

Turnitin Originality Report

Processed on: 31-Mar-2020 11:04 WIB
ID: 1285925516
Word Count: 10679
Submitted: 1

Bioactive Wood Potential (Caesalpinia sappan L.)
in The Proliferation of Wistar Rats in Infection
Salmonella Typhimurium By Edy Haryanto

Similarity Index	Similarity by Source
14%	Internet Sources: 12% Publications: 1% Student Papers: 8%

1% match (student papers from 22-Oct-2019)

[Submitted to Universitas Jember on 2019-10-22](#)

1% match (Internet from 16-Jan-2020)

[https://vufind.katalog.k.utb.cz/EDS/Search?
dfApplied=1&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22materials%22&type=AllFields](https://vufind.katalog.k.utb.cz/EDS/Search?dfApplied=1&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22materials%22&type=AllFields)

1% match (student papers from 28-Nov-2018)

[Submitted to State Islamic University of Alauddin Makassar on 2018-11-28](#)

< 1% match (Internet from 16-Jan-2020)

[https://vufind.katalog.k.utb.cz/EDS/Search?
dfApplied=1&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22management%22&type=AllFields](https://vufind.katalog.k.utb.cz/EDS/Search?dfApplied=1&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22management%22&type=AllFields)

< 1% match (Internet from 09-Feb-2019)

<http://www.medicolegalupdate.org/editorial.html>

< 1% match (Internet from 09-Apr-2012)

<http://ijfimt.com/index.html>

< 1% match (Internet from 13-Jan-2020)

[https://vufind.katalog.k.utb.cz/EDS/Search?
dfApplied=1&filter%5B%5D=EXPAND%3A%22fulltext%22&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22therapy](https://vufind.katalog.k.utb.cz/EDS/Search?dfApplied=1&filter%5B%5D=EXPAND%3A%22fulltext%22&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22therapy)

< 1% match (Internet from 12-Feb-2020)

<http://iaubadeh.ac.ir/files/edo/ghodosi/english/3.pdf>

< 1% match (Internet from 31-Oct-2019)

<http://repository.unair.ac.id/90039/1/Untitled3.pdf>

< 1% match (Internet from 14-Jan-2020)

[https://vufind.katalog.k.utb.cz/EDS/Search?
dfApplied=1&filter%5B%5D=ContentProvider%3A%22Complementary+Index%22&lookfor=%22thanatology%22&type=AllFields](https://vufind.katalog.k.utb.cz/EDS/Search?dfApplied=1&filter%5B%5D=ContentProvider%3A%22Complementary+Index%22&lookfor=%22thanatology%22&type=AllFields)

< 1% match (Internet from 29-Feb-2020)

<http://sinta3.ristekdikti.go.id/authors/detail?id=6008168&type=journal&view=documentsscopus>

< 1% match (Internet from 03-Oct-2019)

<http://repository.unair.ac.id/85923/2/artikel%20IPHRD%202019.pdf>

< 1% match (Internet from 16-Jan-2020)

[https://vufind.katalog.k.utb.cz/EDS/Search?
dfApplied=1&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22diabetes+mellitus%22&type=AllFields](https://vufind.katalog.k.utb.cz/EDS/Search?dfApplied=1&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22diabetes+mellitus%22&type=AllFields)

< 1% match (Internet from 13-Jan-2020)

[https://vufind.katalog.k.utb.cz/EDS/Search?
dfApplied=1&filter%5B%5D=EXPAND%3A%22fulltext%22&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22culture%](https://vufind.katalog.k.utb.cz/EDS/Search?dfApplied=1&filter%5B%5D=EXPAND%3A%22fulltext%22&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22culture%)

< 1% match (Internet from 16-Jan-2020)

[https://vufind.katalog.k.utb.cz/EDS/Search?
dfApplied=1&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22games%22&type=AllFields](https://vufind.katalog.k.utb.cz/EDS/Search?dfApplied=1&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22games%22&type=AllFields)

< 1% match (Internet from 31-Oct-2019)

<http://repository.unair.ac.id/90035/1/Untitled1.pdf>

< 1% match (Internet from 16-Jan-2020)

[https://vufind.katalog.k.utb.cz/EDS/Search?
dfApplied=1&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22social+security%22&type=AllFields](https://vufind.katalog.k.utb.cz/EDS/Search?dfApplied=1&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22social+security%22&type=AllFields)

< 1% match (Internet from 16-Jan-2020)

[https://vufind.katalog.k.utb.cz/EDS/Search?
dfApplied=1&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22quantitative+research%22&type=AllFields](https://vufind.katalog.k.utb.cz/EDS/Search?dfApplied=1&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22quantitative+research%22&type=AllFields)

< 1% match (Internet from 30-Apr-2019)

<http://ijocm.org.in/editorial.html>

< 1% match (Internet from 09-Dec-2019)

<http://www.indianjournals.com/ijor.aspx?article=059&issue=4&target=ijor%3Aijfimt&volume=13>

< 1% match (Internet from 16-Jan-2020)

<p>https://vufind.katalog.k.utb.cz/EDS/Search?dfApplied=1&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22education%22&type=AllFields</p> <p>< 1% match (Internet from 18-Dec-2019) http://repository.unair.ac.id/90038/</p>
<p>< 1% match (Internet from 17-May-2018) http://repository.phb.ac.id/70/1/Prosiding%20ICON%203%202017.pdf</p>
<p>< 1% match (Internet from 15-Mar-2020) http://journals.sbm.ac.ir/AAEM/index.php/AAEM/article/view/330/622</p>
<p>< 1% match (Internet from 16-Jan-2020) https://vufind.katalog.k.utb.cz/EDS/Search?dfApplied=1&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22Post%22&type=AllFields</p>
<p>< 1% match (Internet from 13-Jan-2020) https://vufind.katalog.k.utb.cz/EDS/Search?dfApplied=1&filter%5B%5D=EXPAND%3A%22fulltext%22&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22occupat</p>
<p>< 1% match (student papers from 29-May-2019) Submitted to Kirkuk University on 2019-05-29</p>
<p>< 1% match (Internet from 16-Jan-2020) https://vufind.katalog.k.utb.cz/EDS/Search?dfApplied=1&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22hyaluronic+acid%22&type=AllFields</p>
<p>< 1% match (Internet from 13-Jan-2020) https://vufind.katalog.k.utb.cz/EDS/Search?dfApplied=1&filter%5B%5D=EXPAND%3A%22fulltext%22&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22quality</p>
<p>< 1% match (student papers from 19-Feb-2020) Submitted to TechKnowledge on 2020-02-19</p>
<p>< 1% match (Internet from 14-Jan-2020) https://vufind.katalog.k.utb.cz/EDS/Search?dfApplied=1&filter%5B%5D=ContentProvider%3A%22Complementary+Index%22&lookfor=%22plasty%22&type=AllFields</p>
<p>< 1% match (Internet from 17-Jan-2013) http://www.manipal.edu/Institutions/Dentistry/MCODSManipal/Research/Thesis/Pages/Prosthodontics.aspx</p>
<p>< 1% match (publications) Ming Wang, Qi Wang, Yongqiang Du, Hui Jiang, Xiansheng Zhang, "Vitamins combined with traditional Chinese medicine for male infertility: a systematic review and meta-analysis", Andrology, 2020</p>
<p>< 1% match (Internet from 20-Aug-2012) http://69.195.76.107/links/pages/General_information_resources/Literature_and_journals/</p>
<p>< 1% match (student papers from 30-May-2019) Submitted to Kirkuk University on 2019-05-30</p>
<p>< 1% match (Internet from 13-Jan-2020) https://vufind.katalog.k.utb.cz/EDS/Search?dfApplied=1&filter%5B%5D=EXPAND%3A%22fulltext%22&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22SOFTW</p>
<p>< 1% match (Internet from 16-Jan-2020) https://vufind.katalog.k.utb.cz/EDS/Search?dfApplied=1&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%222013%22&type=AllFields</p>
<p>< 1% match (student papers from 22-Apr-2019) Submitted to University of Al-Qadisiyah on 2019-04-22</p>
<p>< 1% match (student papers from 07-Jan-2018) Submitted to Tikrit University on 2018-01-07</p>
<p>< 1% match (student papers from 23-Jun-2019) Submitted to University of Diyala on 2019-06-23</p>
<p>< 1% match (Internet from 16-Jan-2020) https://vufind.katalog.k.utb.cz/EDS/Search?dfApplied=1&filter%5B%5D=ContentProvider%3A%22IndianJournals.com%22&lookfor=%22educational+programs%22&type=AllFields</p>
<p>< 1% match (student papers from 18-Feb-2020) Submitted to South University on 2020-02-18</p>
<p>< 1% match (student papers from 17-Oct-2016) Submitted to Tikrit University on 2016-10-17</p>
<p>< 1% match (student papers from 15-Jan-2020) Submitted to Forum Perpustakaan Perguruan Tinggi Indonesia Jawa Timur on 2020-01-15</p>
<p>< 1% match (student papers from 26-Dec-2018) Submitted to University of Al-Qadisiyah on 2018-12-26</p>
<p>< 1% match (student papers from 14-Aug-2019)</p>

Volume 13 Number 4 October-December 2019 Indian Journal of Forensic Medicine & Toxicology [EDITOR in Chief Prof. R. K Sharma Formerly at All India Institute of Medical Sciences, New Delhi, E-mail: editor_ijfnt@gmail.com](#) EDITOR Prof. [Dr. Adarsh Kumar](#) Forensic [Medicine](#) & Toxicology, AIIMS, New Delhi INTERNATIONAL EDITORIAL ADVISORY BOARD 1. 2. Prof Mete Gulmen Cukurova University, TURKEY Prof. Leandro Duarte De Carvalho, Minas Gerais, Belo Horizonte, Brazil 3. Prof. Donata Favretto (Full Professor) Forensic Toxicology at University of Padova, Italy 4. Prof. Babak Mostafazadeh Department of Forensic Medicine & Toxicology, Shahid Beheshti University of Medical Sciences, Tehran- Iran 5. 6. 7. Prof Halis Dokgoz, Mersin University, TURKEY Prof Jozef Sidlo, Comenius University, Bratislava, SLOVAKIA Dr. Rahul Pathak (Lecturer) Forensic Science, Dept of Life Sciences Anglia Ruskin University, Cambridge, United Kingdom 8. Dr. Hareesh (Professor & Head) Forensic Medicine, Ayder Referral Hospital, College of Health Sciences, Mekelle University, Mekelle Ethiopia East Africa 9. Dr. Mokhtar Ahmed Alhrani (Specialist) Forensic Medicine & Clinical Toxicology, Director of Forensic Medicine Unit, Attorney General's Office, Sana'a, Yemen 10. [Dr. Sarathchandra Kodikara](#) (Senior [Lecturer](#)), [Forensic Medicine, Department of Forensic Medicine, Faculty of Medicine, University of Peradeniya, Sri Lanka](#) 11. Dr Noha A. Magdie El Rafie, Forensic Toxicology, Ain Shams University, Cairo, EGYPT SCIENTIFIC COMMITTEE 1. Prof Udai Pratap Singh, Department of Anthropology Lucknow University Lucknow 2. Dr Anil Rahule (Associate Professor) Dept of Anatomy, Govt Medical College Nagpur 3. Dr Shankar Bakkanwar (Associate Professor) Forensic Medicine, Kasturba Medical College, Manipal, Karnataka 4. 5. Dr K. Ravikumar Raksha Shakti University, Ahmedabad, Gujrat. Dr. Pragnesh Parmar (Associate Professor) Forensic Medicine, Valsad, Gujrat 6. [Dr Vandana Mudda \(Awati\)](#) ([Associate Prof](#)) [Dept of FMT, M.R. Medical College, Gulbarga, Karnataka](#), 7. [Dr. Asha Srivastava](#) (Senior Scientific Officer) Forensic Psychology, Central Forensic Science Laboratory, CBI, Delhi 8. Dr. Lav Kesharwani (Asst.Prof.) School of Forensic Science, Sam Higginbottom Institute of Agriculture Technology & Sciences, Allahabad U.P., 9. Dr. Anu Sharma (Associate Prof) Dept of Anatomy, DMCH, Ludhiana (PB) 10. Dr. Shalini Gupta (Prof) Oral Pathology and Microbiology, Dental Sciences King George Medical University, Lucknow, UP 11. Dr Rituja Sharma, Associate Prof, Law Banasthali Vidyapeeth Jaipur NATIONAL EDITORIAL ADVISORY BOARD Chairman Prof Sudhir K Gupta - Head, Department of Forensic Medicine All India Institute of Medical Sciences, New Delhi Members 1. Prof. SK Dhatarwal, [Forensic Medicine, PGIMS, Rohtak, Haryana](#) 2. [Prof. N K Aggrawal](#) [Forensic Medicine, UCMS, Delhi](#) 3. [Prof Ajay Ghangale](#) [Forensic Medicine](#) Dr DY Patil Medical College, Pune, Maharashtra 4. Dr. Amar Jyoti Patwory Professor, Forensic Medicine NEIGRIHMS, Shillong 5. Dr S. Venkata Raghava Professor, Forensic Medicine, Bangalore Medical College, Bengaluru 6. Prof Praveen Arora, Professor Department of Forensic Medicine & Toxicology, SAIMS, Indore 7. Dr. Pankaj Datta (Principal & Head) Department of Prosthodontics, Indraprastha Dental College & Hospital, Ghaziabad 8. Dr. Mahindra Nagar (Head) Department of Anatomy, UCMS & GTB Hospital, Delhi 9. Dr. Virender Kumar Chhoker Professor Forensic Medicine and Toxicology, [Santosh Medical College, Ghaziabad, UP](#) 10. [Dr. Dayanand G Gannur](#) ([Professor](#)) Department of Forensic Medicine & Toxicology, Shri BM Patil Medical College, Hospital & Research centre, Bijapur, Karnataka 11. Dr. Alok Kumar Professor Department of Forensic Medicine & Toxicology, UP Rural Institute of Medical Sciences and Research, Saifai, Etawah, U.P. Print-ISSN:0973-9122 Electronic - ISSN: 0973-9130 Frequency: Quarterly, © All Rights reserved [The views and opinions expressed are of the authors and not of the Indian Journal of Forensic Medicine & Toxicology.](#) Indian Journal of Forensic Medicine & Toxicology [does not guarantee directly or indirectly the quality or efficacy of any products or service featured in the advertisement in the journal, which are purely commercial.](#) Website: [www.ijfnt.com](#) [Editor Dr. R.K. Sharma Institute of Medico-legal Publications Logix Office Tower, Unit No. 1704, Logix City Centre Mall, Sector- 32, Noida - 201 301 \(Uttar Pradesh\)](#) [Printed, published and owned by Dr. R.K. Sharma Institute of Medico-legal Publications Logix Office Tower, Unit No. 1704, Logix City Centre Mall, "Indian Journal of Forensic Medicine & Toxicology" is peer reviewed Sector- 32, Noida - 201 301 \(Uttar Pradesh\)](#) quarterly journal. [It deals with Forensic Medicine, Forensic Science, Toxicology, DNA fingerprinting, sexual medicine and environment medicine. It has been assigned International standard serial No. p-0973-9122 and e- 0973-9130. The Journal has been assigned RNI Published at No. DELENG/2008/21789. The journal is indexed with Index Copernicus \(Poland\) and is Institute of Medico-legal Publications covered by EMBASE \(Excerpta Medica Database\). The journal is also abstracted in Chemical Abstracts \(CAS\) database \(USA\). The journal is also covered by EBSCO \(USA\) database. Logix Office Tower, Unit No. 1704, Logix City Centre Mall.](#) The Journal is now part of UGC, DST and CSIR Consortia. It is now official publication of [Sector- 32, Noida - 201 301 \(Uttar Pradesh\)](#) Indian Association of [Medico-Legal Experts](#) (Regd.). I [Indian Journal of Forensic Medicine & Toxicology](#). Contents [Volume 13](#), Number 4 October-December 2019 1. Study of Maternal Deaths in Tertiary Care Hospital in Central India.....1 A.K.Jaiswani, J.L.Borkar, S.V. Dhoble, Kanchan Jaiswani 2. An Epidemiological Study of Snake Bite Cases Attending at Mortuary in Tertiary District Level Medical College.....7 Sukanta Majumdar, Achintya Biswas, Soumeek Chowdhuri 3. Study of Violent Injuries in Medico-Legal Autopsy: – A Mortuary based Study.....12 Anil Shandil, Ramanand Choudhary 4. Correlation Study between Foot Length and Stature in the Natives of Ajmer.....17 Rajesh Kumar Jat, Anupam Johry 5. Determination of Physical Height Using Clinical Crown Height of Deciduous Teeth.....23 Harrita.S, Archana Santhanam 6. Patterns of Violent Asphyxial Deaths in Jammu Region: A 6 Year Retrospective Study.....28 Sandhya Arora, Deepti Mahajan 7. Age Related Changes in Accidental Contusion at Tertiary Care Centre.....33 Swapnil Patond, Prakash Mohite, Sudhir Ninave, Pawan Wankhade, Varsha Pande 8. Relationship of Fingerprint with Gender among Medical Students in Mangalore.....37 Khan F, Bachh U 9. Estimation of Stature from Foot Length in North Indian Population.....41 Bachh U, Firdous Khan, Aggarwal OP 10. The Study of Lip Prints in Relation to Gender and Facial form among Third Year Students in a Dental Institution.....47 Pamela Sylvia Ann Kelasi, Gheena S 11. A Post-Mortem Study on Deaths due to Electrocutation among Autopsies Conducted at Mortuary, RIMS Raichur- A Retrospective Study.....53 Sharnabasavappa. S. Karaddi, Gopinath.M, Abhinandana R, Suraj 12. Analysis of Difference in Skin Ridge Density among Identical Twins58 Joshima Janardhanan, Mahabalesh Shetty, B. Ashoka 13. Correlational Study of Hand and Foot Measurement of University going Students64 Joydeep Dutta, Deepankar Singh, Nitesh Kumar, Vidushi, Sohom Singha Roy, Nechel Chouhan II Causes and Influencing Factors of Road Traffic Accidents Treated at Nri General Hospital, AP.....68 Vipparla Koteswara Rao, K. Ravimuni, K. Usha Rani 15. [A Comprehensive Study of Death due to Burns in Married Women - An Autopsy based Study Conducted in Tertiary Care Hospital](#)..... 74 S. [Shankar](#), K [Priyatharsini](#) 16. Trends of Poisoning Cases in Males Analyzed in Poison Detection Centre of a Tertiary Care Hospital- A 5 year Retrospective Study80 Kashif Ali, Somashekhar S. Pujar, Ravindra S. Honnugar, Prasanna S. Jirli, Vishal V. Koulapur, Khaja Azizuddin Junaidi, Pushpa M.G. 17. A Study of Road Traffic Accidents (RTAs) Trends on Tirupati Region.....84 S.venkateswara Rao, Kilaribhaskar 18. Tongue Prints: An Emerging Biometric Forensic Tool.....88 Kriti Garg, Rohan Sachdev, Garima Singh, Pawan Jeet Singh, Shiv Singh Chauhan 19. Study of Cases booked under POCSO (Protection of Children from Sexual Offences) Act in Chittoor.....91 B. Venkatesulu, M. Abdul Khalid 20. Profile of Deaths Due to Hanging – An Autopsy Study.....97 Ravindra Kumar C N, Gajanan H Nayak, Mahalaxmi B Karlawad 21. Self Choice to quit from Life against Nature: Tendency of Suicide in India.....100 Manju Sharma 22. Acid Attack: No More A Gender Specific

Menace.....	108	Srishti Rai, Manoj Kumar Pathak, Rohini 23. A Retrospective Observational Study of Poisoning Cases Admitted in a Tertiary Care Teaching Institute in a Tribal Area of Central India.....	113
Manu D. Sharma, Lohit S. Vaishnao, Mahek S. Kewalramani, Ruchi P. Aggrawal, Ashutosh S. Jawade, Anshada A. Bathe 24. A Correlation and A Regression analysis for Estimation of Stature from Head Length and Head breadth in Bhavnagar Region, Gujarat.....	119	Chauham Desani A., Nisarg Y Modi	125
25. Study of the Pattern of Homicidal Deaths in Vadodara District, Gujarat: A Prospective Study	125	Nisarg Y Modi, Chauham Desani A., V. R. Patil, Akhilesh Pathak 26. Roentgenographic Evaluation of Bones at Wrist Joint For Osteological Maturity for Academic and Judicial	131
Intrest.....	131	Pawan.A.Wankhade, Swapnil.K.Patond, B.H.Tirpude 27. Correlation between Days of the Week and Non-Fatal Road Traffic Accidents – A Prospective Study.....	137
Venkatesa Prasanna J, Prasanna P 28. Retrospective Analysis of Poisoning Cases in a Rural Health Centre of West Bengal.....	141	Saikat Saha, Priyankar Roy, Sucharita Kundu, Gautam Kumar, Vivek Kumar III Thickness Corrected Translucency Measurement- An Efficient Tool in Age	145
Estimation.....	145	Shweta Yellapurkar, N Srikanth, Ravindra Kotian, Dilip G Naik, Karen Boaz, Nandita KP, Nidhi Manaktala 30. Age and Gender Determination Using Maxillary Sinus and Sella Turcica in Forensics-A Lateral Cephalometric Study.....	151
S. Subasree, Sreedevi Dharman 31. Socio-Demographical Profile of Suicidal Deaths at a Tertiary Care Hospital in South India and Implications	158	Sneha.S, Priyadarshree Pradhan, P.SampathKumar, Shreedevi G., Karan Kumar S 32. Estimation of Time Since Death from Postmortem Lividity.....	164
Rajesh S. Chintalwar, Swapnil Patond, Sudhir Ninave 33. Estimation of Stature and Gender from Biacromial Breadth Measurements in Adult Population of Bareilly.....	167	Somshekhar Sharma, Rahul Peddewad 34. An Analytical Study of Deaths due to Domestic Accidents.....	172
T. Vikramaditya 35. An Analytical Study of Road Traffic Accidents in Suraram, Hyderabad, Telangana State.....	178	T. Vikramaditya 36. Determination of Sexual Dimorphism Using Lateral Cephalogram-A Radiographic Study.....	183
Nivedhaa Chezhan, Sreedevi Dharman 37. Pattern of Injuries in Death Cases of Unintentional Fall from Height: A Prospective Study at SMS Medical College During 2015-2016.....	189	Rajesh Kumar Verma, N.L. Disania, R.K. Punia, P.C. Meena 38. Study of Dowry Deaths in Northern Maharashtra Region.....	195
Lamb Mahadev Ranganath 39. Study of Skull Fractures in the Deaths of Road Accidents of Maharashtra Population.....	199	Mahadev. R. Lamb. 40. Evaluation and Comparison of the Shear Bond Strength of Porcelain Repair System for Fractured Metal-Ceramic Prosthesis Using Ni-Cr and Co-Cr Alloys: An In-Vitro Study.....	203
Anand Kulkarni, Shobha Rodrigues, Mahesh M, Thilak Shetty B, Umesh Pai, Sharon S, Puneeth Hegde 41. Pesticides: Deleterious Effects on Neurotransmission.....	208	Gauri Joshi, A.G. Joshi, Ajit Sontakke, K.C. Wingkar, Dhirajkumar Mane 42. A Comparative Evaluation of the Effect of Different Incisal Preparations on the Fracture Resistance and Fracture Pattern of Mandibular Anterior Porcelain Laminate Veneers Using Two Different Materials- An In Vitro Study.....	214
Nupur Vaidya , Shobha Rodrigues, Puneeth Hegde , Thilak Shetty , Umesh Pai , Mahesh M, Sharon Saldanha IV Assessment of Profile of Fatal Thoracic Injuries in Road Side Accidents Victims.....	220	Ashok Kumar Agnihotri, Akhilesh Agarwal 44. Assessment of Fatal Poisoning in Adult Population.....	224
Ashok Kumar Agnihotri, Akhilesh Agarwal 45. Analysis of Railway Track Deaths – An Autopsy based Study.....	228	Prachi Ahuja, Pavanchand Shetty H, Haneil L Dsouza Jagadish Rao Padubidri, B Suresh Kumar Shetty, Shashidhar Kotian 46. Health Care of the Elderly Population in India: Analysis of Socio-Economic Perspectives.....	232
Ramesh Kumar 47. Study of Intercanine Distance of Mandibular Permanent Canine in Gender Identification among Chennai Population.....	235	Mohamad Qulam Zaki Bin Mohamad Rasidi, Gheena S 48. Study of Odontometric Using Arch Length and Incisorial Width Parameter in Maxillary Permanent Teeth for Gender Identification among Chennai Population.....	240
Mohamad Qulam Zaki Bin Mohamad Rasidi, Gheena S 49. Pattern of Craniocerebral Injuries in Road Traffic Accident Cases in Mangalore- Autopsy based Retrospective Study.....	246	Eshetu Sileshi, Pavanchand Shetty H, Jagadish Rao Padubidri, B Suresh Kumar Shetty, Haneil L Dsouza, Miressa Belay, Ibrahim Jibril 50. Autopsy Profile of Sudden Natural Death in a Tertiary Care Center: A Retrospective Analysis.....	251
Miressa Belay, Jagadish Rao Padubidri, Pavanchand Shetty, B Suresh Kumar Shetty, Haneil Larson D'souza, Ibrahim Jibril, Eshetu Sileshi 51. Determination of Sex Using Various Parameters of Hyoid bone.....	259	S. K. Nawaz Ahmed, M. Sreenivasan 52. Comparison of Stress Patterns in Edentulous Mandibular Bone Around Two Implant Retained, Four Implant Retained Overdenture and All-On-Four Concept - A 3 Dimensional Finite Element Analysis	264
Puneeth Hegde, Shobha Rodrigues, Satish Shenoy, Tilak Shetty, Umesh Pai, Sharon Saldhana, Mahesh. M 53. Comparison and Evaluation of Fracture Resistance of Endodontically Treated Maxillary Central Incisors with 3 Different Bonded Post and Cores: An In Vitro Study.....	270	Varsha Ignatious , Thilak Shetty B , Sharon Saldanha , Shobha Rodrigues Mahesh M, Umesh Pai , Puneeth Hegde 54. Exercise Treadmill Test Findings in Patients with Coronary Artery Disease in Salahaddin General Hospital, Tikrit,	276
Hasan Ismail Sultan, Turki Ahmed Mohammed, Bahaa Abdullah Ali 55. Corrected QT Dispersion within the First 72 Hours of Acute ST Elevation Myocardial Infarction in Salahaddin General Hospital- Tikrit-Iraq.....	283	Hasan Ismail Sultan V Assessment of Breast Tumors among Iraqi women at Women Health Center in Baghdad City: Comparative Study.....	289
Hawraa Hussein Ghafel, Wafaa Tuffah 57. The Role of ELMO1 Gene Mutation in Development of Nephropathy in Diabetes Mellitus	296	Hawraa Jasim Mohammed, Riyadh Muhi Al-Saegh, Narjis Hadi Al-Saadi 58. Isolation and Identification of Two Fungal Colonies Exhibiting Antagonistic Growth	303
Hayder Abdulrahman Majeed, Quthama Jasim Seger 59. Effectiveness of the Ultrasonic Device with Therapeutic Exercises in the Rehabilitation of Knee Joint Injury in Football Players.....	308	Hayder Jaber Mousa, Aqeel Kadhim Hadi, Mayasah Abd Ali Kadhim 60. Comparative Changes in Sexual Dysfunction of Married Women after Colpoproterorrhaphy Versus Colpoproterorrhaphy with Additional Platelet Rich Plasma Injection.....	314
Inas Taha Al-Hamadani, Elaf mahmod Shehab, Noor Abdul aziz 61. Sequencing Analysis of Interleukin -4 gene 590C>T in Patients with Type-2 Diabetes Mellitus.....	321	Intisar Hussein Ahmed, Zafir Hassan Ghali 62. The Value of Colonoscopy in the Diagnosis of Bleeding Per Rectum in Adults.....	330
Jamal Mohammed Ibrahim, Awni Ismail Sultan, Hisham Al-Atrakchi 63. A Study on Retrospective Analysis of Inguinal Hernia Repair By Mesh-Plasty Using Absorbable and Non- Absorbable Synthetic Mesh in Samarra General Hospital.....	336	Jameel I Azawi , Basim Ghaib Hussein , Rabah Ali Hussein 64. Denture Cleansers for Complete Denture Wearers: A Study of Patient's Knowledge and Practice.....	340

Luma Nasrat Arab, Luma Nasrat Arab 65. Awareness of Pregnant Women about Anemia During Pregnancy	345
Magroom E.Seniar, Badeeah M . Najeeb 66. Application of CBCT in the Evaluation of Impacted Teeth (a Review Study).....	351
Mahsa Gahrouei, Fataneh GhorbanyJavadvpour 67. The Length and Course (Path) of Greater Palatine Canal in Computer Imaging with Cone Beam	356
Mahshid Razavi, Meysam Noori, Saeed Shirafkan, Sina Pirzad 68. Synthesis Characterization of new Nanoparticles Derived From Iron Oxide and Beta vulgaris extracts and its Bioactivity against Pantoea spp	362
Manal Kahlid Mohammad, Sundus Hameed Ahmed, Rasha Sattam Hameed, Isam Hussain T. Al-Kharkhi 69. Assessing The Quality of Sleep in Iranian Elderly People by the Standard Pittsburgh Sleep Quality Index: Systematic Review and Meta-Analysis Method.....	367
Masoumeh Shohani, Sanaz Azami, Hossein Seidkhani, Zienab Gholami 70. Maternal and Fetal Outcome in Patients with History of Polycystic Ovary Syndrome.....	374
Masryiah Rashad Hussein, Dunya Khadim Ahmed VI Compression of Efficacy of Topical Phenytoin, Honey and Combination of Honey with Triglyceride Tree Nitrate on Wound Healing in Rat	381
Mehdi Ahmadinejad, Mohammad Khaksarhaddad, Alireza Raji Amirhasani, PayamKhazaeli, Majid AsadiShekari, Maryam Ahmadipour, Saba Tahmaseby 72. Assessment of the Concentration and the Adverse Effects of Heavy Elements in the Soil of Several State Departments in Shatrah City.....	387
Mohammed A.A. Hasan, Ibtihaj Ahmed Kadhim 73. Effects of smoking on hemoglobin level Men in Salah al-Din.....	393
MoozeyyianFadhly Namik , Iktefa Abdul Hamid Mohammed Saeed, Enas GaziYahay Alobadi 74. Assessment of the Relationship Between Stress and Temporomandibular Joint Disorder in Athletes.....	399
Moradpoor H, Raissi S 75. Multivariable Assessment of Vitamin D Status in Type 2 Diabetes: A Cross-Sectional Study from Kurdistan Region-Iraq.....	404
Mudhafar Mohammed M. Saeed, Abdulkadir A. Alnakshbandi, Marwan S. Al-Nimer 76. Determining the Level of 25-Hydroxy Cholecalciferol in Patients with Multiple Sclerosis and its Effect on Disease Activity.....	411
Muhammad QaisFadhil Ahmed, EmanSaadi Salih, SarmadAbdulrasool Mohammed 77. Evaluation of Problem Solving and Critical Thinking Skills among Mosul's Nursing Students.....	418
Muhannad Khalil Abdullah, Mohammad Salih Awad, Radhwan Hussein Ibrahim, Jwan Mohammd Hassan 78. Biochemical Study of the Protective Effect of Vitamin C and Radish on Gentamicin-Induced Nephrotoxicity in Rats	424
Murooj Lui Majeed Al-Timimi, Ekhlis Sabah Hassan, Rana Talib Al-Nafakh, Shaymaa Abdul Iteef Alfadhul , Ammar R. Mohammad 79. Safe Concentration of Benzene Exposure as Reference for Determining Threshold Limited Value in Enviromental Working	429
Abdul Rohim Tualeka, Ahsan, Ananto Dwi Wibrata , Pudji Rahmawati 80. Antibiotics Resistant At Staphylococcus Aureus And Streptococcus Sp Isolated From Bovine Mastitis In Karangploso, East Java, Indonesia.....	439
Aswin Raffi Khairullah, Dadik Raharjo, Jola Rahmahani, Suwarno, Wiwiek Tyasningsih , Nenny Harijani 81. Evaluation the Time of Death by Different Markers in Liver and Brain of Rats	445
Gehan B A Youssef, Rania M Waheed, Samar S Ibrahim, Olla A K Khalifa 82. Knowledge, Attitude and Physical Environment of the Community to Incidence Malaria: Analysis Using Structural Equation Modeling (SEM) with LISREL Software Release 8.7	452
Masriadi, Jetrianus JM 83. Characterization of Selected Pharmaceutical Micropollutants in River Water Using In-Situ Suspended Aggregate Microextraction and Field Enhancement Sample Injection-Capillary Electrophoresis.....	458
Nur Hidayati Jamil, Jafariah Jaafar, Ambavaram Vijaya Bhaskar Reddy, Zaiton Abdul Majid, Azmi Aris, Zulkifli Yusof VII Effect of Food Consumption Contain Glutathione Anti-oxidant towards LDL Cholesterol Concentrations on Benzene-exposed-workers at the Romokalisari Shoe Industry, Surabaya	465
Abdul Rohim Tualeka, Tri Martiana , Ananto Dwi Wibrata , Pudji Rahmawati 85. A Maternal Mortality in the Case of HELLP Syndrome: An Avertable Loss.....	470
Razuin R., Noor Kaslina K, Shahidan MN 86. A Prospective Study of Blood Levels of Nickel and its Adverse Health Effects on Workers Employed in Brass Manufacturing Units of Moradabad District in Uttar Pradesh, India	475
Saadiya Saeed , Hashim Abbas , Munawwar Husain , Saadiya Saeed 87. Pterygium Excision Using Bare Sclera Technique and Adjunctive 5 -Fluorouracil Application.....	480
Abdulhameed Abdulmajeed Hassan, Marwan Salah Salman, Mazin GH H AL-Badri 88. Genotype and Haplotype of HLA- Class II in Type I and Type II Diabetes Mellitus in Iraqi Patients	486
Abeer Mazin, Abdalnabi J Abid 89. The Effects of Fasting on Toluene Metabolite (Hippuric Acid) Excretion in Urine (A Case Study of Shoe-Makers in Tambak Oso Wilangun Village –Surabaya)	492
Erwin Dyah Nawawinetu, Abdul Rohim Tualeka 90. Clinical Evaluation of Obesity in Medical Students Iraq.....	500
Ahmed M Athab 91. Detection of Candida Species Phenotype and Genotype in Diabetes Mellitus Patient in Baquba Teaching Hospital	506
Ahmed M. Athab, Maha Mohammed Rasheed , luma T. Ahmed 92. Wrist Ganglions: Excision and Fat Graft.....	511
Ali Adwal Ali, Yasir Naif Qassim, Ali Kalil Ali, Mohammed M. Wais 93. The Relationship between Metabolic Syndrome and 2 Dimensional Echocardiographic Study of Left Ventricular Mass.....	516
Ali Musa Jaafer, Ahmed Talal Abdullah, Ismail Ibrahim Latif 94. Comparison of the Efficacy of the Escitalopram and Citalopram in the Treatment of Major Depressive Disorder	522
Ali Talib Galleb, Jasim M. Shendi, Chalank Baqir Kanber 95. Identification and Assessment of Occupational Hazards in Informal Waste Pickers Using Job Hazard Analysis	529
Amin Babaei Pouya, Rasol Nokhostin Jame, Parisa Abedi, Zahra Azimi 96. Association of Polymorphism GST1 Gene and Antioxidant status, and Interleukin-17 of Colorectal Cancer Iraqi Patients.....	535
Aqeel Shakir Mahmood, Shireen Hamid Farhan, Mohammed Ayyed Najm 97. My Village My Home: Community Empowerment to Increase Immunization Coverage.....	541
Arief Hargono, Kurnia Dwi Artanti, Fariani Syahrul, Hario Megatsari, Ratna Dwi Wulandari, Anasyia Nurwitasari, Kiki Ayu Pramesti VIII Study the Effects of Helicobacter Pylori Bacterial Infection on Some Liver Enzymes and Lipid Profile in Kirkuk Patients.....	547
Asma Sumiea Afram Karomi 99. Effect of nanoparticles on liver functions and antioxidant in female rabbits treated with Domperidone.....	553
Asmaa Abd Alhaqmuhamad, Mostafa Ali Abdulrahman, Hanan Shihab Ahmad 100. Continence Disorders after Anal Fistulotomy.....	558
Ayoub Motlak Zedan, Jamal Abbas Lateef, Mohammed Salih Abbas 101. Postgraduate Nursing and Midwifery Education	564
Bashiri Saba , Sadegh Robab , Haghshenas Aboutaleb , Bozorgiyan Leila 102. Assessment of Serum Vitamin B9 and B12 in the Iraqi Pregnant Women.....	569
Bushra Mohammad Kadhim 103. Physiological and Biochemical Effects of Rosemary (Rosmarinus officinalis) water extract and vitamin E in Males of New Zealand Rabbits with Induced Hyperlipidemia.....	573
104. Comparison between Allele Frequencies of Several Strs Loci in	

Najaf City of Iraq and Middle Province in Iraqi Population.....	578
Mohammed Mahdi AL-Zubaidi, Haider K. AL-Rubai , Majeed Arsheed Sabbah, Thooalnoon Younes Al-Janabi, Sura Nabeel Hameed, and Asia Abd-Atatief Mahdi 105. Melatonin as New Therapy of Ovarian Cancer (Review)	584
Ekhlas Abdallah Hassan , Wafaa Sh. Al – Zuhairi , Rusul Y _Hameed 106. Omeprazole versus Cimetidine Before endoscopy in Upper Gastrointestinal Tract Bleeding.....	589
Faraidoon Najmadeen Fathala 107. A Radiographic Comparison of Crestal Bone Loss Around One-Stage and Two -Stage Implants. : An Invivo Study.....	596
Gautami Pal, Thilak Shetty Rodrigues Shobha J , Saldanha Sharon, Umesh Y Pai, Mahesh, Hegde Puneeth 108. Experimental Assessment of the Effect of Disinfectants on Dimensional Changes, Recorded Details, and Superficial Quality of Zinc Oxide Eugenol (ZOE).....	602
Fatemeh Rostamkhani, Hossein Dashti; Meysam Noori, Sara Mahboobi 109. Medicinal Plants with Hepatoprotective Use: An Ethnobotanical Study of Hepatoprotective Herbs from Shahrekord, Chaharmahal and Bakhtiari Province, Southwest of Iran.....	607
Gholam Basati, Saber Abbaszadeh,, Nima Karami, Mahmoud Rafeiean-Kopaei 110. Iranian Medical Students' Attitude towards Euthanasia.....	612
Hakimeh Malaki Moghadam, Samaneh Nakhaee, Maryam Talebi ,, Alireza Amirabadzadeh, Homeira Ataei, Mahsa Mehrpour 111. Antimicrobial Activity of Aqueous, Ethanolic Extracts of Nigella Sativa (Black Cumin) Against Pathogenic Bacteria Isolation from Digestive Tract in Poultry.....	618
Hala Mohammed Majeed IX 112. Surgical Site Infection after Caesarean Section in Relation to Operative Time.....	625
Hanan K. Alkadhim, Adnan A.H.Abdairi 113. Prevalence of Ticks and Lice parasites on a certain number of buffaloes in the district of Samarra / Iraq...631 Harith Ahmed Mustafa, Husham Najji Hameed, Thabet Mudheher Khalaf 114. Prevalence of Joint Diseases in Postmenopausal Women.....	636
Hanan K Alkadhim, Jameel T Mehsen, Mohannad Ali Hasan 115. The Association between Dopamine and Oxidative Stress for Methamphetamine Iraqi Addicts641 Murtada H. AL zyadi 116. Role of Forkhead box O 3 (FoxO3) Protein in Iraqi Patients with Knee Osteoarthritis (KOA).....	648
Mustafa Saleam Khalaf, Abbas Toma Joda, Estabraq Abdulrasool Kwaeri 117. Effect of Follicular Activin a and Granulocyte Macrophage - Colony Stimulating Factor on the Prediction of Pregnancy Rate Following Intracytoplasmic Sperm Injection in Women with PCOS.....	651
Nagham T. Shukry , Saad S.Al-Dujaily 118. Nurses Knowledge, Attitude and Practice Concerning Fluid Therapy in Children Hospital in Erbil City, Kurdistan Region Iraq	658
Nazar Ramadhan Othman , Abbas Abdulqader Ahmed 119. Detection of IL-17 Genetic Polymorphisms in Sample of Iraqi Patients with parainfluenza virus type 3 (HPIV3).....	663
Noor Hameed Alkharsan, Siham Jasim Al-kaabi 120. Immunohistochemical expression and enumeration of mast cells in synovial tissue from Iraqi patients with Rheumatoid arthritis.....	666
Ola A. Jassim, Sahar A. H. Al-Sharqi, Mahmood Shihab Wahab 121. The Urgency of Calculating the Community Satisfaction Index on the Utilization of Community Health Center672 Putri Ayuni	672
Alayyannur 122. Analysis of Primary Health Facility Leader Perceived Risk on Cooperation with Health Care and Social Security Agency in East Java (Study on Public Health Centers and Non-Public Health Centers in Urban Areas)	678
Rachmad Suhanda ,, Thinni Nurul Rochmah , Djazuly Chalidyanto , Ernawaty 123. Antimicrobial Resistance of Neisseria Gonorrhoeae in Female Patients Attending Special Gynaecological Care Clinics in Dour District.....	683
Rafal K. Farhan 124. The Effect of Aflatoxin Produce by Aspergillus Niger Species on Some Biochemical and Histological Changes in Albino Male Rats.....	689
Rasha H. Ayub, Rasha SH. Hussien, Wasan S. Oubid 125. Antimicrobial Activity and Molecular Modeling Study of Schiff Base Derived from Sulfamerazine.....	694
Rasha M. Othman, Wasfi A. Al-Masoudi, Adil A. Hama, Sara M. Hussain X 126. Knowledge, Attitude and Performance of General Dentists in Relation to Children with Leukemia and Related Therapies in Ahvaz	700
Razieh Meshki , Parisa Sarikhani , Fateme Zarouni 127. The Relationship between Demographic and Professional Variables with Leadership Style, Subjective Norms of Attitude and Intention to Share Knowledge in Managers.....	705
Raziyeh Hosseini, Nasrin Bagheri, Enayatollah Shahidi 128. Clinical and Radiological Parameters in Evaluation of Equivocal Cases in Inguinal Hernia.....	710
Renas Maroof Hussain, Lubab Tarek Nafea, Bilal Hamid Abdul -Ghafoor 129. Prevalence of Common Psychiatric Disorders in Dehloran City, Ilam Province, West of Iran During 2013 to 2018	717
Reza Valizadeh , Mahmoud Bahmani , Naser Abbasi , Marzieh Mansouri , Saber Abbaszadeh ,, Khatereh Anbari 130. The Prediction of Psychological Capital Based on the Basic Beliefs and Basic Psychological Needs of Married Women Referring to Health Centers in District 3.....	725
Sahar Ataee, Nasrin Bagheri 131. Application of Silver Oxide Nanoparticles as Antibiofilm and Detection of Beta Lactamase Gene in Escherichia Coli Isolated from Diabetic Mellitus Patients.....	731
Sarween omer taha rasul, Khadija Khalel Mustafa, Zirak Faqe Ahmed Abdulrahman 132. Abundant Active Ingredients of Green Tea Regulate Glucose Metabolism in 3T3-L1 Cell Line738 Sattar J. J. AL-Shaeli, Ali M. Ethaeb, and James E Brown 133. Study the Risk Factors Associated with Prevalence of Allergic Rhinitis: Cross-Sectional Study.....	745
Shaymaa Hasan Abbas 134. Antibacterial Activity of Camel Milk Against Listeria monocytogenes in Pregnant Mice751 Shereen Hussein Ameen, Professor Azeez Khalid Hameed 135. Relationship Between Maternal Age, Gravida and Gestational Age with Premature Rupture of Membrane in Adolescent Pregnancy.....	756
Sigit Nurfianto,, Usman Hadi, Windhu Purnomo 136. Improved Drinking Water Safety using Ipomoea Carnea.....	761
Sri Poerwati, Ari Probandari, Joko Sutrisno, Ari Handono Ramelan 137. Association of Serum Cortisol and Testosterone Levels with Males Iraqi Smokers.....	767
Wafaa Sh. Al - Zuhairi, Ekhlas Abdallah Hassan,Alzahraa Ibrahim Abdulmajeed, Mohammed A. Farhan 138. Role of Red Blood Cell Distribution Width in the Diagnosis of Acute Pulmonary Embolism.....	774
Yasir Salah Jumal Alam, Zahraa Abdulaali Al-Mudhafar , Zainab Zuhair Al-Musawi , Sadiq J. Al-Muhana 139. Measurement of Self-Reported Fixed-Dose Combination Antituberculosis Drugs Therapy Regimen	781
Yuni Priyandani,, Abdul Rahem, M.Djunaedi, Umi Athiyah, M.B.Qomaruddin, Kuntoro 140. The Role of Some Vitamins in Iraqi Patients with Fibromyalgia Syndrome.....	786
Zuhair.I.Almashhadani, Ola Kamal A.Alkadir, Fekri N.Younis XI 141. Giant Unilateral Renal Angiomyolipoma with Fatal Exsanguination in an Obese Patient with Concurrent Multiple Follicular Cysts and Hyperthecosis of the Ovary.....	790
Sulong, Assuan A, Kaur, Mansharan, Feng, Siew-Sheue, Mahmood, Mohd S , Nawawi, Hapizah, Omar Effat 142. Determination of Polycyclic Aromatic Hydrocarbons in the Water of the Arvand and Bahmanshir Rivers in Iran.....	794
Maryam Shomalinezhad, Elias Dahdouh, Parizad Rezaei, Rozita Mostatab, Fatemeh Moghimizare, Razie Bahrami, Narges Chamkouri 143. Estimation of serum levels of some immunological and Heamatological changes in patient infected with Salmonella	

bacteria in Sammara city, Iraq.....	799 Moazaz Abd Alrida	
Majeed, Huda Shafeek Armeet, Khansaa Basem Fadhil 144. Computer Aided Design and Characterization of Novel Acetylcholinesterase Enzyme Inhibitor for Potential Utilize in Alzheimer's Disease Therapy.....	804 Hasanain Abdulhameed Odha, Mohammed Ridha	
A. Alhaideri, Radhwan M. Hussein, Hasanain Abdulameer Al-Rahmany, Sinan Forat Hussein, Werner J. Geldenhuys 145. Isolation and Identification of Bacteria from Patients with Eye Infection and Study of Some Inflammatory Cytokines in Patients.....	810 Zainab Nasser	
Nabat, Zainab Kareem Al-Kazazz, Thanaa Abdulmahdi Mokif 146. Evaluation of Malocclusion Pattern among Orthodontic Patients in Basrah City, Iraq.....	816 Dana R. Mohammed, Rawaa Saadoon Hashim, Sarah W. Al-Abbasi	
147. Simulation of Laboratory-Prepared Compounds as Anticancer Drugs from Quinazoline Derivatives.....	822 Hasan Tuhmaz 148. Association of IL-6 gene-174 G/C (rs1800795) Polymorphism with Juvenile Idiopathic Arthritis in Iraqi Patients.....	826
Sawsan Jassim Al-Harbi, Maysaa Adil Hadi, Kareem Hameed Rashid 149. Evaluation of Oxidative Stress Status : Total Antioxidant Ratio in Serum of Patients with Metastasis and Non-metastasis Lung Cancer in Babylon Province.....	832 Hamzah H. Kzar Mena Y. Abd , Manal M. Murad 150. Estimation of MDA and its Correlation with Homocysteine and Antioxidant Enzymes in Ovarian Cancer Patients.....	836 Talat
Tariq Khalil, Mohammed Abdulridha Ismael 151. The Impact of Physical Exertion on hormone secretion ACTH-TSH rate in Individual and Group Games for third-year students of College of Physical Education and Sports Sciences at AL- Muthanna University, Iraq	843 Asaad Tareq	
Ahmedhmd , Imad Azez Nashmie , Hazim Ali Ghazi 152. Common Oral Diseases, Aging and Oral Immunity.....	848 Esra Hassan Abd Ali, Maha Jamal Abbas,	
Hussain Owaid Mohammed XII 153. Role of Nanoparticles Applications as a Model in DNA Technologies; A Review.....	855 Mona N. Al-Terehi, Ayad F. Alkaim 154. Comparative Study of Electrolyte Levels in Hyperlipaemia Cases by Using Spectrophotometry and Ion Selective Electrode Techniques	861 Ali M.A. Al-
Kufaishi, Hadeel Alaa Al- rubaei , Noor J. T. Al- Musawi , Sanaa O. Al-Jelawi 155. Misuse of Pain Killer Drugs (Diclofenac Na) for in Patients with Hyperuricaemia and Other Risk Factors in Al- Najaf Province.....	866 Mohammed Abdulrazzaq	
Assi, Saad Saleem Raheem 156. The Relationship between Stroke and Some Biochemical Changes	870 Kadhmed Mohammad Sabae 157. Study of Phenotyping and Genotyping Characterization of Methicillin Resistant Staphylococcus Aureus Isolates.....	875 Sarah
Fawzi S. Al-Jumaily, Hadi R. Rasheed Al-Taai, Abbas A. Al-Dulaimi 158. Kastle-Meyer Test Enhancing Diagnosis of Occult Blood in Dentistry.....	881 Bassam Alsheekhly, Taghreed H. Al-Sadoon, Rehab Adil Al-rawi 159. Clarifying the Relationship of Serum Levels of Iron and Copper with Type 2 Diabetes Mellitus	885
Mohammed Abbas Hasan , Salam Waheed Ahjel , Hasanain Abdulhameed Odhar , Radhwan M. Hussein , Mohammed Ridha A. Alhaideri 160. Evaluation of the Role of Tranexamic Acid in Prevention of Postpartum Bleeding: A Case Control Study.889 Hayfaa Al-Nasrawi 161. Risk Factors for Umbilical and Paraumbilical Hernias in Al-Hilla Province	895 Ameer Salah Tawfeeq, Ameer Kadhim Al-Humairi 162. Characteristics of Malocclusion in Iraqi Children with Autism Spectrum Disorder.....	899 Maha Adil ALMusawi , Dhiaa Jaafar Al-Dabagh
163. The Sequence of TP53 Gene in Anemic Patients Associated with Toxoplasmosis.....	902 Salah	
Mahdi Hassan 164. Design and Study of Electronic Structural and Corrosion Inhibitory Action of New n-Conjugated Materials for Medical and Solar Cells Applications	906 Faeq A. AL-Temimej , Azhar S. Alaboodi 165. Placement of Feeding Practices with Special Emphasis on Breast-feeding for Children in Pediatric Hospitals at Thi-Qar Health Directorate.....	913 Oday Faris Washeel , Samair
Razzaq Alwi, Ali Hussein Abbas 166. Quantum Chemical Studies on the Molecular Structure and Electronic Properties of Rhenium Metal Complexes.....	918	
Hussein Neama Najeeb, Mohammed Abdul Ammer ALshareefi , Hamid Ibrahim Abbood 167. Study of Solvent Effects on the Uv/ Visible Spectra of A Newly Synthesized Azo-Dye5-(8- Quinaldinolazo)-Para Phenyl Acetic Acid	923 Intedhar Kathim Mohammed XIII 168. Effectiveness of an Instructional Program on Knowledge of Type 2 Diabetic Patient Toward Ocular Self – Care at Diabetic and Endocrine Center in Al- Nasiriya City.....	929 Abbas Fadhil Najee, Hakeema Shaker
Hassan 169. Genotyping of Acinetobacter baumannii by using BOX Method.....	934	
Rana Mujahid Abdullah, Rasha Zaid Tariq Ahmed , Shahla Najm Abed AL-Azzawi 170. Immune Modulation as A Result of Helminthes Infestation in Patients with Idiopathic Inflammatory Disease, Crohn's Disease and Ulcerative Colitis: Cases Control Study.....	939 Ghada Basil Ali , OsamahTahir Muslim, Abbas Ghafil Abbas 171. Impact of Preterm Labor upon Mother and Neonatal Healthy of Pregnant Women	946 Sarah Talib
Kadhim, Oday Faris Washeel , Doaa Samia Rashash 172. Mechanical Behavior of Room Temperature Vulcanized Maxillofacial Silicone Reinforced with Aluminum Oxide Nano Particles Before and after Artificial Accelerated Aging.....	952 Ahmed Aj. AbdulKareem, Thekra I. Hamad 173. The Association between Dental Caries and Some Salivary Parameters in Xerostomic Hypertensive Patients.....	958
Fawzi Al-Fatlawi, Maha Adel 174. Effectiveness of An Educational Program on the Physical and Health Status of Patients with Rheumatoid Arthritis Treated with Biological Therapy at Baghdad Teaching Hospitals.....	963 Hashim Jebur	
Abed AL-Kaabi , Prof. Khalida Alwan Mansour 175. Inhibition of Candida Fungi and E. Coli Bacteria in Zein Nanoparticles Conjugated with Silver ion (Ag ⁰⁺).....	969	
Ahmed Kareem Hammood Jaber, Ausama Abed Alkadhun Alajeely, Yasir Mahmood Ail 176. Measures Academic Stress among Undergraduate Nursing Students.....	973 Safi Al-Zeyadi , Saja H. Mohammed	
177. Assessment of Hemophilic Teenagers Life Style in Al Basrah City.....	978 Adil	
Ali Hussein, Mohammed Ahmed Sultan , Mohammed Baqer Hassan , Amer Abdullah Sachit 178. Impact of Parental Feeding Practices upon Autistic Child's Body Mass Index at Autistic Centers in Baghdad City.....	984 Mustafa	
Salih Abdulnabi , Khamees Bandar Obaid 179. Mothers' Knowledge Toward Home Health Care to Children who have Mild Diarrhea.....	990 Fatma Makee Mahmood , Selman Hussain Faris , Zahra M. Al-Hakak 180. Effectiveness of an Instructional Program on Knowledge for Patients with Chronic Obstructive Pulmonary Disease Toward Self-Care Management at Al- Hussein Teaching Hospital in Al- Nasiriyah City	997 Ahmed Yassein
Khadyr , Hakeem a Shaker Hassan 181. Study of the Influence of the Biochemical Parameters of Laboratory Rats Treated with Aflatoxin and Black Seed Oil.....	1003 Israa Harjan	
Mohsen , Athraa Harjan Mohsen XIV 182. Effects of Ethanolic Moringa Oleifera Extract on Melatonin, Liver and Kidney		

Function Tests in Alloxan-Induced Diabetic

<u>Rats</u>	1009 Sayran Sattar Saleh , <u>Entedhar Rifaat Sarhat</u> 183. Satisfaction of Family about Health Care Services in the Oncology and Blood Diseases Centre1014 Safi AlZeyadi, Fatma Makee Mahmood , Dehafaf Abd AL-Kazim 184. Quantitative Detection of Cytomegalovirus in Patients with Hospital Acquired Pneumonia in Al- Hilla/Iraq1020 Zainab Hashim Nasser , Huda H. Al-Hasnawy, Ali S. Baay 185. Comparative Study in detection of Toxoplasma Gondii on Soil Sample from Baghdad and Kut Cities by Using PCR.....1026 Dunya N. Ahmed , Salwa. S.Muhsin , Abudulla .I. Chiyad 186. Effectiveness of an Educational Program on Head Nurses' Knowledge about Nursing Leadership at Medical City Hospitals in Baghdad City.....1031 Enas Ghany Abdulhussein, Wissam Jabbar Qassim 187. The Role of PLEKHM1 in Salmonella enterica sv. Typhimurium infection.....1036 Ohood Aqeel Radhi 188. <u>Effectiveness of an Instructional Program on Knowledge of Patients with</u> Renal Failure Undergoing Hemodialysis Concerning Self- Care in Baghdad Teaching Hospital1043 Mustafa. G. Khaleel, Hakema. S. Hassan 189. Evaluation of Prescribing Practice at Secondary Care Units in Annajaf Governorate, Iraq.....1049 Ali Mohammed Abd Alridha, Hayder Chassib Assad, Karrar Mohammed Hasan Al-Gburi, Abulfadhel Jaber Neamah Al-Shaibani, Karrar Talib Khudair Albo Hamrah 190. Impact of Childbirth Classes Regarding Labor Knowledge and Practices on Primigravida Woman Outcome in Al-Elwiya Maternity Teaching Hospital.....1055 Huda Abdul Jaleel Ahmed , Assist. Prof.Dr. Suhad H. Khairi 191. Nurse's of knowledge toward respiratory distress syndrome to have children Maysan Hospital for Child and Childbirth.....1062 Mustafa Salim Abdul Alridh , Aqeel AZeez Arrar , Ghazwan Abdulhussein Al-Abedi 192. A Cohort Study of Cervical Incompetence and the Best Choices of Treatment to Avoid Preterm Labor....1068 Qatarulunada Khdheir Abbas Alhashimi 193. Determination of Lethal Effectiveness of (Thymus Vulgaris) Oil Against Major Oral Pathogen Using Different Assay: In Vitro Study.....1073 Najah Ali Mohammed 194. The Arg399Gln (rs25487) Polymorphism of XRCC1 Gene as a Predictor for Uterine Leiomyoma in Women of Babylon Province/ Iraq.....1078 Lamees Talib Tajuldeen, Haydar Hashim Alshalah, Nadia Mudher Al-Hilli 195. <u>Teratocarcinoma-Derived Growth Factor-1 (TDGF-1): A Guide Molecule for</u> <u>Monitoring the Treatment Success of Iraqi Patients with Colorectal Carcinoma</u> 1085 <u>Abdul-Rahman M. Geeran Al-Fahdawi</u> , Mohammed A.Hamad, Eman M.Rasheed Al-Hadithy XV 196. Application of Continuous Wave ND - YAG Laser for improving Surface Roughness of Cp-Titanium....1090 Ali N. Ahmed Hussein , Raghdaa K. Jassim 197. Candida of Medical Importance Isolated from Cancer Patients1095 Hussein Al-Nasrawi 198. The Effect of L-Arginine on Amniotic Fluid Index in Pregnant Women with Oligohydramnios.....1101 Rana Hatem Matrood AlKhazraji, Alaq Saeed Abdulhussain , Mohammed Habeeb Hachim 199. Evaluation of Postobturation Apical Microleakage Following Intracanal Irrigation with Collagen Cross-Linker Agent "Proanthocyanidin". (An In Vitro Study).....1106 Hamid kasim , Abdulla M.W. Al-Shamma 200. Assessment of (PEEK) Composite as A Dental Implant (in Vitro Physical Properties)1111 Thekra I.Hamad , Mustafa M. Jassim 201. The Value of Low Dose Oral Tranexamic Acid in the Treatment of A Sample of Iraqi Patients with Melisma.....1117 Asmaa AbdulJaleel Swadi, Akeel Hamed Jabur 202. Assessment of Women's Psychological Health with Hysterectomy at Maternity Hospitals in Baghdad City.....1122 Lina Sheehan Rassi , Qahtan Q. Mohmed , Hawraa Hussein Ghafel 203. Rational Drug Use in Pediatric Wards of Al-Najaf City: A Prescribing Audit and a Comparative Study with National and International Practices.....1128 Ali Mohammed Abd Alridha, Karrar Mohammed Hasan Al-Gburi, Abulfadhel Jaber Neamah Al- Shaibani, Taf Ali Abdulridha, Mustafa Haider Muhsin. 204. <u>Immunohistochemical Expression of TGF-β1 and Ki-67 in a Paraffin-Embedded Section of Breast Cancer</u> <u>Tissue</u> 1134 <u>Abdulameer K. Leelo</u> , Hawraa A. K. Leelo 205. Influence of TLR4 Polymorphisms on Susceptibility to UTI Caused by Gram Negative Bacteria in Pregnant Women.....1140 Mohammed A.K. Al-Saadi, Nadia M. S. Al-Hilli , Nazar A. Sheriff 206. Knowledge and Attitudes regarding Antibiotic Use and Resistance among Nursing and Dentistry Students in Babylon University/ Iraq.....1145 Sadiq Salam H. AL-Salih, A. Prof. Dr. Nada KhazalKadhimi Hindi , Zainab Hasan Abdul Kadhim , Saja Taha Naji , Ahmed Sabar Abbas, Zainab Saeed Jassem, Zainab Fadil Ali 207. <u>Detection Some Pathogenic Bacteria Causing UTI in Type 2 Diabetic Patients and Determine Some Resistance</u> <u>Genes in Escherichia coli by PCR in Kirkuk City</u> 1151 <u>Asma Samea</u> Afram, <u>Wafaa Abdulsahib</u> 208. Determination of Proinflammatory Cytokines and Complement in Rats With Induced Osteoarthritis.....1156 Hyam Sajjed Ghaneam, Wafaa S. Shani, Maha K. Al mallak 209. Two-Stage Gene Selection in Microarray Dataset Using Fuzzy Mutual Information and Binary Particle Swarm Optimization.....1162 Mustafa Ayham Abed Alhafedh , Omar Saber Qasim XVI 210. Angiotensin-like protein-2 and IL-17 Association with Liver Fibrosis in Patients with Chronic Hepatitis B.....1172 Shehab A. Jabar, Sura A. Abdulsattar, Safaa A.A.Razzak Alwaisy 211. Anti-Bacterial Effect of Water Iraqi Ginger Extract on Staphylococcus and Streptococcus.....1179 Amaal M. Khudaier , Juman Khaleel Al-Sabbagh , Jassim M. Khalaf Albozachri 212. Assessment of Children upon Suffering from Withdrawals Signs in Baghdad City, Iraq1183 Abdulmahdi A. Hasan 213. Association between Mode of Delivery and Body Mass Index in a Cohort of Iraqi Pregnant Ladies: Cross Sectional Study.....1188 Nibras Naser Hasan 214. Factors that Leading to The Schizophrenic Patient to Leave Psychotherapy.....1194 Abdulmahdi A. Hasan 215. Histopathological Effects of Staphylococcus aureus- derived hyaluronidase Enzyme in Albino mice.....1199 Wasan Abdulwahab Alsadi, Khawlah Jebur Khalaf, Majid M.Mahmood 216. <u>Molecular Study of Toxoplasma</u> <u>gondii and its Relation to Blood Features in Aborted Women in Al-Qadisiyah</u> <u>Province</u> 1203 <u>Saafa Rissan</u> <u>Abdullah Al-Kaeabi</u> 217. Oxidative and Antioxidant Status in both Serum and Saliva of Patients with Idiopathic Facial Weakness (Bell's palsy).....1208 Ali Mihsen Hussein Alyassiri, Taghreed Fadil Zaidan 218. Preparation of Porous Silicon Photodetector Enhanced by Ag Nanoparticle to Protect Medical Personnel.....1214 Ahmed S. Ahmed 219. Prevalence of Pathogenic Fungi of Endemic Termites in the Environment of Saladin Governorate in Iraq.....1218 Abdullah A. Hassan, Muqdad S. Jasim 220. Raise the Level of Care for Parents of Children with Autism.....1225 Oday Faris Washeel, Sameer Razak Olawi, Hiba Jasim
-------------------	--

Hammod 221. Risk of Myocardial Infarction in Spondyloarthritis and Osteoarthritis Patients Using NSAIDS.....	1232
Rafid Hadi Hameed 222. The Single Nucleotide Polymorphisms (rs1929992) in IL-33 is Associated with Gynecological and Breast Cancer.....	1238
Ifad K. AL-Shibly, Bushra J. Alrubae, Mays Hadi Jebur 223. Synthesis, Characterization and Photo-Kinetic Study of DiphenolSchiff Base and its Metal Complexeswith (Co+2, Ni+2, Cu+2) Ions.....	1244
Bayader F. Abbas, Alaa E. Sultan, Salah M.Abdullah, Nadir F. Habubi XVII 224. Effect of Aqueous Extract of Clove Syzygiaromaticum Against Pathogenic Fungus Alternariaspp. Isolated From Skin Infections.....	1252
Asia Naji Obaidal-Hachami, Jaafar Jumaah Hassoni 225. Effect of Oxygenated Water Alone or with Vaccines and Antibiotics on Immune Response Against Viral Diseases and Intestinal Microflora Community in Broiler Chickens.....	1257
Raad Hatem Razooqi , Basheer Abdullah Nasrullah, Hyder Kadhim Shakeer, Mohammed Jabar Ahmed, Qussay Mousa Jaafar, Akram Hayder Oleiwi1 and Salman Dawood Mahmood 226. Urogenital Infection and Male Infertility: The Presence of Leukocyte in Semen is Associated with Decrease Fertilization Potential of Human Spermatozoa in Infertile Patients affected with Leukocytospermia.	1262
Bassim Khamesh Kuoti Al-Rekabi , Enas Saleh Jawad , Ghayyib Faisal Aneed Rafid Remthan Hussein 227. Study of Some Microbial Contents of Crisps & Cakes Specimens which Available in Supermarkets.....	1268
Rasha N. Jawad, Mohammed Flayyih Tareef, Nihad Khalawe Tektook 228. Assessment of Student's Knowledge and Beliefs about Patients' Rights.....	1275
Kareem Gh. Sajem 229. A Comparative Study between Traditional and Innovative Medical School Students Perceptions and attitude Regarding the Effectiveness of Patient Safety in Medical Education	1281
Wafa Mahmood Jasim 230. Clinical Study of Some Bacteria and Fungi that Cause Vaginitis in Al-Khalis City.....	1289
Farah Ali Hameed 231. Sero-prevalence of Helicobacter Pylori among Staff & Students in Faculty of Pharmacy.....	1295
Qabas Neamah Al-Hajjar, Haider Turkey Al-Mousawi 232. Conventional and molecular diagnosis of oral candidiasis in Iraqi Patients	1301
Khairi Jameel AL-Ruaby, Russul Wassit Kadhum 233. Relationship between Smoking and Some Common Diseases and Health Programming to Quit Smoking in Technical Institute in Mosul - Iraq	1307
Khalidah Nayyef Mustafa 234. Epidemiological Analysis and Evaluation of the Effectiveness of the Mumps Surveillance Programme Adopted in Babylon Province during the Year 2017.....	1313
Laith A.I.K. Al-Kaif , Younis A.K. Al-Khafaji, Saif A.J. Al-Shalsh, Hayder A.A. Al-Asadi, Maryam H.M.S. Al-Janabi, Ahmed M. Obaid 235. Histological and Fluorescent Microscope Studies for Evaluation of Carbon Accumulation in Lymphatic tissues in Birds within Polluted Areas (Anasplatyrhynchos).....	1319
Rafel F.J Aleiqabi, Shahad Q. Al-Hamadiny, Khalied Y.Z. Al-Zamily, Melad Al-awsy, Safaa A. Faraj, TayseerShamran Al-Deresawi, Saja Hussain Dilfi 236. Hormones FSH, LH Relationship Polycystic Ovaries Syndrome(PCOS) and Delay Pregnancy in the Woman.....	1324
Noor1Nemia Hafed XVIII 237. Determination of Obstructive Sleep Apnea (OSA) among Type 2 Diabetes Mellitus at Diabetic and Endocrine Center in Al-Nasiriyah City.....	1329
AmerMuhssen Nasir, QassimJawellOdah Abed 238. Obstetrical and Medical History of Pregnant Women with Toxoplasmosis in Al-Najaf Province, Case-Control Study.....	1334
RaadAjam Sayal, Atheer Kadhim Ibadi, HumamKasem Hussein, Ameer SadeqYasir 239. Study The Phytochemical Analysis and Modulatory Effects of Hydroalcoholic Extract of Morus Plant Leaves on Mental Depressive Disorder	1342
Salma Jameel Askar 240. Study of Relationship between Asthma and Obesity in Al Zahraa center for asthma Allergy in Baghdad City.....	1348
SuraOkab Yousif, SameehaNaser Abed, Hamid Kareem ALJanabi 241. Level of Interleukin -6 and Interleukin -1 1B Associated Bacterial Burn Infections Patients in Al- Kindy Hospital.....	1355
Nihad Khalawe Tektook, Abdulrazzaq A.Waheeb, Aasem Mohamed Al-Byti 242. Anti-inflammatory and Analgesic Activities of the Heart of Date Palm Extract in-vivo.....	1360
Sarhan R Sarhan, Orooba M.S. Ibrahim 243. Nursing Students' Knowledge about Risk Factors of Infection among Patients with Hematologic Disorders at College of Nursing, University of Baghdad.....	1366
Shaymaa M. Hussein 244. Antiolithiatic Activity of the Plant Extracts Ofannonaoon Ethylene Glycol Induced Urolithiasis in Rabbits.....	1371
Shihab A. Al-Bajari, Huda A. Younis, Sama A. Raof 245. Therapeutic and Identification Study of Tinea Capitis Infection in Basra City.....	1377
Shrouka. AL-Ibraheem, NasirA. AL-Mansor, Kadhim K.AL-Rubaie 246. Prevalence of Vulvovaginitis Caused by Candida Krusei and Candida Glabrata among Pregnant and Non-Pregnant Women in Tikrit City.	1384
Thakra Ahmed Hamada, Raghad Saad Abdulkareem, Wisal R. Yaseen Al-Hayali 247. Toxicopathological Effect of Paraquat (PQ) and olive oil as antioxidant on Adult Albino Male Rats Epididymis.....	1389
Zainab Jamal Mohammed Jawad, Zainab Ismail Ibrahim 248. Nephrotoxic Effect of Antipsychotic Drug Risperidone : Protective Role Extract of Urtica dioica leaf in Male Stressed Rats.....	1393
Zinah Mohammed Al-Shammari 249. Molecular Marking of Liver DNA Methylation in Rat's with Thyroid Carcinoma.....	1400
Najat Mohammed Flayyih ; Ahmed Alobaidi; Rasha N. Jawad; Nihad Khalawe Tektook XIX 250. Assessment Infectious Incident for Mumps Epidemic among Iraqi Population in Statistics Center of the Iraqi Ministry of Health	1403
Shatha Mahmood Niazi ,Asmaa Ibadi Salman, Abeer Abed Gatea, 251. Isolating and Diagnosis Some Genus of Fungi that Found in Environment Air and Soil in Different Region of Wassit City.....	1408
Nadhum Trat Abood 252. Investigation of DNA Changes in Chronic Myeloid Leukemia (CML) Patients Using Molecular Techniques.....	1413
Haider Y Lafta; Risala H Allami; Nayama H Zayer ; Amel JMutter; Mahdi Ch Juma 253. Mobile Games Effects on Visual Acuity of Primary School Students and the Role of Chewable Multivitamins in the Improvement.	1419
Osamah Jihad Abdul Qader Nisreen Mohammed Ibraheem 254. Torque Teno Virus (TTV) as a Risk Factor in Hemodialysis Process in Kirkuk.....	1425
Nuha M. Wahid, Israa H. Saadon 255. The Relative Contribution of Residual Renal Function to Phosphate and Calcium Metabolism in Maintenance Hemodialysis Patients.....	1432
Ibrahim A. Ali Al Sabawi, Mohammad Ghalib Zakari, Suad Al- Windawi 256. Thyroid Function Test Abnormality in Patients Using Sodium Valproate.....	1438
Abdulsattar Hussein Abdullah, Mohamed Ghalib Zakari, Ayied Mutob Turki 257. Study the Correlationbetween the Period Response of Iraqi Patients and Therapeutic Regime (Oral Triamcinolone Only Compared with used both Systemic Dapsone and Triamcinolone) Inminor Aphthous Ulcer (MAU).....	1445
Anas Ahmed Saleh 258. Color Changes in Dry Pigmented Tech-Sil25 Maxillofacial Elastomer after Artificial Weathering.....	1450
Shahad Fadhel Bunyan, AkhlasZeidAbood 259. Implication of Silver Nanoparticles to Enhance the Potential Therapeutic Activity of	

Doum Palm (Hyphaene Thebaica) Extract for in vitro Sperm Activation of Asthenozoospermic Infertile Men.....	1456
Nabaa Al-Nawab, Saad S. Al-Dujaily 260. Study of Isolated Bacteria from Burn Wound of Patients Attended Plastic Surgery and Burns Unit.....	1462
Aasem Mohamed Al-Byti ; Saygin Abdulkadir Chakmakchy; Abdulrazzaq Abbas Waheeb; Muhannad Abdullah Alazzawy 261. Non Significant Difference in Parathyroid Hormone, Calcium or Phosphat Levels Inpatients with Chronic Kidney Disease on Conservative or Replacement Therapeutic Modalities.....	1467
Ahmed Methab Athab ; Buthaina Atya Rashid ; Anwar Ibrahim Mohammed 262. Correlated between Level of IL – 17 and Total Immunoglobulin (IgE) in Hay fever (H.F) Iraqi patients..	1474
Ghaydaa Abdulwahed Awadh AL-Tikrity 263. Influence of Disinfecting Solutions on the Surface Roughness of Zinc-Oxide Eugenol Impression Material.....	1479
Israa Mohammed Hummudi XX 264. Evaluate Some Biochemical Variables of Obese Iraqi Children in Baghdad City.....	1483
Shatha H. Jwaid 265. Implication of Silver Nanoparticles to Enhance the Potential Therapeutic Activity of Doum Palm (Hyphaene Thebaica) Extract for in vitro Sperm Activation of Asthenozoospermic Infertile Men.....	1488
Nabaa Al-Nawab, Saad S. Al-Dujaily 266. Assessment of Melatonin and Oxidant-Antioxidant Markers in Infertile Men in Thi-Qar Province.....	1494
Khalid G. Washeel Entedhar R.Sarhat, Talal H. Jabir 267. Case Control Study: Estimation of Vitamin D Deficiency in Relation to Urinary Stones Formation among Tikritmale Population.....	1499
Nihad NejreshHilal; MohammedMohsin; Nisreen M. Ibraheem; Shihab A. Suleiman; Hiba S. Assim Farah Y. Ahmed 268. Impact of Aspirin Suppositories on Fertility in Female Mice.....	1505
Sally Adnan Mousa AL-Rekabi ; Wasan TalibAbed ; Noor Noori Abid Al-shemary 269. Detection of anti-rubella IgM, IgG and Antisperm Antibodies in the Sera of Aborted and Non- Pregnant Women in the Kirkuk City.....	1510
Wasan Talib Abed , Sally Adnan Mousa 270. Direct Molecular Detection of Gardnerella Vaginalis and Lactobacillus Spp. in Women with Bacteria Vaginosis.....	1516
Asmaa M. S. Al-Bayati 271. Intra-Articular Hyaluronic Acid Injection Versus PRP Injection Regarding Cost-Effectiveness in Treatment of Osteoarthritis of the Knee (OAK) in Salah- Aden Province.....	1521
Tariq Ismaeel , Ali Abdulrazzaq Mohammed , Adil Bdaiwi Hasan, Ali Abdulrazzaq Mohammed , Adil Bdaiwi Hasan 272. The Role of Religious Leader Support on Voluntary Counseling and Testing (VCT) Behavior of Individuals at Risk of HIV/AIDS in Kupang City, Indonesia.....	1527
Imelda F.E. Manurung, Ari Probandari, Chatarina Umbul Wahyuni, Heru Santoso Wahito Nugroho 273. Self Care Management Client DM Type 2 in Tambakrejo Community Health Center, Surabaya.....	1533
Adin Mu'afiro , Joko Suwito , Kiaonarni Ongko Waluyo, Irine Christiany 274. Malaria Incidence in Central Halmahera District, North Maluku Province, Indonesia: A Descriptive Study.....	1538
Abdul Gani Raflythenu, Chatarina Umbul Wahyuni, M.Atoillah Isfandiari, Rijja Rajana 275. Pharmacist's Knowledge of Pulmonary Tuberculosis in a Cross Sectional Survey at Primary Health Care Centers in Surabaya, Indonesia	1546
Yuni Priyandani,, Abdul Rahem, M. Djunaedi, Umi Athiyah, M. B. Qomaruddin, Kuntoro 276. Design of Digital Percolation Meter to Determine The Water Absorption Rate (The Technology of Environmental Health).....	1551
I Dewa G. H. Wisana, Winarko, Budi Pramono XXI 277. The Comparison of Diet Menu Quality Based on Red Rice as a Staple Food Using Glycemic Response Variables.....	1557
Nurul Hakimah, Mahmud Yunus, Sucipto S., Wignyanto W., Aulanni'am A 278. Interpersonal Influence Against Prevention of Preterm Labor in Kediri, Indonesia.....	1563
Lumastari Ajeng Wijayanti, Musta'in Mashud, Windhu Purnomo 279. Psychological Needs of Adolescents in the Orphans.....	1566
Siti Nur Kholifah, Dwi Ananto Wibrata, Suprajitno, Loetfia Dwi Rahariyani 280. Equality of The Political Rights of People with Mental Disorders (PWMD) in General Elections.....	1571
Nofi Sri Utami, Nanik Prasetyoningsih, Arief Hidayat, Ni'matul Huda, Suteki Suteki, Retno Saraswati, Arief Budiono 281. Dominant Factors in the Premature Labor Incident in RSU Haji Surabaya.....	1576
Sri Utami, Dwi Purwanti, Lusiana Aprilia 282. Bioactive Wood Potential (Caesalpinia sappan L.) in The Proliferation of Wistar Rats in Infection Salmonella Typhimurium.....	1579
Pestariati, Edy Haryanto, Dwi Krihariyani 283. Maternal Knowledge and Motivation in Conducting Toilet Training for Toddlers.....	1582
Nurlailis Saadah, Budi Yulianto, Dhiana Setyorini, Uswatun Khasanah 284. Risk Factor of Early Death in Diabetic Terminal Renal Failure Patients Receiving Hemodialysis.....	1585
Riza Muhammad Zulham, Santi Martini, Sri Widati, Widodo 285. The Completeness of Nursing Care Documentation in Fakfak Hospital.....	1591
Inggerid Agnes Manoppo, Triani Banna 286. Development of Diagnosis Determination Model in Nursing Process based on Patient Centered Theory..	1596
Moch Bahrudin, Ni Luh Putu Eka Sudiwati, Tanty Wulandari 287. Oxygen Therapy to Maintain Intracranial Pressure in Acute Phase of Traumatic Brain Injury.....	1600
Dwi Adji Norontoko 288. Progressive Muscle Relaxation and Symptoms of Women with Breast Cancer Undergoing Adjuvan Chemotherapy.....	1605
Hepta Nur Anugrahini, Djohar Nuswantoro, Sriyono 289. The Analysis of Active Carbon Life Time as an Adsorbent of Dust/Particulate through Cyclone Ventilator Modification.....	1611
Khambali, Setiawan, Kuat Prabowo 290. The Model of Type-2 Diabetes Mellitus Prevention based on SECI-Knowledge Management.....	1616
Hotmaida Siagian , Yetti Wilda , Dony Sulystiono 291. Stress of Brain Mapping in Elderly People Before and after Giving Horticultural Therapy in Planting Flowers.....	1622
Dyah Widodo , Edi Widjajanto , Tatik Wardiyati , Ah. Yusuf XXII 292. Breastfeeding Model in Madurese Viewed from Culture Capital and Lifestyle According to Pierre Bourdieu.....	1627
Evi Pratami , Ervi Husni , Dina Isfentiani 293. Main Problems of School Nutrition.....	1633
Farida Smolnikova, Eleonora Okuskhanova, Mars Khayrullin, Olga Pasko, Svetlana Zhukovskaya, Yulia Zubtsova, Elena Yakunina 294. Factors in Correlating with Occurrence of Pulmonary Tuberculosis at Several Public Health Centers in North Gorontalo District.....	1639
Dewi Kartika, Fifi Ishak, Andi Akifa Sudirman, Andi Nur Aina Sudirman, Harismayanti, Firmawati, Rona Febriyona 295. Gluten Free Mixed Flour as a Substitute for Wheat Flour to Reduce Gluten Intake in Autism Spectrum Disorder Children.....	1644
Eny Sayuningsih, Nur Hatijah, Aliffah Nurria 296. The Role of Family Motivation on Increasing Family Services with Cerebral Palsy Children at YPAC Makassar.....	1650
Yonathan Ramba, M. Bagus Qomaruddin, Dewi Retno Suminar 297. Hypnoparenting Method to Increase Vegetables and Fruits Consumption in Kindergarten.....	1655
Erlin Puspita, Nurhayati, Siti Rahmadani 298. Enhancing Health Quality of Islamic Boarding School Students through Hygiene Practices in Depok and Banten, Indonesia.....	1661
Emy Rianti, Agus Triwinarto, Ahmad Rodoni, Elina 299. Transforming Nursing Education and Practice: a Review on the Innovation	

Strategy towards Sustainable Primary Healthcare Workforce.....1668 Joel Rey U. Acob 300. [Effectiveness of a Patient Safety Culture Based Leadership Model on Incident Reporting and Learning about Patient Safety](#).....1672 Tutiany, Ani [Nuraeni](#), Mumpuni, Ridwan [Setiawan](#), Heru Santoso Wahito [Nugroho](#) 301. Dominant Factors of Ventilator Associated Pneumonia (VAP) in ROI, Dr. Soetomo Hospital, Surabaya.....1677 Dwi Utari Widyastuti, Hepta Nur Anugrahini 302. The Incidence of Premenstrual Syndrome based on Physical Activities and Nutritional Status.....1682 Deasy Irawati, Novita Eka Kusuma Wardani, Fitriah 303. Effectiveness of Oxytocin Massage and Breast Care Treatment on Breast Milk Production.....1687 Feftin Hendriyani, Suryaningsih, Agung Suharto 304. Potential Formula D'Anlov as Food Preserve.....1692 Mujayanto, Rizka Ayu Bella Septiana, Sitta Elen Nuraningtyas, Rahmi Riskiyanti, Wanidya Dwi Nur Utami, Inka Febriana, Juliana Christyaningsih 305. Energy Adequacy and Portion Standards to Achieve Good Nutritional Status for Elderly in Nursing Home.....1698 Nuning Marina Penge, Nur Hatijah, Taufiqurrahman XXIII 306. Effectiveness of Baby Massage and Spa on Increasing Weight of Baby with Malnutrition1703 Suryaningsih, Rodyyatun 307. Preeclampsia and Low Birth Weight Incidence in Dr. Soewandhie Hospital, Surabaya.....1708 Sukesi, Titi Maharrani, Sriami, Diyas Windarena 308. The Effect of Ethanol Extract Black Cumin (Nigella sativa) on Renal ET-1 and eNOS Expression Mice Preeclampsia Model.....1712 Titi Maharrani, Sanarto Santoso, I Wayan Agung Indrawan, Deasy Irawati, Sukesi 309. Early Detection Score of Preeclampsia Risk1717 Dhiana Setyorini, Budi Santoso, Santi Martini, Ernawati, Intim Cahyono 310. Reproductive Risk Factors of Preeclampsia.....1722 Intim Cahyono, Dhiana Setyorini 311. The Accuracy of the Treatment and the Incidence of Diabetic Coma.....1726 Kionarni Ongko Waluyo, Adin Muafiro, Irine Christiany, Nuris Fitria H 312. Risk Factors for Malaria Incidence in Kairatu Sub-District.....1731 Sahrir Sillehu, Wiwi Rumaolat, M.Taufan Umasugi, Sunik Cahyawati, Asih Dwi Astuti, Dewi Kartika, Heru Santoso Wahito Nugroho 313. Social Capital Strengthening Strategy as A Sustainable Community Empowerment Development (Review of Socially Healthy Life).....1735 Sutomo, Sanggar Kanto, Darsono Wisadirana, Sholih Mu'adi 314. Dental Caries and Oral [Health Related](#) to [Quality of Life of Children with Disabilities](#).....1739 Siti Fitria Ulfah, Agus Marjianto 315. Trauma Healing during the Earthquake Disaster Emergency Response Phase in Lombok, Indonesia.....1745 Hery Sumasto, Suparji, Nurwening Tyas Wisnu, Ayesha Hendriana Ngestiningrum1, Setiawan, Bambang Hadi Sugito, Mohammad Najib 316. The Effect of Training Development Program on Nurse Performance at RSII Cempaka Putih through System Dynamics Model.....1749 Budi Hartono, Nisa Afriza 317. The Increasing Role of Teacher towards Dental Health Care of Special Need Student in First and Second Grade.....1754 Ida Chairanna, I. G. A. Kusuma Astuti 318. Mentoring and Social Interaction Abilities of Adolescents with Speech Impairment1759 Suriana, Hasyim As'ari 319. [Antenatal Care Utilization Model in Public Health Center of Surabaya](#).....1763 Hilmi [Yumni](#), Fendy [Suhariadi](#), Oedojo [Soedirham](#) 320. [The Role of Nurses in Continuous Improvement Patient Safety in the Operations Room of Dr. M. Soewandhi Hospital, Surabaya](#).....1771 Endang [Soelistyowati](#), Siswari [Yuniarti](#) XXIV 321. The Law and Tourism: The Policy of Health Service for Tourists in Lombok Island1775 Usman Munir, Khudzaiyah Dimiyati, Absori Absori, Harun Harun, Wafda Vivid Izziyana 322. Peanut Sucrose for Modifications Medium on Growing of Candida Albicans and Tinea Versicolor.....1780 Retno Sasongkowi(CA), Juliana Christyaningsih, Suliati 323. The Effects of Foot Exercise to Distal Sensorimotor on Diabetic Peripheral Neuropathy.....1787 Sri Wahyuni Awaluddin, Muhammad Ardi, Ridzka Ayyanur Zabitha 324. Conducting a Path analysis of Virtual Service Provider Office Management (VSPOM) Structure for Service Plan in the Regional Health Service in Thailand.....1793 Phongpisanu Boonda 325. The Influence of Drinking Water as Prevention of Dehydration of Metal Processing Workers at PT. Multi Instrumentation.....1800 Ratna Dian Kurniawati, Suherdin, Tiara Yulianti Hidayat 326. Ethical Climate of Operating Room of Educational Hospitals Affiliated To Ilam University of Medical Sciences from the Point of View of Anesthesia and the Operating Room Students.....1806 Fatemeh Ghiasi, Fateme Merati Fashi 327. A Global Integrative Review on Validated Elderly Abuse Assessment Tool1811 Joel Rey U. Acob, Heru Santoso Wahito Nugroho 328. [Model of Family Role and Potency Strengthening to Improve The Adapatability of Family Member with Mental Disorder](#).....1815 Fitriah, [Mustofa](#) Haris, [M. Hasinuddin](#), Mufarikah, [Sitti](#) Sulaihah 329. Trigger Stressor among Patients Coronary Heart Disease (CHD).....1820 Loeffia Dwi Rahariyani, Nikmatul Fadlilah, Asnani, Siti Nur Kholifah DOI Number: 10.5958/0973-9130.2019.00529.2 Bioactive Wood Potential (Caesalpinia sappan L.) in the Proliferation of Wistar Rats in Infection Salmonella Typhimurium Pestariati1, Edy Haryanto1, Dwi Krihariyani1 1Health Polytechnic of Surabaya Abstract The purpose of this study was to determine the bioactive potential of secang (Caesalpinia sappan L.) wood against lymphocyte proliferation of wistar rats infected with Salmonella typhimurium. Bioactive secang wood (Caesalpinia sappan L.) has an effect, among others, as an antibacterial. Salmonella typhimurium is one of the bacteria that can cause gastroenteritis. This research was a laboratory experimental research using wistar rats which were divided into 6 groups, P0 group (1, 2, 3) is a positive control group. The P1 treatment group was given secang wood extract with a dose of 2x0.20 ml / day, P2 was given 2x0.50 ml / day, P3 was given 2x1ml / day for 2 weeks. Then wistar rats infected with Salmonella typhimurium as much as 3x10⁸ CFU / ml Mc Farland on day 13. It was incubated for 24 hours, followed by counting lymphoblasts in 200 cells on day 14. The results of Kruskal Wallis test showed no difference [between the treatment group and the control group \(p = 0. 035\)](#). [There was a significant increase in the number of lymphoblasts in the treatment group \(p = 0.001\)](#) with [the control group](#). The administration of secang wood extract can increase lymphocyte proliferation of wistar rats infected with Salmonella typhimurium. Keywords: Secang wood (Caesalpinia sappan L.), lymphocytes, Salmonella typhimurium Introduction Infectious diseases, especially those caused by bacteria, are still important health problems, especially in developing countries like Indonesia. Antibiotic administration has indeed provided many benefits in controlling bacterial infections, but overuse of antibiotics can also cause double resistance(1). Another effort that can be done to control infectious diseases is by increasing endurance. Increased immune system can be done by regulating immune response (immunopotential), by using natural ingredients which are an attractive alternative for the prevention and treatment of infectious diseases. One plant species that can be used as an immune system booster is secang wood (Caesalpinia sappan L.). Corresponding author: Pestariati (pestariati@gmail.com) Address: Pucang Jajar Tengah Street-56, Surabaya, Indonesia Secang wood is a plant of the family Caesalpiniaceae which is commonly found in Indonesia. Secang wood is empirically [known to have many healing properties](#) and [is often consumed by the community as a health drink](#). Secang [wood contains compounds](#) in the form of brazil ([C16H14O5](#)), [sappanin \(C12H12O4\)](#), [brazilein](#), and [essential oils such as D-α- phelandrena, gallic acid](#), osinema, [and resin](#). Secang [wood has a reliable antioxidant](#) power with an antioxidant index of water extracts of secang wood higher [than commercial antioxidants \(BHT and BHA\) so that it has the potential as an antidote to free radicals](#). Salmonella has a specific host, Salmonella typhi and paratyphi are only pathogens to humans, whereas Salmonella typhimurium is only a pathogen against mice and provides a pathogenicity similar to human typhoid fever. Therefore Salmonella typhimurium infection in wistar rats can be used as a model for experimental studies of typhoid fever(2).

Lymphocyte cells are cells with large and round nuclei and have little plasma. It has been calculated that [Indian Journal of Forensic Medicine & Toxicology, October-December 2019, Vol. 13, No. 4](#) 1580 in humans about 3.5×10^{10} lymphocytes daily enter the control group, P01 was given stimuno with a dose of blood circulation. Size varies from 7 to 15 microns. The 2×0.20 ml / day, P02 was given 2×0.50 ml / day, P03 amount of 20-25% of all leukocytes in the circulation of was given 2×1 ml / day for 2 weeks. The P1 treatment human blood, consists of T cells and B cells(3). group was given secang wood extract at a dose of $2 \times$ Lymphocyte cells are able to survive for years. 0.20 ml / day, P2 was given 2×0.50 ml / day, P3 was Lymphocyte cells are specific immune responses given 2×1 ml / day for 2 weeks. On the 13th day all consisting of humoral and cellular responses. Humoral Wistar rats were infected with Salmonella typhimurium response is carried out by B lymphocytes, which 3×10^8 CFU / ml Mc Farland and incubated for 24 can produce antibodies as an immune response, hours. Then on the 14th day, anesthesia was performed while cellular immune responses are carried out by T on all wistar rats with ether. Furthermore, surgery and lymphocytes, which can produce lymphokines that removal of spleen are made to make preparations and can reject the presence of foreign bodies. examination of lymphocyte proliferation in the spleen. Lymphocyte examination was done by counting the Lymphocyte proliferation is a marker of the number of lymphoblasts in 200 cells (lymphoblasts activation phase of the body's immune response. This and lymphocytes) in a homogeneous area using a light lymphocyte proliferation is an increase in lymphoblast microscope with an objective 400 times in the control production which will later become lymphocytes. and treatment groups. Macroscopically seen enlargement of lymphoid organs. The spleen becomes soft and swollen due to lymphocyte Results and Discussion proliferation in the red pulp and infiltration of neutrophils Lymphoblasts are identified as large cells with and macrophages into the spleen. Spleen lymphocyte nucleated nuclei, chromatin has not been solid activation is caused by the immune response and the (light purple) and cytoplasm is still visible, whereas role of macrophages and NK cells(4). lymphocytes are smaller in cell size with solid Proliferation in lymphocyte cells can be stimulated chromatin round nuclei (dark purple) no nucleoli and by chemical mediators that interact with growth receptors cytoplasm is almost invisible. The results of Kruskal on the cell surface through several mechanisms, Wallis test showed no difference between the treatment namely 1) proliferation of lymphocytes by antigens, 2) group and the control group ($p = 0.035$). There was a proliferation by compounds IL-2 (Interleukin-2) which significant increase in the number of lymphoblasts in are cytokines produced by T helper cells, 3) Proliferation the treatment group ($p = 0.001$) with the control group. of lymphocytes by mitogen compounds. Mitogen is an The administration of secang wood extract can increase agent that is able to induce cell division, both T cells lymphocyte proliferation of wistar rats infected with and B cells in a high percentage, mitogen activity is not Salmonella typhimurium. specific. Based on some of the considerations mentioned The results of the calculation of the number of above, it is necessary to conduct a study that is able to lymphoblasts of Wistar rats in 200 cells (lymphoblasts uncover the health problems that occur in Indonesia, and lymphocytes) in the homogeneous area of all groups namely to determine the bioactive potential of secang are shown in Table 1. (Caesalpinia sappan L.) wood against lymphocyte proliferation of wistar rats infected with Salmonella Table 1. The average number of lymphoblasts of typhimurium. wistar rats in each group Materials and Method Group Limfoblas wistar rat (cell / 200 LPB) in Mean (SD) This research was a laboratory experimental research using wistar rats that had a body weight of 250- 300 grams and are 8 weeks old (± 2 months) and in good health. Wistar rats were chosen randomly and then given treatment to meet the weight criteria of 250-300 grams, wistar rats that had met the criteria were separated into 6 groups, each group numbered 4. P0 (1,2,3) was the P01 127.23 (3.66) P02 141.30 (2.67) P03 149.43 (2.48) P1 127.10 (3.55) P2 141.23 (2.58) P3 149.33 (2.47) 1581 [Indian Journal of Forensic Medicine & Toxicology, October-December 2019, Vol. 13, No. 4](#) The average number of lymphoblasts in each group there were differences. There was an increase in the average number of lymphoblasts in the P01, P02, and P03 groups, as well as in the P1, P2, and P3 groups. In groups P03 and P3 shows the highest number of lymphoblasts. The results of Kruskal Wallis test showed no difference between the treatment group P (1, 2, 3) with the control group P0 (1, 2, 3) ($p = 0.035$), but there was a significant increase in the number of lymphoblasts in the treatment group ($p = 0.001$) with the control group. The administration of secang wood extract can increase lymphocyte proliferation of wistar rats infected with Salmonella typhimurium. An increase in the number of lymphoblasts is a sign of lymphocyte proliferation. Lymphocyte proliferation is a marker of the activation phase of the body's immune response. This lymphocyte proliferation is an increase in lymphoblast production which will later become lymphocytes. Proliferation in lymphocyte cells can be stimulated by chemical mediators that interact with growth receptors on the cell surface through several mechanisms, namely 1) proliferation of lymphocytes by antigens, 2) proliferation by compounds IL-2 (Interleukin-2) which are cytokines produced by T helper cells, 3) Proliferation of lymphocytes by mitogen compounds. Mitogen is an agent that is able to induce cell division, both T cells and B cells in a high percentage, mitogen activity is not specific. In this study the proliferation of lymphoblasts by antigens is Salmonella-typhimurium. Conclusion The administration of secang wood extract can increase lymphocyte proliferation of wistar rats infected with Salmonella typhimurium. Additional Informations Ethical Clearance: Yes Source of Funding: Authors Conflict of Interest: No References 1. Brooks GF, Butel JS, Morse SA. Medical Microbiology, Translated by the Microbiology Section of the Faculty of Medicine, Airlangga University. Jakarta: Salemba-Medika Publisher; 2001. 2. Karlsson C. Salmonella's Mechanism for Surviving Macrophage Phagocytosis. Department of Molecular Bacterial Virulence and Physiology, Seminar; 2004. 3. 4. Baratawidjaja KG. Basic Immunology. 4th edition. Jakarta: FKUI Publisher Center; 2004. Abbas AK, Lichtman AH, Pober JS. Cellular and Molecular Immunology. 4th edition. Philadelphia: W.B. Saunders; 2000. 14. 29. 43. 56. 71. 84. 98.