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The Inventions

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2019

Categories

Health

Title Of The Invention,

***Comparison The Effect Plant Extracts And Commercial Washes
Against Some Isolated Micro Organisms From Pregnant Women Of
After Trans Vaginal U\S***

Project Leader : **Angham Jabbar Alwan Al-Oqadiy**

& Sabreen Jabbar Alwan Al-Oqadiy

Country: Iraq University : Mosul University

Project : Essential & Short Description

Abstract

The Main Role Of This Study Is To Isolate And Diagnose The Main Pathogens Of Female Genital Tract Vaginal Infections In Pregnant Women 3 Rd Trimester Months, As Well As To Study The Inhibitory Effect Of Commercial Vaginal Washes And The Effect Of A Group Of Plant Extracts On These Bacteria To Evaluate The Possibility Of Using These Extracts As Alternatives To Commercial Or Other Treatments.

Thirty (30) Vaginal Samples High Vaginal Swab (Hvs) Were Collected From Pregnant Women With Different Ages After The Internal Sonar Trans Vaginal U\S To Women With Clinical Symptoms Associated With Vaginal And Cervical Infection. These Samples Were Tested To Achieve The Objectives Of This Study. The Results Of Isolation And Diagnosis Showed The Presence Of (17) Positive Samples (56.66%) Of Bacterial Culture Belonging To Staphylococcus Aureus Bacteria. Four Samples Of Staphylococcus Epidermidis (13.33%) While E. Coli Was Detected In Two Samples (6.66%). The Study Showed The Prevalence Of Candida Either Alone In (6) Samples (20%) Or In Combination With The Bacteria In (14)

Samples (46.66%) .

Evaluation Of Inhibitory Activity Of Commercial Vaginal Wash (Germex), A Significant Effect Was Found On The Studied Bacteria When Compared With A Number Of Water Extracts .The Water Extract Of Honey Had The Most Inhibitory Effect On The Bacteria Followed By The Extract Of The Apple –.

Categories

Pure Scientific Research

Title Of The Invention,

Antimutagenic Effectsof The Alcoholic Extracts Of Cyperus Rotandus Tuber And Salvia Officinalis Leaves In Aspergillus Amstelodami

Project Leader : **Jehaan Mowafaq Saeed Al-Rawi**

Country.: Iraq University Of Mosul

Project : Essential & Short Description –

Abstract

This Study Involved Testing The Antimutagenic Effect Of Three Concentrations Of The Alcoholic Extract Of Cyperusrotandustuber And Of Salvia Officinalisleaves. The Concentrations Were (800, 900 And 1000) (500, 700 And 900) Mg/MI Respectively In Conidia Of Fungusaspergillusamstelodami.The Antimutagenic Action Was Tested By Checking The Ability Of Both Extract To Reduce The Frequency Of Mutation Resistant Benomyl Induced By Nitrous Acid,In The Conidia Treated Withnitrous Acid For15, 30, 45 And 60 Minutes. The Combination Between The Mutagen And The Extract Were Tested By (Using Extract After Treating The Conidia With Mutagen E/N, Using Mutagen And Extract Together N+E). Alcoholic Extract Of Both Tuber Cyperusrotandus And Leaves Of Salvia Officinalisreduced The Mutagenicity Of Nitrous Acid But To Different Extents.

Categories

Education (Useful For Education)

Title Of The Invention

Detection Of Rhamnolipid Production In Pseudomonas Aeruginosa

Project Leader: **Sarab Al- Shamaa & Shababa Bahjat**

Country: Iraq

University: University Of Mosul

Project : Essential & Short Description –

Abstract

Large Variety Of Microorganisms Produce Potent Surface-Active Agents, Biosurfactants, Which Vary In Their Chemical Properties And Molecular Size. Rhamnolipids Are Naturally Occurring Glycolipids Produced By Pseudomonas Aeruginosa Species Of Bacteria. The Enormous Diversity Of Biosurfactants Makes Them An Interesting Group Of Materials For Application In Many Areas Such As Agriculture, Public Health, Food, Health Care, Waste Utilization, And Environmental Pollution Control Such As In Degradation Of Hydrocarbons Present In Soil. Their Ability To Reduce Surface Tension Is A Major Characteristic Of Surfactants, Which Is The Key Ingredient Used In Detergents, Shampoo, Toothpastes. Four Strains Of Pseudomonas Aeruginosa Obtained From Oil Contaminated Soil With Diesel, Kerosene Or Benzene Using Four Detection Methods: Blood Hemolysis, Oil Spreading Technique, Cetyl Trimethylammonium Bromide (Ctab) Agar Plate, And Emulsifying Activity. Ten Out Of Eleven Strains Tested Demonstrated Rhamnolipid Production In One Or More Of The Techniques Used And With Variable Amounts, With Pseudomonas Aeruginosa Strain D And T Displaying Positive And High Productivity In All Methods Used. A New Modification Of Oil Spread Technique Was Performed In The Present Study As This Method Was Found To Be The Most Efficient, Easiest, And Reliable Among The Others.

Categories –

Pure Scientific Research

Title Of The Invention

Synthesis Biological Studies Of Some New Heterocyclic Compound Derived From 2-Chloro-3-Formyl Quinoline And 4-(Benzyl Sulfonyl) Acetophenone

Project Leader: **Mohanad Y. Saleh**

Country:Iraq University: University Of Mosul.

Project : Essential & Short Description –

Abstract

A Some New Chalcones Derivatives Have Been Synthesized From Condensation Of 2-Chloro-3-Formyl Quinoline (1) With 4-(Benzothio) Acetophenone(2) And 4-(Benzyl Sulfonyl) Acetophenone(3). The Reaction Of Chalcones(4,5)With Bromine Give Dibromide(6,7). New Pyrazoline Derivatives Were Synthesized By Condensation Of Chalcones (4 Or 5) With Hydrazine Hydrate To Give (8,9) And With Hydrazine Hydrate In Acetic Acid(Gla) To Give (10,11) And With Phenyl Hydrazine To Give (12,13). The Prepared Chalcones (4,5) And Dibromide(6,7) And Pyrazoline Derivative (8-13)Have Been Screened For Anti-Microbil Activities A Against Two Gram Positive Such As Staphylococcus Aurous And Staphylococcus Epidermidis And Two Gram Negative Escherichia Coli And Proteus Vulgaris. The Structure Of Synthesized Compounds Were Confirmed By Spectral And Physical Method. All The Prepared Chalcones Compounds, Dibromide And Pyrazoline Derivatives Shown Significant Activities

Categories

Education (Useful For Education)

Title Of The Invention

Histological Effects Of Titanium Dioxide Nanoparticle Size 10 Nm In Mice Tests

Project Leader: **Imad Taher Abdulla**

Country: Iraq University: University Of Zakho

Project Essential & Short Description

Abstract

In the present study, the histological effect of titanium dioxide nanoparticles (TDN) on testicular tissue of mature *Mus musculus* mice was investigated. The animals were divided into six groups, control group treated with TDN free saline and five groups treated with TDN as follow 5, 10, 50, 100 and 150 mg/kg B.W. The results showed that TDN has histological effects on testicular tissue like sever congestion, mild edema between seminiferous tubules (STs) and decrease the thickness of germinal epithelium at low concentrations, While, the histological changes at high concentrations involved disturbance in STs diameters, sever edema between STs, sever vaculation in the germinal epithelium and necrosis in spermatogonia, germinal epithelium and Sertoli cells.

Categories

Education (Useful For Education)

Title Of The Invention

***Using Of Fluorogenic Medium For Identification Of Locally Isolated
C. Perfringens From Stool Samples Of Food Poisoning Patients In
Mosul/Iraq***

Project Leader: **Amera M. Al-Rawi** & **Alaa H. Al-Mola**

Country:Iraq University: University Of Mosul.

Project : Essential & Short Description –

Abstract

The Present Study Was Represented The First Study That Use A Fluorogenic Medium For A Rapid Identification Of Pathogens In Mousl City – Iraq. The Study Included The Use Of Fluorogenic Medium Fluorocult Tryptose Sulfite Cycloserine Agar (Tscf Agar) For A A Rapid And Credit Identification Of 39 C. Perfringens Stool Isolates. Tscf Agar Medium Was Prepared By Adding Fluorogenic Substrate To Tsc Base Agar Medium To Detect Acid Phosphatase Activity. The Medium Was Inoculated With The Isolates Under Study And Incubated Anaerobically In 37 C For 24 Hours, After Incubation The Plates Were Exposed To Uv Light For Detection Of The Fluorescence, The Result Showed A Fluorescent Dark Blue- Black Colonies Surrounded By Bright Light Blue Fluorescent Halo Belonging To C. Perfringens Which Indicated The Efficiency Of Fluorogenic Medium For Rapid Identification Of This Bacterium.

Categories

Education (Useful For Education)

Title Of The Invention

Epidemiological Study For Cryptosporidium Sp In Some Areas Of Dohuk Province/Iraq

Project Leader: **Sena Abdullah Al-Jarjary**

University: University Of Mosul.

Project : Essential & Short Description –

Abstract

This Study Included The Detection Of The Prevalence Of Cryptosporidiosis In Children In Some Areas Of Dohuk Province And Referred Children To Bardarash's, Khazer's Health Centers And In Adults Referred To Azadi Hospital In Different Ages Whose Suffer Gastroenteritis. Method Of Staining With Modified Zeil- Neelsen Stain Was Used To Detect Cryptosporidiosis And Using Malachite Green Oxalate And Methylene Blue As A Differential Stain.

Categories

Education (Useful For Education)

Title Of The Invention

The Effects Of Cumin Seeds Powder On Some Physiological And Reproductive Characters In Quail Male

Project Leader: **Muntaha Mahmoud Al-Kattan**

Country: Iraq University: University Of Mosul.

Project : Essential & Short Description –

Abstract

The Present Trail Was Conducted To Know The Effects Of Cumin Seeds Powder At Different Concentrates (250, 500, 1000, 2000) Mg/Kg Body Weight On Some Physicological And Reproductive Characters Of Quail Bird's Male. (Coturnix Coturnix).The Study Was Included (25) Male Of Quail Birds Their Age And Weight Were (60-75) Days, (161-180) G Respectively, The Experiment Randomly Divided Equally Into 5 Groups,5 Of Each Group,First Group Was Given A Standard Ration And Empty Capsules Dose, Considered The Control Group. Second Group Was Given A Standard Ration And Capsules Contains Cumin Seeds Powder At 250 Mg/Kg Bwt. Third Group Was Given A Standard Ration And Capsules Contains Cumin Seeds Powder At 500 Mg/Kg Bwt. Fourth Group Was Given A Standard Ration And Capsules Dose Contains Cumin Seeds Powder At 1000 Mg/Kg Bwt. Fifth Group Was Given A Standard Ration And Capsules Dose At 2000 Mg/Kg Bwt,This Treatment Was Daily Continue For 4 Week.)

Categories

Education (Useful For Education)

Title Of The Invention

The Effect Of Tio₂ Tio On Nanoparticle Amoeba Entamoeba Gingivalis

Project Leader: **Najah Sobhi Nayef**

Country: Iraq University: University Of Mosul.

Project : Essential & Short Description –

Abstract

The Results Of The Statistical Analysis Showed That The Increased Concentration And Time Of Exposure To Nanotube Dioxide Had A Positive Effect On Parasite Killing, Where The Highest Concentration 0.1 Mg / Ml Of Tio₂ Nps Had A Role In Inhibition Of Parasite Growth And Reduced Parasite Survival Rate Of 0.953 ± 3.60 , The Percentage Of Killing With This Concentration Was The Highest Of 88% And In The Period Of Time (6) Hours Compared To The Other Concentrations And Time Periods (2, 4) Hours, Which Showed Slight Differences Between Them.

Categories –

Pure Scientific Research

Title Of The Invention

Studying The Isolation And Diagnosis Of Pseudomonas Aeruginosa Virus Causing And Treating Burns With Extracts Of Pomegranate Flowers, Bananas, Honey And Honey

Project Leader: **Zahraa Abdul Moniem**

Country:Iraq

University: Al-Noorl University College.

Project : Essential & Short Description –

Introduction

Burns Are One Of The Most Common Forms Of Damage And Destruction (1), So The Skin Forms The Immune Barrier Of The Human Body. When A Defect Occurs In The Tissues, This Will Result In Wound Infection (Including Burns). Infection Is Defined As The Bacterial Invasion Of Tissue With Its Proliferation Causing Tissue Breakdown, Possibly Accompanied By The Host's Inflammatory Response (3). The Entry Of High-Density Microorganisms Into The Skin May Cause Skin Infection Or Infection Anywhere Else. Burns, Wounds, And Abrasions Are Among The Most Prone To Infection.

Categories –

Education (Useful For Education)

Title Of The Invention

Fpga Accelerator For Real-Time Speaker Identification Systems.

Project Leader: **Omran Al-Shamma1&Mohammed Abdulraheem Fadhel**

Country:Iraq

University: University Of Information Technology And Communications

Project : Essential & Short Description –

Abstract

In The Most Recent Years, Numerous Approaches Have Been Accomplished In The Discipline Of Human Voice Recognition For Building Speaker Identification Systems. This Work Presents The Most Robust And Most Popular Mel Frequency Cepstral Coefficients (Mfcc) Technique To Parameterize Voices. And To Be Used Later In The Voiced/Unvoiced Different Feature Extraction Process Methods. For The Purpose Of The Processing Time Consumption And To Speed Up The System Performance For Use In Real-Time Applications, A Field Programming Gate Array (Fpga) Is Utilized. Its Type Is Altera De2 Cyclone Ii.

Categories –

Education (Useful For Education)

Title Of The Invention

The Requirements Of Total Quality Management

In Iraqi Sports Clubs And Their Reflection

On Outstanding Performance

Project Leader: **Dr. Bilal Jasim Salih Al-Qaysi**

Country: Iraq University : Al Rasheed University College

Project : Essential & Short Description –

Abstract

The Purpose: This Research Has Sought To Spread The Culture Regarding Tqm Among Employees At All Levels Of Management In The Sports Clubs Operating In Iraq And The Duration Of Their Reflection On Creating Outstanding Performance, And To Explore Which Of The Variables Of Tqm Is More Influential Regarding Excellent Performance. The Aim Of The Study: Study Aimed At Identifying The Recent Trends In Total Quality Management And The Requirements For Applying Them In Sports Clubs In Order To Raise Their Performance Within The Sports Sector.

Categories –

Education (Useful For Education)

Title Of The Invention

Activation Word-Of-Mouth By Achieving Satisfaction Post-Recovery Service Systems An Empirical Study In Private Banks In Baghdad

Project Leader **Hafsa Atallah Hussein:**

Country:Iraq

University: : Middle Technical University

Project : Essential & Short Description –

Abstract

Service Reform Systems Have Received Considerable Attention From Academics And Practitioners In The Recent Past And Have Become An Important Subject Of Research In Marketing Services. Service Repair Systems Are A Response To The Service Provider For A Failed Or Flawed Service Experience. Service Failure Is A Particular Event That Occurs When Service Providers Fail To Deliver Promises To Their Customers. The Researchers Agree That Service Failure Is Unavoidable In Most Service Settings

Categories –

Education (Useful For Education)

Title Of The Invention

Method Of The Caliph In The Face Of Apostasy

Project Leader: **Abdul Jabbar Star Albayati**

Country: Iraq

University: : Al-Iraqia University

Project : Essential & Short Description –

Abstract

First: Introduction And Summary: The Wars Of Apostasy Are The First Revolution And Rebellion Against The Central Islamic Rule, Which Posed A Serious Threat To The Symbolism Of The Young Islamic State, It Was Before The Caliph Abu Bakr (May Allah Be Pleased With Him) Face And Assimilation 0 The Study Aims To Highlight The Methodology Friend (May Allah Be Pleased With Him)) In The Face Of The Apostates And The Impact Of Dialogues With The Parties To The Opposition, And How The Resolution Of The Most Serious Issues That The Nation Has Been Subjected To Through The Investigation Of Historical Events And Backgrounds And The Audit Of The Facts.

Categories – 1

Pure Scientific Research

Title Of The Invention

The Effect Of Changing Spot Welding Parameters On Mechanical Properties Of Nugget With The Addition Of Metallic Powder.

Project Leader: **Msc. Ahmed K. Muhammad**

Country: Iraq

University: Mustansiriyah University

Project : Essential & Short Description –

Abstract:

Spot Welding Process Is One Of The Most Widely Applied Processes In The Industry. This Is Due To The Ease Of The Process And It's A Quantitative Process. The Addition Of Metallic Powders To The Spot Welding Area Has Not Been Widely Emphasized As A Solution To Amelioration The Mechanical Characteristic Of The Welding Area Therefore The Effect Of Adding Two Types Of Metallic Powders, (Namely Nickel Powder And Titanium Powder), To The Spot Welding Area On Mechanical Properties Was Studied. This Effect Was Achieved At The Values Of Different Welding Currents And At Different Welding Times To Indicate The Impact Of These Factors On The Mechanical Properties Of The Welding Area.

Categories –

Pure Scientific Research

Title Of The Invention

Study The Effect Of Nano-Materials On Mechanical Properties Of Polymer Matrix Composite Materials

Project Leader: **Msc. Ibrahim Abdulwahhab Atiyah**

Country: Iraq

University: Mustansiriyah University

Project : Essential & Short Description –

Abstract

This Research Has Investigated The Influence Of Silica Nanofiller Type- And Compared That Effect With That Of Silica Micro Fillers-On Mechanical Properties Of Polyester , For This Purpose, Tensile and Hardness Tests Were Carried Out. Tensile Strength And Were Obtained And Evaluated. The Addition Of Nano Silica And Micro Silica Was In Different Percentage (1% , 3% And 5%).

Categories –

Pure Scientific Research

Title Of The Invention

Foam Polymer Reinforced By Hollow Particles As Modern Building Material

Project Leader: **Msc. Ismail Ibrahim Marhoon**

Country: Iraq

University: Mustansiriyah University

Project : Essential & Short Description –

Abstract:

The Preparation Of The Composite Of The Rigid Foam Polyurethane Was Done For The Applications Of The Thermal Insulation That Is Like The Sparing Of Foam That Is Interior In The Structures Of Building By The Addition Of The Hollow-Glass Microspheres (Hgm) Particles And The Weight Fraction Content Of The Hollow-Glass Microspheres Particles Are 4%, 8%, And 12% Wt. In Some Physical And Mechanical Characteristics Of The Foam Composites That Are Produced. The Optimum Results Found When Addition Are 12% Wt. Of Hgm.

Categories

Pure Scientific Research

Title Of The Invention

Investigate The Effect Of Ceramics Waste On The Properties Of Mortar Cement

Project Leader: **Msc. Mais A. Abdulkareem**

Country: Iraq

University: Mustansiriyah University

Project : Essential & Short Description –

Abstract:

This Research Has Studied The Effect Of Ceramics Waste On The Properties Of Cement, Has Been Used Mixing Ratio (1:3) And Has Been Added Ceramics Waste Ratio (10%, 20%, And 30%) Of The Replacement Of Cement, And Use Two Type Particles Of Ceramics Waste Replacement Of Cement. The Results Obtained From The Study That Compressive Strength Decreasing When Increasing The Percentage Of Additives Of Mortar .The Water Absorption Decreasing When The Percentage Of Additive Is Increased. The Density Increasing When Percentage Of Additive Increase In Mortar Cement. Also, The Setting Time Increases When The Percentage Of Additive Is Increase.

Categories –

Pure Scientific Research

Title Of The Invention

Using Polyethylene Glycol (Peg) To Reducing Cracks Of The White Portland Cement Mortar

Project Leader: **Msc. Mohammed Ali Abdulrehman**

Country: Iraq

University: Mustansiriyah University

Project : Essential & Short Description –

Abstract:

Two Types Of Water-Soluble Polymers (Peg) 400 And (Peg) 2000) Have Used In This Research. The Mixing Ratio Was 1:3 For (Cement:Sand) Of White Cement Mortar And Ratios Are (1%, 3%, And 5%) By Weight Of Mixture. The Test Results Show That Reducing Cracks Of White Cement Mortar. Also, The Optimum Percentages Of Polymer Addition Are 3% And 1% Of Peg 400 And Peg 2000, Respectively.

Categories

Pure Scientific Research

Title Of The Invention

Numerical Integration Under Certain Type Of Convexity

Project Leader: **Dr. Osama Yousif Mohammed Alabdali**

Country: Iraq

University: University Of Anbar

Project :

Abstract:

In This Paper, We Will Introduce A New Class Of Cubature Formulas For Numerical Integration (Or Multidimensional Quadrature), That Approximate From Above (Or From Below) The Exact Value Of The Integrals Of Every Function Having A Certain Type Of Convexity. We First State Two Characterization Results Of Any Linear Functional Which Is Nonnegative On The Set Of Convex Functions. We Define Two New Classes Of Cubature Formulas, Which We Call Them Strongly Positive, Respectively Negative, Definite Cubature Formulas. We Then Apply Our General Results To The Case When The Functional Is The Error Functional Of Our Cubature Formulas. We Show That, For Functions Belonging To $C^{1,1}$, The Error Estimates Based On Such Cubature Formulas May Always Controlled By Some Conditions. In Addition, Knowing Whether The Function To Be Integrate Satisfies Type Of Convexity, We Establish Sharp Upper As Well As Lower Refined Bounds For The Error Estimates. In Section 2, For Strongly P.D.C Formulas, We Establish Characterization Results Between Them And The Partition Of Unity Of The Integration Domain, But Also Show How We Can Construct Them Using Decomposition Method For Domain Integration. In Section 3, For Strongly N.D.C Formulas, We Characterize Them In Two Different Ways: The First One By Certain Partitions Of Unity And The Second One By A Class Of Positive Linear Operators. Finally, Sec-

tion 4 Will Provide Some Numerical Examples To Illustrate The Efficiency Of Our Cubature Formulas.

Categories – 1

Education (Useful For Education)

Title Of The Invention

Management And Computerization Of The Baccalaureate Exam In Iraq

Project Leader: **Dr. Essam Al-Husseini**

Country: Iraq

University: University Of Baghdad

Project : Essential & Short Description –

Abstract:

Introduction: In The Iraqi Education System (And All Countries) There Is A Central Exam At The End Of The 12th Grade Called "Baccalaureate" (Or High School). This Exam Determines The Student's Future. In Order For The Student To Pass This Exam Successfully, He Should Prepare And Study Well All The Subjects (Textbooks, Summaries, Questions Of Previous Years, Expected Questions, Private Tutoring, Etc.). The "Baccalaureate Application" Is A Smart Application That Combines All These Materials And Puts It On The Student's Mobile.

Categories –

Environment, Ecology, New Energies

Title Of The Invention,

Manufacturing Nanostructured Oxides By Chemical Spray Pyrolysis And Included In Mortars Material To Be Used For Construction Applications...

Project Leader : **Dr. Alaa A. Abudl-Hamead**

Country.: Iraq University : University Of Technology /Department Of Materials Engineering

Project :

Abstract

Essential & Short Description – Objectives The Aim Of This Patent Is To Preparation Of The Nanocrystalline Powders Through The The Spray Pyrolysis System And Then Preparation Of Mono And Di Metal Oxide Through The Degradation Of Their Mineral Salts And Then The Diagnosis Of These Ceramic Powders . Add These Powders To The Substance Of The Mortar At Different Rates Of Weight And Study The Effect Of These Additions On The Properties Of Synthetic, Mechanical And Physical .

Novelty 1.Preparation Of The System For The First Time In Iraq And Works With The Help Of A Compressor (Compressor) And Without The Need For Gas Cylinders Compressed.

2. The Possibility Of Taking Advantage Of Any Chemical Solutions Waste And The Production Of Nanoparticles.

3. It Can Be Concluded That The Thermal Spraying Process Supported By The Ultrasonic Wave Device Can Prepare Nanocides With A Wide Range

4. The Smallest Volume Collected For Titanium Dioxide For Copper Oxide Was 55.7 Nm And Copper Oxide Was 67.8 Nm.

5. The Use Of Salts Of Basic Minerals, Especially Sulfates, Was Useful, Fast, Efficient And Economical For The Production Of Nanoparticles.

6. Increase In The Density Of The Mortar And Reduce Its Thermal Conductivity, And The Softness Of The Granules To Be The [Ch] In General.

Benefits Do Not Need Vacuum Equipment Or Complex Techniques, Do Not Need Expensive Parts, Can Work With A Range Of Temperatures And All The Oxides, Do Not Adhere To A Specific Salt, But It Is Possible To Use Chlorides, Nitrate, Etc.

Disposal Of Residues Of Chemical Solutions And Waste.

Categories

Pure Scientific Research

Title Of The Invention,

Performance Analysis Of lot Technology: Beam Scan And Dsp Filters

Project Leader : **Mohammed Kadhim Shaybeth , Zahraa Jaafar**

Country: Iraq University : Al-Mansour University College

Project : Essential & Short Description –

Abstract:

Beam-Forming Technologies Is One Of The Most Promising Technologies In Communications, And Is The Cornerstone Of The Fifth Generation (5g) Superiority Over The Rest Of The Communications Generation. The 5g Is The Backbone Of Internet Of Things (IoT) If It Is Applied Entirely In Cities These Technologies Have Emerged With The Development Of Smart Antennas To Generate A New Revolution In Communications. Therefore, The Trend Of Researchers Is To Develop These Techniques And Reduce The Impact Of Noise On Them. We Are Working On Integrating Dsp Chips With Beam-Forming Technology, So The Chips Help The System To Directly Bypass Noise. We Proved By Simulating That Chips Have A Very Significant Importance In Maintaining Beam Characteristics That Change And Are Affected By Noise. Theoretically, And By Using The Simulation, We Determined The Beam Shape Without Any Noise, Then Repeated The Process After The Noise Was Directed And After The Noise Was Deleted By The Dsp Chips. Where We Chose Beam Scan Technology, It Is One Of The Beam Forming Technologies To Establish This Experiment. The Results Showed Clearly The Efficiency Of The Dsp Chip In Restoring The Shape And Size Of The Beam To Normal, Despite The Presence Of Noise Directly On The System. It Should Be Noted That Increasing The Size Of The Beam Means Waste Of Energy And Bandwidth, And The Narrower Beam The More Efficient And Faster Data Transmissi

Categories

q Health (Useful For Health)

Title Of The Invention,

Effect Of Bisoprolol Gel On Bone Healing

Project Leader: **Abeer Mansour Abdel Rasool**

Country.: Iraq University : Iraqi Ministry Of Health –Mosul Health

Project : Essential & Short Description –

Abstract:

Bisoprolol Fumarate (Bf) Is A Synthetic B₁-Selective (Cardio Selective) Adrenoreceptor-Blocking Agent. Bf Can Only Used In Treatment Of Cardiovascular Disease Such As (Hypertension And Myocardial Infarction). In This Patent Is First Experimental Study To Demonstrate The Local Effect Of Beta -1 Selective Blocker Bisoprolol Fumarate Gel 1% (Bfg1%) Used In Bone Healing (Experimental Study) Local Application Of Bfg1% Can Stimulate The Regeneration Of The Bone Defect Sites Beneficial Use In The Practice Of Dentistry And Good Effect After Removal Of Tumer

Categories –

q **Pure Scientific Research**

q **Health (Useful For Health**

Title Of The Invention,

Experimental Study Of Live Attenuated Measles Virus Vaccine As Antitumor Virotherapy In Vitro

Project Leader : ...**Rasha Fadhel Obaid**

Country.: Iraq University : Almustaqbal University Collage

Project : Essential & Short Description –

Abstract:

Cancer Is One Of The Leading Causes Of Death Worldwide, Despite The Considerable Progress Made By Researchers In The Diversity Of Cancer Treatment Methods, The Mortality Rate From Malignant Tumors Is Still Alarmingly High. So Discouraging Cancer Growth And Reducing Its Spread Is One Of The Major Challenges Facing Modern Medicine. Viral Therapy Is One Of The Most Promising Experimental Therapies For Cancer Which Detect Viruses That Can Kill Cancer Cells. The Detected Viruses Can Be Used As A Way To Treat Malignant Tumors, And This Is Done Through Replication Of The Virus Inside Malignant Tumor Cells. Therefore, This Study Is Conducted To Determine The Effectiveness Of The Measles Virus (Edmonston Strain) As Anti-Cancer Agent For Human Cancer Cell Lines, Including A549 Lung Cancer Cell Line. Live Attenuated Measles Virus Strain Induced Cytotoxic Effect Against Human Lung Cancer Cell Line (A549) By Induction Of apoptosis As An Important Mechanism Of Anti-Tumor Activity, In Addition, It Indicates A Correlation Between The Quantity Of Mv Genomes And Percentage Of Growth Inhibition. This Relation Has Proved That Measles Virus Had Anticancer Effect.

Categories – 1

Pure Scientific Research

Title Of The Invention,

Enchantment Phenolic Compounds Production In Callus Of Verbascum Thapsus L. Plant By Adding Amino Acids To The Medium

Project Leader : Duha Mysire Majeed

Country.: Iraq University : Al-Nahrain University

Project : Essential & Short Description –

Abstract:

Leaf Pieces Of Bear Ears, Verbascum Thapsus L. Were Sterilized And Cultured In Murashige And Skoog (Ms) Nutrition Medium In Addition To Benzyl Adenine (Ba) And 2,4-Dichlorophenoxyacetic Acid (2,4-D) With Concentration Of 0, 0.5, 1, 1.5 Mg/L For Each Of Them. After Six Weeks Of Incubation The Result Showed That The Highest Callus Production Was With Medium Containing 0.5 Mg/L Ba. Consequently, Ms Medium Supplemented With 0.5 Mg/L Ba And Addition Of The Following Amino Acids Separately: Proline, Glutamine, Tryptophan And Phenylalanine Were Used To Study Their Effects On Callus Growth And Increasing Of Phenolic Compounds. High Pressure Liquid Chromatography (Hplc) Was Used To Estimate The Quantity And Quality Of Phenols: Coumarin, Eugenol And Thymol In Callus And Plant Leaf Extracts And Compared With Standard Compounds. Result Demonstrated No Significant Effect Of Amino Acids On Callus Dry And Fresh Weight. While The Effect On Quantity Of Phenolic Compounds Was Pronounced In Compression With Their Concentration In Plant Leaves Extract And In Callus Extract Grow In Medium Without Add Amino Acids In Most Treatments. In Conclusion, Addition Of Amino Acids To The Medium Led To Increase In Most Of The Studied Phenolic Compounds In Callus Extracts.

Categories –

Education (Useful For Education)

Title Of The Invention

Tire Rubber Waste For Improving Soils Properties

Project Leader: **Lamyaa Najah**

Country: Iraq University: University Of Tikrit

Project : Essential & Short Description –

Abstract:

The Amount Of Rubber Tires Waste Is Increasing Continuously Every Year And Throwing It Has Become A Serious Problem Especially Recycling Rate For Plastic And Rubber Waste Is Low And Many Of Them Have Been Recovered. This Material Could Be Used In Geotechnical Applications To Reducing The Tire Disposal Problem And To Improve Strength And Deformation Characteristics Of Soils.

Categories –

Transportation (To Promote Transport Methods)

Title Of The Invention,

Novel Recipe To Develop The Performance Of Tire Tread By Adding Fine Ceramics Powder

Project Leader : **Mayyadah Shanan Abed**

Country.: Iraq University : University Of Technology-Iraq

Abstract:

Particulate Reinforced Elastomer Composite Was Prepared By Adding Reinforcing Fillers Al_2O_3 And SiO_2 Separately To The Two Separated Matrices; Natural Rubber (Nr) And Styrene Butadiene Rubber (Sbr), At Different Loading Levels. The Results Showed That The Mechanical Properties (Ultimate Tensile Strength, Elongation Percentage At Break, Modulus Of Elasticity, Compression Modulus, Hardness, Abrasion Wear Resistance) Except Resilience Increased With The Addition Of Both Types Of Reinforcing Fillers And With The Increase Of The Loading Level Of Them. Silica Fillers Increased These Properties More Than Alumina Fillers. The Results Indicate That The Natural Rubber Composite Has Better Mechanical Properties Than That Of Styrene Butadiene Rubber Except The Hardness And Abrasion Wear Resistance.

Objectives

The Aim Of This Patent Is To Improve The Recipe Properties Of Tire Tread By Adding The Reinforcing Fillers (Precipitated Silica And Alumina) Separately In Addition To The Carbon Black To Elastomers Styrene Butadiene Rubber Sbr And Natural Rubber Nr

Novelty

The Novelty Of This Patent Is Novel Receipt Of Tire Tread By Adding

The Reinforcing Fillers (Precipitated Silica And Alumina) For Performance Enhancement Purposes And Longer Life Cycle.

Benefits

Long Life Cycle Of Tire.

Performance Enhancement In Mechanical And Physical Characteristics Of Tire Tread.

Decreasing Materials Consumption

And Lower Environmental Impacts

Categories

Education (Useful For Education)

Title Of The Invention

Detection Of Uranium 238

Using The Polymer Cr-39 In Liquid Blood Samples

Project Leader: **Weam S. Al-Hamadany**

& Khalid H.Mahdi & Nada F.Tawfiq

Country:Iraq University: University Of Al-Muthanna

Project : Essential & Short Description –

1.Introduction / Abstract / Background:

Blood Was Usually Used To Detect Internal Radiation Pollution With Uranium238 (Depleted Uranium), The Classical Method For Estimation Was Dependent On Thermal Irradiation Of Blood Ash Sampled On Cr-39 Polymer And Counting Fission Fragments Under Microscope.

Catégories

Education

Title Of The Invention

Fonction Et Vision Dynamique Du Bilinguisme

Project Leader: **Ahlam Neamah Lafta Al –Saadi**

City: Baghdad Country: Iraq University: Al-Musatnsiriryah
Université

Project : Essential & Short Description –.

Abstract:

C'est Une Etude Descriptive S'intéresse Aux Interactions Et Aux Relations Entretenues Entre La Fonction Des Langues Etrangères Et La Vision Dynamique Du Bilinguisme. Notamment A Comprendre Dans Quelles Conditions, Implique L'efficacité D'acquisition ; Ensuite, A Supposer Qu'il Y A Effectivement Des Avantages D'apprendre D'autres Langues. Une Nouvelle Vision Procure Une Nouvelle Dynamique Définissant Les Modalités Des Contacts De Langues Et Des Cultures Que Le Bilinguisme Est L'une Des Conséquences De Ce Contact

Catégories

Pure /Education / Pure Scientific Research

Title Of The Invention

New Bio-Pesticide To Control Agricultural Insect Pest White Fly

Project Leader: **Ammar K.Jasman & Ali K.Slomy**

Country:Iraq

University: University Of Al-Qasim Green

* White Fly *Bemisia tabaci* is a dangerous insect pest that invades many plant families in outdoor and indoor agriculture in most countries over the world

* It causes plants yield big losses in addition to transport plant viruses among plant.

Catégories

Education

Title Of The Invention

Standardization Of Islamic Countries Is A Civilized Model Towards Unified Law

Project Leader: **Dr. Awan Abdullah Mahmoud Al – Faydi**

City: Baghdad
Baghdad

Country: Iraq

University: University Of

Project : Essential & Short Description –.

The Title Of The Idea: The Idea Of The Need For Codification Arose From Its Birth By Recording The Quran And Then Writing The Books Of The Sunnah In The Third Century Of Migration To The Journal Of The Judiciary Judgments Of The Ottoman Empire, It Is Not A Modern Phenomenon Born Of The Present Era, Whether Islamic Law Or Law, But Its Beginnings With The First Beginnings Of Societies The Oldest Of The Ages Was Known As The Collection Of The Rules Of Law, Especially In The Mesopotamian Civilization, As Reached At The Height Of The Romans By The Issuance Of The Law Of The Twelve Panels And The Collection Of Justinian Napoleon's Codifications, Especially The Civil Code Of France In 1804.

Catégories

Communication

Title Of The Invention

Accounting Information System Under Ready Software

Project Leader: **Rajaa Jasim Mohammed & Ruaa Ali Abed Alsada**

City: Baghdad Country:Iraq

University: Faculty: Business Administration Department

Project : Essential & Short Description –

Objective

Traditional Methods And Methods Of Accounting Are No Longer Able To Cope With Recent Changes And New Trends In The Field Of Information Technology. The Need For Adoption Of This Technology Has Become Urgent Because It Discusses A Vital Topic Related To The Concept Of The Application Of Software Applications And Their Importance In The Programming Of Accounting Information Systems And Electronic Data Processing As A Method Optimize The Change In The Function Of The Administrative Accountant And Promote The Development Of The Completion Of The Work In The Least Time And Effort In The Environment Of The Era Of Information Programming And Technological Progress

Catégories

Education

Title Of The Invention

Preparation Of Biological Glue From Placenta Amniotic Membranes For The Treatment Of Dog Bite Wounds

Project Leader: **Karima Aakoul Al Salhi**

Ali Ajil Abbas & Qassem Obaid Hussein

City: Baghdad Country:Iraq

University: University Of Al-Muthanna

Project : Essential & Short Description –.

Introduction

Currently, There Is A Rise In The Number Of Stray Dogs In Different Iraqi Governorates. Animal Bite Wounds Represent A Significant Global Human Health Issue 1. Moreover, There Is An Increase In The Range And Extent Of Dog Bites And Predation On Livestock Worldwide (R). In The Iraq, Animal Bites Are Causing Significant Morbidity And Even, In Rare Scenarios, Mortality 1,3.

Catégories

Education

Title Of The Invention

Design Of New Machine For Controlling Of Al-Nile Flower More Efficient And Less Pollutant To Environment When Controlling

Project Leader: **Falah Kamal Mohammed & Sanaa Salim Najim**

Country: Iraq University: Babulon

Project : Essential & Short Description –

Summary:

This machine depends on the capillary action and the gravity to transfer the herbicide to the plant and this is done by using loose and not interlaced cotton threads. The length of the cotton threads used is of (1m), the herbicide drops from the short threads while the longer ones do not provide the herbicide since their ends get dry. A plastic tube of (1.5 m) length is used and holes are made along it from the bottom. The diameter of one hole is (16 mm) and the distance between two holes is (10 cm) as shown in figure (1)

Catégories

Education

Title Of The Invention

Dialogue In The Modern Arabic Poem

Project Leader: **Siham Hassan Khader**

Country:Iraq

University: University Of Baghdad

Project : Essential & Short Description –.

As A Result Of The Requirements Of The Modern Era And The Developments That Took Place In The Structure Of The Arabic Poem, The Modern Arab Poet Is Looking At Things Away From His Excessive Singing And Making His Poem Speak In The Language And Voices Of Others Other Than The Voice And Personality Of The Poet. These Characters Make Them Speak About A Situation And Speak With Their Voices To Express The Crises Of The Age.

Catégories

Education

Title Of The Invention

Iraqi Child Protection Bill

Project Leader: **Dr. Bushra Salman Husain**

Country: Iraq University: University Of Baghdad

Project : Essential & Short Description –.

1. Abstract

The Aim Of This Law Is To Raise Children's Lives In Iraq With Their Special Characteristics To The Level Of Care And Preparation For A Free And Responsible Life In A Civil Society In Which The Values Of Justice, Equality And Tolerance Prevail . Democracy And The Protection Of Children's Rights To Survival, Development And Enjoyment Of A Free, Secure And Developed Life, And To Raise The Awareness Of The Society On The Rights Of The Child As Widely As Possible, Using All Appropriate Means. This Law Also Guarantees The Child's Right To Enjoy Various Social, Educational And Health Measures And Preventive Measures Aimed At Protecting Him From Violence Or All Damage.

Catégories

Education

Title Of The Invention

Production Naturally Fortified Honey With Ginger

Project Leader: **Dr.Sundus Hameed Ahmed**country:Iraq

University: University Of Baghdad

Project : Essential & Short Description –..

A New Technology Was Found For The First Time In Iraq To Produce Honey Naturally Fortified With The Active Ingredients Of Ginger Plant And It Was Discovered That This Technique Has Increased The Antioxidant Effectiveness Compared To The Control As It Was Found That The Honey Fortified With The Three Ginger Extract Is Highly Effective In Removing The Effect Toxicity Of Cadmium Chloride With Inhibitory Effect Of Male Hormones In Laboratory Rats. Honey Fortified

With Ginger Has Shown An

.

Categories

Education

Title Of The Invention

Smart Waste Container

Project Leader: **Dr.Mudhafar Dawood Salman**

City: Baghdad

Country:Iraq

University: Iraqi Inventors & Innovators Society

Project : Essential & Short Description –.

Introduction:-

Cleanliness Is The Primary Requirement Of Life As Life Cannot Be Or Will Continue Without Cleanness. The Requirements Of Health Or Public Health, Growth, Reproduction And Other Activities Of Living Organisms, Even The Aesthetic Of Streets, Buildings And Houses Cannot Be Anything But Clean. Every Beauty Loses Its Beauty When It Is Not Clean.

There Are Things And Applications That Encourage Hygiene And Lead People To Commit To It. When There Are No Places To Put Waste, The Streets Are Dirty, But When There Are Places And Containers To Put Or Throw The Waste, The Situation Is Different, And This Is What We Noticed In The Streets Of Cities And Even In The Homes.

Categories

Education

Title Of The Invention

Iraq's Smart Ball

Project Leader: **Dr.Mudhafar Dawood Salman**

City: Baghdad

Country:Iraq

University: Iraqi Inventors & Innovators Society

Project : Essential & Short Description –.

Introduction:-

Cleanliness Is The Primary Requirement Of Life As Life Cannot Be Or Will Continue Without Cleanness. The Requirements Of Health Or Public Health, Growth, Reproduction And Other Activities Of Living Organisms, Even The Aesthetic Of Streets, Buildings And Houses Cannot Be Anything But Clean. Every Beauty Loses Its Beauty When It Is Not Clean.

There Are Things And Applications That Encourage Hygiene And Lead People To Commit To It. When There Are No Places To Put Waste, The Streets Are Dirty, But When There Are Places And Containers To Put Or Throw The Waste, The Situation Is Different, And This Is What We Noticed In The Streets Of Cities And Even In The Homes.

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Categories

Education

Title Of The Invention

Studying The Isolation And Diagnosis Of Pseudomonas Aeruginosa Virus Causing And Treating Burns With Extracts Of Pomegranate Flowers, Bananas, Honey And Honey

Project Leader: **Zahraa Abdul Moniem**

City: Baghdad

Country: Iraq

University: Al-Noorl University College

Project : Essential & Short Description .

Plant Collection And Classification:

The Floral Parts Of The Plants Were Collected From One Of The Home Gardens In Al-Arabi District In Nineveh Province. Their Varieties Were Verified In The Department Of Life Sciences At The Faculty Of Education, Based On The Sources Of Plant Classification (17,56). The Plants Were Cleaned With Dust And Dirt. The Pomegranate Flowers And The Banana Blossom Were Dried In The Shade At Room Temperature With A Suitable Air Current. The Continuous Stirring Process Was Made To Prevent Rotting.

Collect Honey And Propolis:

Propolis And Honey Were Obtained From A Home Garden In Al-Arabi District Of Ninawa Governorate. Asar (Sinjar, Eucalyptus And Seder) Were Obtained From Local Markets.

Categories

Education

Title Of The Invention

Effect Teaching Design According Of The Multiple Intelligence Theory In The Achievement And Motivation With Students Of The Education College In Industrial Chemistry Subject And Development Of The Reasoninthinking

Project Leader: **Dr . Wasan Maher Jalil**

City: Baghdad

Country:Iraq

University: Baghdad

Project : Essential & Short Description – Not Longer Than This Field.

Abstract:

The Research Aims To Study The Effect Of Educational Design On The Theory Of Multiple Intelligences In The Achievement And Motivation Of The Students Of The Faculty Of Education Ibn Al-Haytham In The Field Of Industrial Chemistry And The Development Of Their Reasoning Reasoning. And By Adopting A Post-Test Empirical Approach To Collectivity, Motivation, Tribalism And Post-Traumatic Thinking. The Students Were Divided Into An Experimental Group (25 Students) Studied According To The Educational Design, And A Control Group (23 Students) Studied According To The Usual Method And The Parity Between The Two Groups In (Age, Previous Information,

Categories

Education

Title Of The Invention

Isolation And Identification Of Some Rhizosphere Bacteria Associated With The Roots Of Bean Lintel And Chickpea And In Vitro Solubilization Of Inorganic Phosphate By These Isolates (Psms)

Project Leader: **Shler Ali Khorsheed**

City: Baghdad

Country: Iraq

University: Kirkuk

Project : Essential & Short Description –.

Introduction:

Plant Growth Promoting Rhizobacteria (Pgpr) Mediate The Soil Processes Such As Decomposition, Nutrient Mobilization Mineralization, Solubilization, Nitrogen Fixation And Growth Hormone Production. Microorganisms Having The Phosphate Solubilizing Capacity Can Convert The Insoluble Phosphates Into Soluble Forms Through The Production Of Organic Acids. Inoculation Of Seed With P-Solubilizing Microorganisms Is A Promising Technique, Which May Alleviate The Deficiency Of Phosphorus.

Categories

Education

Title Of The Invention

The Impact Of Training The Self-Questioning Strategy Of The Teacher / Applied In Developing Their Thinking Methods And The Direction Of Their Students Towards Mathematics

Project Leader: **Rafah Aziz Karim**

City: Baghdad

Country:Iraq

University: Mustansiriya University

Project : Essential & Short Description –.

Introduction:

The Study Was Conducted In Iraq. The Study Aimed At Identifying The Effect Of Training The Self-Questioning Strategy Of The Teacher / Applied In The Development Of Their Thinking Methods And The Direction Of Their Students Towards Mathematics

The Study Sample Consisted Of 96 Teachers. The Experimental Group Consisted Of 35 Teachers. The Control Group Consisted Of (41) Teachers / Applied (769) Of The Total Number Of Students (Teacher / Applied) The Experimental Group Requested (415) Students While The Students Of The Control Group (354) Students.

Categories

Education

Title Of The Invention

The Impact Of The Use Of Educational Complexes In The Achievement And Development Of Critical Thinking In The Literature And Texts In The Fifth Grade Literary Students

Project Leader: **Saif Ismael Ibrahim**

City: Baghdad

Country: Iraq

University: University Of Al Mosul

Project : Essential & Short Description –

Abstract:

The Paper Aims At Investigating The Effect Of Using Instructional Modules In Achievement And Developing Critical Thinking Towards Literature And Texts For 5th Literary Students, To Achieve This, Two Hypotheses Have Been Given Which Went Through Experiment. The Study War Limited To The Students In The Center Of Mosul Governorate For The Academic Year 2006-207.

Categories

Education

Title Of The Invention

***Adquaty Of Kolb Model In The A Achievement Of Art Fifth Class
Students In Arabic Grammar Subject***

Project Leader: **Qays Dheyab Abed**

City: Baghdad

Country: Iraq

University: University Of Tikrit

Project : Essential & Short Description –

Introduction:

To Achieve The Objective Of The Research, The Researcher Put The Following Zero Hypothesis: (There Is No Statistically Significant Difference Between The Average Achievement Of The Students Of The Experimental Group Who Study Arabic Grammar According To The Colp Model And The Average Achievement Of The Students Of The Control Group Who Study The Arabic Grammar According To The Traditional Method At 0.05 Level The Researcher Chose The Fifth Grade Of Literature From Khaled Ibn Al-Walid Secondary School For Boys In Tikrit.

Categories

Education

Title Of The Invention

The Effect Of The Use Of The Second Phase In The Achievement Of Second Grade Students In Geography And Cognitive Development

Project Leader: **Lujayn Salem Alshakarjy**

City: Baghdad

Country: Iraq

University: University Of Al Mosul

Project : Essential & Short Description –.

Abstract

The Current Study Aims At Expounding The Use Of Brainstorming On Academic Attainments And Deduction Thinking Of Second Grade Female Students In The Subject Of Geography.

The Study Period Extended From October 1st 2006 To December 10th 2006 During The Study Year 2006-2007. The Qadisyia Intermediate School Was Deliberately Selected Among Intermediate Schools And High Schools In The City Mosul. The Class Divisions Were Randomly Selected In Which Class (C) Consisted Of (30) Female Students Representing The Experimental Group And Class (B) Consisted Of (31) Female Students Representing The Control Group.

Categories

Education

Title Of The Invention

***Learning Styles According To The Model Of Felder & Silverman And
Its Relationship With Mathematical***

Project Leader: **Dr. Lina Fouad Jawad**

City: Baghdad

Country: Iraq

University: University Of Baghdad

Project : Essential & Short Description –.

Abstract

This Research Aims To Know The Learning Styles According To The Model Of Felder And Silverman And Its Relationship To Effectively Self-Perceived Mathematical among Students Of The Faculty Of Education Pure Sciences - Ibn Al-Haytham. By Answering The Following Questions: 1. What Are The Preferred Methods Of Learning Among Students In The Mathematics Department According To The Model Felder And Silverman? 2. What Is The Mathematical self-Perceived Level Of The Students At The Department Of Mathematics Effectiveness Level.

Categories

Basic Physics

Title Of The Invention

Future Vision For The Development Of Educational Laboratories In The Light Of Educational Techniques And Changing The Content Of Physics For The Secondary Stage Between Reality And Ambition

Project Leader: **Mohib Al Deen Mhmood**

City: Baghdad

Country: Iraq

Univer-

sity: University Of Al Mosul

Project : Essential & Short Description –.

Abstract

The Researcher Started His Problem With The Changes In The Objectives Of Teaching Physics And Its Contents At The University And Secondary Levels, While The Educational Laboratories Are Still The Same. The Aim Of The Research Is To Identify The Future Vision Of Physics Teaching About The Development Of Educational Laboratories In The Light Of Educational Techniques And Change The Content Of Physics In The Secondary Stage.

Categories

Education

Title Of The Invention

The Effect Of The Electronic Educational Means In Memorizing The Holy Qur'an (Short Fence) In Kindergarten

Project Leader: **Marwan Hakam Tawfeeq**

City: Baghdad
University: University Of Tikrit

Country: Iraq

Univer-

Project : Essential & Short Description –.

Introduction:

The Purpose Of The Present Research Is To Find Out The Effect Of The Electronic Learning Method In Memorizing The Holy Quran (Short Fence) In Kindergartens. To Achieve The Goal Of The Research, The Researcher Chose The Tikrit Kindergarten For Children Intentionally From Kindergartens Belonging To The General Directorate Of Salahaddin Governorate. And The Officer) The Preliminary Grade For The Academic Year 2016 - 2017. The Researcher Used The Teaching Of The Material Of The Subject. The Researcher Prepared An Oral Test In The Surat (6) Short Wall Of The Quran For Conservation Through The Educational Method Named By The Ke Manufactured By (The Koran Teacher .

Categories

Education

Title Of The Invention

***The Mathematical Proficiency Of The Students Of The Mathematics
Department In The Faculties Of Education***

Project Leader: **Noor M. Jasim & Ilham J. Faris**

City: Baghdad

Country: Iraq

University: University Of Baghdad

Project : Essential & Short Description –.

Abstract

To Achieve The Objective Of The Research To Identify The Mathematical Proficiency Of The Students Of The Department Of Mathematics In The Faculties Of Education, A Test Was Constructed Measuring Cognitive Mathematical Proficiency (Conceptual Understanding, Procedural Fluency, Strategic Efficiency, Adaptive Reasoning) Of (37) Paragraphs. Its Numerical Characteristics Were Determined By Constructing A Measure Of The Fifth Component Of The Inclination Produced And It Is From (22) Paragraphs In Two Dimensions (Understanding The Value And Nature Of Mathematics As Realistic And Useful, And Believing In Individual Competence And Diligence.

Categories

Education

Title Of The Invention

A Stylistic Analysis Of Complex In William Faulkner's

Project Leader: **Dr. Israa' Burhanuddin Abdurrahman**

City: Baghdad

Country: Iraq

University: Tikrit University

Project : Essential & Short Description –.

Abstract

Applying A Stylistic Analysis On Certain Texts Refers To The Identification Of Patterns Of Usage In Writing. However, Such An Analysis Is Not Restricted Just To The Description Of The Formal Characteristics Of Texts, But It Also Tries To Elucidate Their Functional Importance For The Interpretation Of The Text. This Paper Highlights Complexity As A Hallmark Of A Stylistic Analysis In "A Rose For Emily",

Categories

Education

Title Of The Invention

***Byzantium And The Arabs Between The Problematic Religion And
The Importance Of The Eastern Border***

Project Leader: **Edham Hassan Farhan** **Rana Ghanem Hammed**

City: Baghdad

Country: Iraq

University: Tikrit

Project : Essential & Short Description –

Introduction:

This Study Is Important In That It Attempts To Shed More Light On The Nature Of The Relations Between The Byzantines And The Arabs Before Islam For The Period (518-565 Ad) In Which Byzantine Emperors Worked To Win The Arabs In The Land Of Assam, Especially The Ghassanites Who Converted To Christianity On The Manofist The Doctrine Of One Nature) To Protect The Eastern Borders Of The Byzantine Empire From The Expansion Of Sassanian Persian.

Categories

Education

Title Of The Invention

The Mathematical Strength Of Mathematics Teachers And Their Relation To The Mental Mathematics Of Their Students

Project Leader: **Basim M.Jasim** **Hamdi Hasan Azzat**

City: Baghdad

Country:Iraq

University: Baghdad

Project : Essential & Short Description –.

Abstract:

The Current Research Aims To Identify The Level Of Mathematical Strength Of Mathematics Teachers And Their Relation To The Mental Mathematics Of Their Students, And The Following Questions Arise:

1. What Is The Level Of Mathematical Strength Of Math Teachers?
2. What Is The Level Of Mental Math For Math Students?

Introduction: In Order To Achieve The Objectives Of The Research And Its Hypotheses, Two Tests Are Required: The First For Mathematical Strength And The Second For Mental Mathematics, Where The Mathematical Strength Test Is 40 Verbs And The Mental Math Test Of The (30) Substantive Paragraph, And The Paragraphs Of The Tests Were Characterized By The Statistically.

Categories

Pure Scientific Research /Robotics

Title Of The Invention,

Design Secured Smart Door Lock Based On Jaro Winkler Algorithm

Project Leader : **Sura Mahmood Abdullah**

Project : Essential & Short Description –.

The Security Nowadays Considered A Significant Topic Specifically In Design Smart Home. This Paper Is Dedicated To An Authentication Problem In Design Smart Door Lock Authentication Using String Matching Technique Based On Password String.

This Work Contains Two Main Parts, Android Application (Remote Control) And A Control Circuit Using Arduino Uno, Plus The Communication Medium Based On Bluetooth Technology Which Is Used To Send And Receive Information And Commands In This Work.

The Main Purpose Of Design Smart Door Lock, Using Jaro Winkler Algorithm Is To Compare The Registered Password Security With Each Entered Password Which May Contain Some Wrong Or Swapped Characters. The Results Show More Strength Authentication For Access In Real-Time.

Categories

q Pure Scientific Research/ Industry

Title Of The Invention,

A Novel Adp-Ribosyl Cyclase (Arc) Activators

Project Leader : ...**Dr. Zainab Nejim Al-Abady**

Project : Essential & Short Description –

The Aim Of The Present Study Was To Evaluate The Effect Of Pyridine Analogues As A Novel Regulators Of Adp-Ribosyl Cyclase Activity In Vitro. This Study Proposed Four Novel Regulators Of Pyridine Analogues Such As Nicotinamide, Nicotinic Acid, Gallic Acid And Benzamide On The Cyclase Activity Of Arc.

It Is Suggested Here That The Research For Cd38 Activators Might Provide Further Information To Regulate Cd38 Expression In Important Disease Case (With High Cd38 Expression), Such As In Chronic Lymphocyte Leukemia In Which Activate Cd38 Expression Expected To Have Protective Role By Decreasing Nad Levels And Might Decrease The Survival Rate For The Cancer Cells. Moreover, Regulating Cd38 Activity Might Provide A Protective Effect In The Diabetic Patients And That Is Mediated By Regulating Its Metabolites.

Categories Communication

Title Of The Invention

The Contribution Of Hydrogen Peroxide To The Radiosensitizing Effect Of Gold

Nanoparticles

Project Leader: **Talat Tariq Khalil**

City: Baghdad

Country: Iraq

University: Babylon University

Project : Essential & Short Description –

Lasmid Dna In Aerated Aqueous Solution Is Used As A Probe To Determine Whose Of The Reactive Oxygen Species (Ros) Generated After Absorption Of Ultra-Soft X-Rays (Usx) Take Part In Biomolecule Damage In The Presence And In Absence Of Gold Nano- Particles (Gnp) And Specific Scavengers . Due To Both Negatively Charged Environments Of Dna And Gnp, At Identical Scavenging Capacity, Tris Is More Effective At Quenching $\cdot\text{OH}$ Than Dmso. The Strong Radiosensitizing Effect Of Hydroxyl Radicals Is Confirmed.

Categories

Education

Title Of The Invention

The Use Of Heds To Express Politeness In Whatsapp Group Discussions Between Arab And Malaysian

Project Leader: **Anfal Sabeeh Hamood**

City: Baghdad

Country:Iraq

University: Baghdad University

Project : Essential & Short Description –.

Introduction

Communicating Appropriately In The Target Language (English Language) Requires Both Esl Malaysian Learners And Their Counterparts Arab Efl Learners To Develop Linguistic And Pragmatic Awareness. One Aspect Of Such Development Is The Use Of Linguistic Hedges Which Are Used To Modify Their Speech Acts And Realize Politeness. However, Little Attention Has Been Given To Investigate These Learners Linguistic And Pragmatic Use Of These Devices.

Categories

Pure Scientific Research/ Electric

Title Of The Invention

Irritable Vegetable Tar To Produce Treatment For Corticosteroids

Project Leader: **Mohammed Abdulhussein A. & Majida Khaleel Ahmed**

City: Baghdad

Country: Iraq

University: University Of Technology,

Project : Essential & Short Description –.

Subject

There Are Many Types Of Tar, Which Is Extracted From Coal Used To Reduce The Symptoms Of Psoriasis And Has A Pungent Odor But Causes Irritation And Sensitivity To The Skin And Its Price Is High And Causes Complications For Pregnant Women And Oil-Extracted Tar, Which Contains Many Metals And Organic Compounds, Including Extracted From Plants And Consists Of Vegetable Tar Compounds Carbon Is Complex In Addition To Aromatic Oils And Is Less Than The Rest Of The Tar Types Damage To The Skin And Does Not Contain Minerals, As With Coal Tar And Oil Extracted Tar.

Categories

Pure Scientific Research/ Applied Chemistry

Title Of The Invention

Evaluation Of New Green Inhibitors Against Corrosion For Steel Alloys In The Acidic Environments

Project Leader: **Khalid Hamid Rashid Abdul-Khalik**

City: Baghdad

Country: Iraq

University: : University Of Technology

Categories

Health

Title Of The Invention

Psychological And Biological Effects Of Stress On Human Immune System

Project Leader: **Dr.Rafid Hadi Hameed**

City: Baghdad

Country:Iraq

University: Baghdad University

Project : Essential & Short Description –

Stress Is A Broad Concept That Comprises Challenging To Such Circumstances (Stress Responses). In Humans One Of The Systems That Respond To Challenging Circumstances Is The Immune System. Broadly, The Immune System Comprises Cells, Proteins, Organs, And Tissues That Work Together To Provide Protection Against Bodily Disease And Damage.

Categories

Basic Physics

Title Of The Invention

Asphalt Mix Component And Their Effect On Asphalt Performance

Project Leader: **Dr.Nezar Hassan Mohammed**

City: Baghdad

Country:Iraq

University: Lecture – Tech.Inst. Of Amara

Project : Essential & Short Description –.

Abstract:

In This Study, We Took Asphalt Samples From Various Laboratories In Maysan Governorate. Physiological And Chemical Tests Were Conducted. As A Result, The Asphalt Ratio Increased. The Marshall Stability Increased. The Percentage Of The Spaces Decreased And The Mixing Density Increased. Classified In The Laboratory And The Achievement Of Some Mechanical Defects That On The Quality And Manufacture Of Parts And Thus The Designer Can Choose The Required Values For The Mixture, Which Represents Asphalt Mix.

Categories **Basic Physics**

Title Of The Invention

***Strong Convergence Of Iteration Processes For Infinite Family Of
General Extended Mapping***

Project Leader: **Zena Hussein Maibed**

City: Baghdad

Country: Iraq

University: Baghdad

Project : Essential & Short Description

Introduction

Let B be a set, We Say That, f is a mapping from B to B if

For Each $x \in B$. On The Other Hand, Any Multivalued Mapping B Is Called F If:

And It Is Called Monotone If For All $x, y \in B$ And For All $u \in F(x)$ And $v \in F(y)$ Then We Get $u \leq v$. The F Play Important Role In F Theory. The Convergence Of The F Are Studied By Many Researchers

Categories

Electronic

Title Of The Invention

Relaxor Phenomena For A Lead Free Material Bst As Environmentally Friendly And Pz

Project Leader: **Rawa A. Helal**

City: Baghdad

Country: Iraq

University: University Of Technology,

Project : Essential & Short Description –.

Introduction

Lead Based Perovskites Have Been Extensively Studied For Their Excellent Dielectric And Piezoelectric Properties, In This Investigation Pzt Ceramics Had Been Studied Because Of It Characterized By High Electromechanical Coupling ,The Previous Publications Concerning The Investigation Of Physical Properties Of Pzt Perovskite Point Out A Possibility Of Its Applications In Actuators, Capacitors, Small Sized Devices, And Multilayer Ceramic Capacitors ,It Also Possess High Curie Temperature And Have High Hysteretic Characteristics.

Categories

Electronic

Title Of The Invention

A Suit Simulates The Human Body

Project Leader: **Mohammed Abdulhussein A. & Majida Khaleel Ahmed**

City: Baghdad

Country: Iraq

University: University Of Technology,

Project : Essential & Short Description –.

The Idea:

The Design Of A Moving Structure That Simulates The Movement Of The Human Structure And Has Similar Joints Has Been Reached With An Antenna Operator That Simulates The Functioning Of The Muscular System. And The Possibility Of Making This System Wearable And Compatible Movement Movement Of The Person Who Wears And Be Supported By A Simple And Non-Complex Software System Made Up Of Pressure Sensors And Plc For Each Part Of The Structure.

Categories

Basic Chemistry

Title Of The Invention

Beneficiation Pretreatment And Chemical Activation Method For Preparation And Characterization Of Nano Structure Bentonite

Project Leader: **Dr. Adel Sharif Hamadi**

City: Baghdad

Country: Iraq

University: University Of Technology,

Project : Essential & Short Description –.

Introduction:

Bentonite Has Widely Been Employed In Many Industrial Applications Due To Their Physicochemical Properties And Availability At Low Cost. The Aim Of This Work Was Conducted To Submit The Iraqi Natural Bentonite Clay To Beneficiation Pretreatment And Chemical Acidification Using 60% Sulfuric Acid Under Mechanical Agitation For 2 Hours At Atmospheric Temperature And Pressure Condition. The Resulting Bentonite Was Washed Several Times With Distilled Water And Modified With Ethanol Under Ultrasonic Mixing. An Experimental Study Was Conducted To Study The Chemical Composition, Grain Size, Structural Characterization And Morphology Of Nano Particle Bentonite Obtained Using Techniques Of Afm Microscopy,

Categories

Pure Scientific Research

Title Of The Invention

The Significant Of Polymorphisms In Tumor Necrosis Factor-Alpha (Tnf-A) Gene Promoter In Lung Cancer

Project Leader: **Omar Tareq Zaidan**

City: Baghdad

Country: Iraq

University: : Al-Rasheed University

Project : Essential & Short Description –.

Subject

There Are Many Types Of Tar, Which Is Extracted From Coal Used To Reduce The Symptoms Of Psoriasis And Has A Pungent Odor But Causes Irritation And Sensitivity To The Skin And Its Price Is High And Causes Complications For Pregnant Women And Oil-Extracted Tar, Which Contains Many Metals And Organic Compounds, Including Extracted From Plants And Consists Of Vegetable Tar Compounds Carbon Is Complex In Addition To Aromatic Oils And Is Less Than The Rest Of The Tar Types Damage To The Skin And Does Not Contain Minerals, As With Coal Tar And Oil Extracted Tar.

Categories

Health

Title Of The Invention

Iraqi Drug Handbook

Project Leader: **Zaid Ihsan Ibrahim Al-Attar**

Country: Iraq

University: : University Of Baghdad

Project : Essential & Short Description –.

Introduction And Summary:

The Students Of Medical Schools In Iraq And Their New Graduates Are Facing A Problem That Is Represented In The Lack Of Wide Knowledge Of Brand Drug Names. Their Study Focuses On Generic Or Scientific Drug Names And Rarely Brand Names Are Mentioned Because Brand Names Differ From Country To Another While The Generic Names Are Approved Worldwide. However, After Graduation They Should Deal With Brand Names As They Are The Mostly Used In Iraq.

Categories

Communication

Title Of The Invention

Building An Internet Of Things Secure For A System To Follow And Monitoring Patients' Cases

Project Leader: **Dr. Shatha Habeeb Jafer Al-Khalisy & Hayder Mahmood Salman**

City: Baghdad

Country:Iraq

University: : University Of Technology

Project : Essential & Short Description –.

Over The Past Decade, The Internet Of Things (IOT) Technologies Has Been Applied Much More Widely In Both Institutional Manufacturing And People's Daily Lives. With The Increasing Number Of IOT Devices, Devices (Such As Sensors, Engines, Integrated Devices, And Rfid) Are Connected To The World Wide Web (WWW), The Web Of Things (WOT), Which Provides Us With A New Platform To Manage And Integrate Smart Objects More Easily With More Flexible Coupling And Better Dilation.

Categories

Pure Scientific Research

Title Of The Invention

Achieving Parallel Benefits Through The Use Of The Enhanced Incentive System And Electronic Programs

Project Leader: **Hilmi Hamzah Abbas**

City: Baghdad

Country: Iraq

University: : Alrasheed

Project : Essential & Short Description –

Abstract:

The Aim Of The Research Is To Use A Proposed Method Of Stimulation, Which Is Supported By The State To Contribute To Reducing Traffic Violations, Especially Those That Exploit The Absence Of The Traffic Authority, With Higher Efficiency, Lower Cost, Maximize State Resources And Additional Income For The Traffic Man Or The Unemployed Citizen For Work, And For Public Benefit. Using Electronic Programs And Applications Designed For This Purpose.

Categories

Electronic

Title Of The Invention

***Abundance And Diversity Of Soil Yeast In Hot Climatic Region
(Semi-Arid Ecosystem, Baghdad, Iraq)***

Project Leader: **Mohammed Khalid Hussein**

City: Baghdad

Country: Iraq

University: Middle Technical University

Project : Essential & Short Description –.

Abstract:

Middle East, Which Suffers From Severe Environmental And Climatic Conditions, Has Led To The Deterioration Of Many Ecosystems. This Is The First Study To Assess The Effect Of These Conditions On The Abundance And Diversity Of Soil Yeasts In Hot Climatic Regions.

Categories

Communication

Title Of The Invention

The Business Impact And Future Of Drones On Big Organisations

Project Leader: **Sura Mazin Ali & Amjed Abbas Ahmed**

City: Baghdad

Country: Iraq

University: Almustansiriyah University

Project : Essential & Short Description –.

Introduction

Drones Have Become Popular Over The Years As Many Organisations Are Beginning To Adopt The Technology. It Has Also Impacted And Shaped A Lot Of Businesses In Terms Of Operations And Execution. It Has Also Created Numerous New Opportunities Which Has Resulted In New Jobs As Well As New Specialties

Categories

Education

Title Of The Invention

Evaluation Of Work Alienation, Job Satisfaction, Constituent Justice, Work Rotation Of Professors Of Non-Governmental Colleges

Project Leader: **Ayad Khalid Mahdi & Bilal Kamil Oudah**

City: Baghdad

Country: Iraq

University: University Of Mosul.

Project : Essential & Short Description –

Abstract:

Purpose This Research Aims At Presenting The View Based On Expatriate Career Among The Professors Of Civil Colleges And Its Reflection On Outstanding Performance, And Exploring The Effect Of Job Satisfaction, Organizational Justice, Job Security On Outstanding Performance.

This Study Aims To Assess The Status Of University Professors And Assess Their Satisfaction With The Environment In Which They Work. Design / Methodology / Approach The Descriptive Approach Was Used. The Questionnaire Was Used To Collect Data In Order To Develop A Reliable And Correct Measurement Model For The Search Variables. The Hypotheses Were Tested Using Some Statistical Treatments.

Categories

Pure Scientific Research

Title Of The Invention

A Theoretical Implementation For Greedy Summation And Its Relation With Dirichlet Series

Project Leader: **Ansam Ghazi Nsaif Albu_Amer**

Abstract:

In The Present Paper, A New Alternative Approach Of Greedy Summation Approach Of Unordered Numbers And Arrays. A Theoretical Background Regarding The Numbers And Arrays And Their Importance In The Field Of Functional Analysis, Then The Alternative Approach For The Greedy Summation Based On Absolute Values Is Presented. Some Theoretical Proofs Regarding The Relation Between Theoretical Greedy Summation And The Dirichlet Series Is Presented In Brief Details. At The End Of The Present Paper, Some Important Conclusions Are Listed Due To Their Importance And Their Effect For The Upcoming Research Works.

Categories

Mobility

Title Of The Invention,

Improvment Of Cluster Routing Protocol For Manet

Project Leader: **Dr. Osaamah Ibrahim**

Project : Essential & Short Description –.

Mobile Ad Hoc Network (Manet)It Is A Network In Which Data Are Transmitted From The Sender To The Receiver Without The Need For Any Infrastructure. In This Network, The Connected Nodes May Be In The Form Of Laptops, Mobile Phones, Pdas, And So On, And Any Node Can Work As A Router That Receives And Sends Packets.

Categories

Mobility

Title Of The Invention,

The Speed Of Perception And Its Relation To Information Processing Methods

Project Leader **Dr. Osaamah Ibrahim**

Dr. Muntaha Muttasher Abdulsahab

Project : Essential & Short Description –.

The Attention To Knowledge Of Cognitive Abilities Is One Of The Most Pressing Demands For Study Because Of The Problems Caused By The Tremendous Progress In The Fields Of Life, All Scientific And Technological, Which Requires All Of Us And Through Our Various Educational Institutions To Prepare Working Human Forces, And Trainer In Order To Make Them Able To Successfully Deal With The Data Of This Age. Here, The Role Of Studies And Research In Identifying The Cognitive Speed Of Students, And The Development Of Capacity To Meet The Challenges Of The Present And Future To Deal With This Technological Progress. The Speed Of Perception (Speed Perception) Is One Of The Important Cognitive Functions, Which Is The Most Recognizable Abilities In Scientific Research.

Categories

Education

Title Of The Invention,

The Trend Towards Teaching Profession Among The Students Of Chemistry Department Of Education College

Project Leader **Jehan Faris Yousif**

Project : Essential & Short Description –.

The Universities Undertake To Provide All Sectors Of The Country With Qualified Cadres And Contribute To The Building And Development Of Societies In Various Fields Of Life. Therefore, Students Of Colleges In General And Students Of Faculties Of Education In Particular, But Seeks To Prepare Students To Adapt To Their Future Career By Providing Them With Positive Attitudes Towards Them, And The Success Of The Teacher In His Profession Is Mainly Related To The Trends He Holds Towards The Career Of The Future. As Far As The Researcher Knows, There Is No Study At The Local And Arab Levels, I Tried To Identify The Level Of The Trend Towards The Teaching Profession Among The Students Of The Faculties Of Education In The Departments Of Chemistry, If The Researcher Senses The Problem By Dealing With The Students During The Teaching. In Light Of This Shortage, There Was A Need For Such Research.





Journal

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