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In this issue

Research Article

Open Access Research Article PTZAID:ABSE-10-133

Effect of solutionizing heat treatment on the structure and mechanical properties of silicon bronze (Cu-10wt%Si-2wt%Ni)

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The effect of solutionizing temperature, soaking time, and quenching media on the structure and mechanical properties of silicon bronze (Cu-10wt%Si-2wt%Ni) has been examined. The samples were produced using the sand casting technique, machined to the required dimensions, and solutionized at temperatures of 700 oC, 800 oC, and 900 oC for 0.5, 1.5, 2.5, and 3.5 hrs and ...

Abstract View Full Article View DOI: 10.17352/abse.000033

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Construction and characterization of murine single-chain variable fragment (MuscFv) antibody against acrylamide in coffee

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Ingredients of food, especially sugar and starch at high-temperature cooking processes could lead to the formation of acrylamide (AA). This chemical is a harmful carcinogen, a neurotoxicant, a reproductive toxicant, and a carcinogen in animal species. However, the detection of acrylamide contamination in food goes unnoticed. In this work, the mouse monoclonal antibody ...

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The effect of pocket mask training on the self-efficacy and willingness to perform

artificial respiration in cardiac arrest patients: A randomized control trial

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Background: Out-of-hospital cardiac arrest due to hypoxia, it is necessary to provide adequate oxygen for correction of the cause. So, the purpose of this study was to compare the overall quality of CPR, willingness to perform ventilation using ventilation aids, and self-efficacy compared to the enlisted ventilation method (MMV) by educating the general public on pock ...

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