fishes in the Bay of Bengal through Multi-model inferences and molecular markers: Management policy implications considering the emerging climate change (ID:156)	Rahman, M. A., Hossain, M.Y., Hasan, M.R., Mawa, Z., Tanjin, S., Sarker, B.K. & Islam, M.A. 2021. Length weight relationships and form factor of 8 marine fishes from the Bay of Bengal. Thalassas: An International Journal of Marine Sciences. https://doi.org/10.1007/s41208-021-00312-5	Impact factor 0.62
40.	Stock Assessment of Commercially Important Fishes in the Bay of Bengal through Multi-model inferences and molecular markers: Management policy implications considering the	Rahman, M. A., Hossain, M. Y., Tanjin, S., Mawa, Z., Hasan, M. R. &Ohtomi J. 2021. Length weight relationship of 5 marine fishes from the Bay of Bengal. Journal of Applied Ichthyology, 37(02), 364-366. https://doi.org/10.1111/jai.14176	Impact factor 0.89

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	emerging climate change (ID:156)		
41.	Stock Assessment of Commercially Important Fishes in the Bay of Bengal through Multi-model inferences and molecular markers: Management policy implications considering the emerging climate change (ID:156)	Sabbir, W., Rahman, M. A., Hossain, M. Y., Hasan, M. R., Mawa, Z., Rahman, O., Tanjin, S. & Sarmin, M. S. 2021. Stock assessment of Hooghly Croaker Pannaheterolepis in the Bay of Bengal (Southern Bangladesh): implications for sustainable management. <i>Heliyon</i> 7, e07711. https://doi.org/10.1016/j.heliyon.2021.e07711	Q1, SJR 0.46
42.	Stock Assessment of Commercially Important Fishes in the Bay of Bengal through Multi-model inferences and molecular markers: Management policy implications considering the emerging climate change (ID:156)	Sabbir, W., Hossain, M.Y., Rahman, M. A., Rahman, M. A., Islam, M. A., Khan, M. N., Chowdhury, A. A., Hasan, M. R. & Mawa, Z. 2021. The Hooghly Croaker, Pannaheterolepis Trewavas, 1977: Identification through Morphometric and Meristic Characteristics. <i>Indian Journal of Geo-Marine Sciences</i> , 50(06), 502-506.	Impact factor 0.496
43.	Stock Assessment of Commercially Important Fishes in the Bay of Bengal through Multi-model inferences and molecular markers: Management policy implications considering the emerging climate change (ID:156)	Rahman, O., Hossain, M.Y., Rahman, M.A., Islam, M.A., Rahman, M.A., Parvin, M.F., Sarmin, M.S., Sarker, B.K., Sabbir, W. and Habib, K.A. 2021. Temporal variations of condition factor and relative weight for <i>Mystusgulio</i> (hamilton, 1822) from the coastal water in Bangladesh. <i>Journal of Bio-Science</i> , 29(1), 111-122. https://doi.org/10.3329/jbs.v29i0.54827	N/A
44.	Stock Assessment of Commercially Important Fishes in the Bay of Bengal through Multi-model inferences and molecular markers: Management policy implications considering the emerging climate change (ID:156)	Sabbir, W., Rima, F. A., Hossain, M.Y., Rahman, M. A., Tanjin, S., Hasan, M. R., Mawa, Z., Islam, M. A., & Khan, M. N. 2021. Estimation of Morphometric relationships for flatheadsillago, <i>Sillaginopsispanijus</i> (Hamilton, 1822) in the Bay of Bengal (Bangladesh) using multi-linear dimensions. <i>Indian Journal of Geo-Marine Sciences</i> , 50(03), 253-257.	Impact factor 0.496
45.	Stock Assessment of Commercially Important Fishes in the Bay of Bengal through Multi-model inferences and molecular markers: Management policy implications considering the emerging climate change (ID:156)	Tanjin, S., Sabbir, W., Hossain, M. Y., Rahman, M. A., Mawa, Z., Hasan, M. R., Rima, F. A., Rahman, O., Sarmin, M. S., Sarker B. K. & Habib, K. A.. 2021. Morphometric and Meristic Features of Gangetic hairfin anchovy, <i>Setipinnaphasa</i> (Hamilton, 1822) in the Bay of Bengal (Bangladesh). <i>Journal of King Abdulaziz University - Marine Sciences</i> , 30 (02), 71-83	Q4, SJR 0.11
46.	Stock Assessment of Commercially Important Fishes in the Bay of Bengal through Multi-model inferences and molecular markers: Management policy implications considering the emerging climate change (ID:156)	Sabbir, W., Hossain, M. Y., Rahman, M. A., Hasan, M. R., Mawa, Z., Tanjin, S., Hassan, H. U. & Ohtomi, J. (2020). First Report on Condition Factor of Pannaheterolepis (Trewavas, 1977) in the Bay of Bengal (Southwestern Bangladesh) in Relation to Eco-Climatic Factors. <i>Egyptian Journal of Aquatic Biology and Fisheries</i> , 24(2), 591-608. https://dx.doi.org/10.21608/ejabf.2020.87095	Q4, SJR 0.22
47.	Stock Assessment of Commercially Important Fishes in the Bay of Bengal	Sabbir, W., Hossain, M. Y., Mawa, Z., Hasan, M. R., Rahman, M. A., Islam, M. A., Tanjin, S., Rahman, M. A., Sarker, B. K. and Khan, M. N.	Q3, SJR 0.30

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	through Multi-model inferences and molecular markers: Management policy implications considering the emerging climate change (ID:156)	2020. New maximum size record, length-weight relationships and form factor of Hooghly Croaker <i>PannaheterolepisTrewavas</i> , 1977 from the Bay of Bengal (Bangladesh). Lakes & Reservoirs: Research & Management, 25(3), 346-349. https://doi.org/10.1111/lre.12333	
48.	Stock Assessment of Commercially Important Fishes in the Bay of Bengal through Multi-model inferences and molecular markers: Management policy implications considering the emerging climate change (ID:156)	Rahman, O., Hossain, M.Y., Islam, M.A., Rahman, M.A., Khatun, D., Parvin, M.F., Sarmin, M.S., Tanjin, S., Rahman, M.A., Mawa, Z. and Hasan, M.R.2020. Life-history traits of long whisker catfish <i>Mystusgulio</i> (Siluriformes: Bagridae) in the coastal water (Maloncho river) of southern Bangladesh. Pakistan Journal of Marine Science, 29(2), 99-114.	N/A
49.	Stock Assessment of Commercially Important Fishes in the Bay of Bengal through Multi-model inferences and molecular markers: Management policy implications considering the emerging climate change(ID:156)	Sabbir, W., Hossain, M. Y., Rahman, M. A., Hasan, M. R., Khan, M. N., Mawa, Z., Tanjin, S., Sarmin, M. S., Rahman, O., Nima, A. & Habib, K. A. (2020). Growth pattern of the Hooghly Croaker <i>PannaheterolepisTrewavas</i> , 1977 in the Bay of Bengal (Bangladesh) in relation to eco-climatic factors. Egyptian Journal of Aquatic Biology and Fisheries, 24(7-Special issue), 847-862. https://dx.doi.org/10.21608/ejabf.2020.132074	Q4, SJR 0.22