

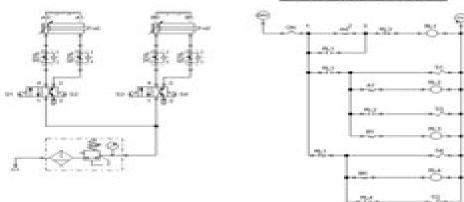
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Proceedings of the International Conference on Advanced Technology and Multidiscipline (ICATAM 2024)

Tahta Amrillah, Prihartini Widiyanti, Retno Sari, Purbandini Purbandini, Lilik Jamilatul Awalin, Rizki Putra Prastio, Muhammad Noor Fakhruzzaman, Ananta Adhi Wardana, Prastika Krisma Jiwanti, 2024-11-01 This is an open access book Technology has revolutionized our world and daily lives shaping a future that must harmonize with nature Through innovations in green energy low emission transportation and energy efficient housing technology holds the potential to significantly aid resource recovery and environmental preservation However we must always consider the societal impacts of technological advancements It is crucial to strive for a balance ensuring that our technological progress supports both humanity and the environment sustainably The Faculty of Advanced Technology and Multidiscipline at Universitas Airlangga is dedicated to leading the way in the formulation of engineering and advanced technology solutions. This year we are proud to host the 4th International Conference of Advanced Technology and Multidiscipline ICATAM This virtual scientific platform aims to unite academia researchers engineers government bodies non governmental organizations private sectors industries and consultants from around the world Our goal is to foster connections collaboration and discourse within a safe and physically distanced framework Workshop / Manufacturing Practices | AICTE Prescribed Textbook - English Veeranna D. Kenchakkanavar, 2021-11-01 The textbook on Workshop Manufacturing Practices is designed to cater the needs of young minds of 21 century The AICTE model curriculum and National Education Policy has driven a new wave in the technical education The textbook is designed not only to cater the need of the syllabus but also to look things in a different perspective The Workshop is the place where the core of learning about different materials equipment tools and techniques takes place Basically the workshop used to prepare the small components by hand tools Sometimes they may be parts of the large machines or may may be parts for replacement repairs In this text book an attempt has been made to connect the conventional tools usage to advanced machine tools usage The relevant practical examples are quoted to make the readers more comfortable with product and processes The blooms taxonomy is fallowed in construction of each chapters and exercises The objective and multiple questions with higher order thinking may help the readers to not only to face the semester end exam even they may help in competitive and other examinations Salient Features l Manufacturing Methods l CNC Machining Additive manufacturing l Fitting operations power tools l Electrical Electronic l Carpentry l Plastic mounding glass cutting l Metal casting l Welding arc welding gas welding brazing l Laboratory experiments and models l Appendices l IEEE/ASME International Conference on Advanced Intelligent Mechatronics Proceedings, 2001 References

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web may 11 2014 dna extraction of a wheat germ so our class did a dna extraction of a wheat germ from this lab i learned that putting warm water in to the wheat germ allows the fats in the membrane that surround the cells and the nucleus to soften the warm water will also denature enzymes that may damage the dna

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web mar 24 2020 in this session participants will use a simple procedure to extract dna from wheat germ what does dna look like is wheat dna structurally different than human dna join us to answer these questions and more in this session participants will learn about the structure of dna explore some important chemical principles

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web if you want to keep the dna for further experiments 13 dunk several time the spooled dna into a small tube containing clean alcohol and let air dry 14 at this point you can store the dna in sterile water in the freezer notes if you do not open the lid while the wheat germ is settling carbon dioxide will build up in the tube wheat germ wheat cell nucleus outreach - Jan 08 2023

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web from wheat germ protocol salk institute mobile lab step 1 obtain a numbered 50 ml conical vial with 10 ml of water write your number here step 2 to the tube with 10 ml water add 1g 1 pinch of raw wheat germ the wheat germ should settle to fill 1 2 the cone step 3 cap the tube and vigorously shake to mix for about 30 seconds

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web purpose the purpose of this lab is to extract dna from wheat germ iii hypothesis if you add wheat germ water soap and alcohol then the dna should appear iv materials 1 gram raw wheat germ 50 ml test tube 20 ml hot 50 60 deg c tap water frac14 teaspoon detergent soap paper towel 14 ml 91 alcohol v procedure 1