

# Journal of Biological and Chemical Research



An International Journal of Life Sciences and Chemistry

EISSN 2319-3077 ISSN 0970-4973



SJIF Scientific Journal Impact Factor

[www.sasjournals.com](http://www.sasjournals.com) [www.jbcr.co.in](http://www.jbcr.co.in) [jbiolchemres@gmail.com](mailto:jbiolchemres@gmail.com)

Journal Impact Factor: **4.275**, Global Impact Factor: **0.876**,

InfoBase Impact Factor: **3.66**

Scientific Journal Impact Factor: **3.285**, IC Value: **82.43**

## Scope

Life Sciences (Botany and Zoology), Medical Sciences, Chemical Sciences, Agricultural Sciences, Biochemical Sciences, Environmental Sciences, Biotechnology, Molecular Biology and Tissue Culture

Volume 36 (1) Part C, January to June, 2019



**Prof. Abbas Ali Mahdi**

**Editor General**

**Prof. Y.K. Sharma**

**Executive Chief Editor**

**Dr. M.M. Abid Ali Khan**

**Chief Editor**

**Dy. Chief Editors**

**Dr. John K. Grandy**

(USA)

**Dr. Dilfuza Egamberdieva**

(Uzbekistan)

**Dr. T.S. Naqvi** (India)

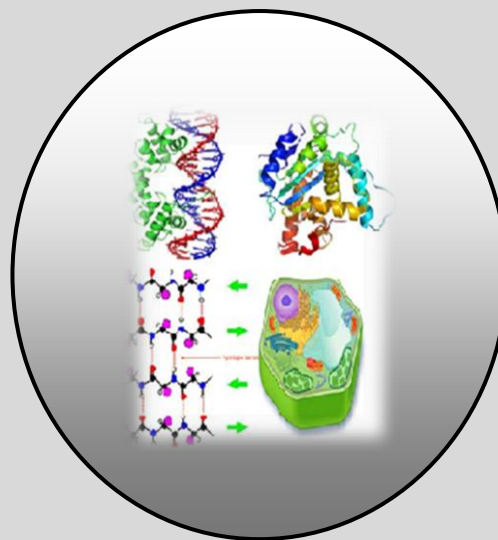
**Dr. Raaz Maheshwari** (India)

**Prof. Uma Singh** (India)

**Indexed, Abstracted and Cited**

Index Copernicus International (Europe), Research Bible (Japan), Scientific Journals Impact Factor Master List, Directory of Research Journals Indexing (DRJI), Indian Science. In, Database Electronic Journals Library (Germany), Open J-Gate, J Gate e-Journal Portal, Info Base Index, International Impact Factor Services (IIFS) (Singapore), Scientific Indexing Services (USA), International Institute of Organized Research (I2OR), World Cat, International Innovative Journal Impact Factor, Swedish Scientific Publishing, Eye Source and [citedfactor.org](http://citedfactor.org) Journals Indexing Directory, Cosmos Science Foundation South-East Asia, Indexing of International Research Journals and ImpactFactor.pl - Kompendium wiedzy o czasopismach naukowych, Philadelphia.

**Published by Society for Advancement of Sciences®**



**UGC Approved Journal No. 62923**

**Medical Council of India Validated Journal**

# ***Journal of Biological and Chemical Research***

Published by Society for Advancement of Sciences®  
ISSN 2319-3077 (Online/Electronic) ISSN 0970-4973 (Print)

**UGC Approved Journal No. 62923**

Journal Impact Factor: 4.275 Global Impact Factor: 0.876

Scientific Journal Impact Factor: 3.285

InfoBase Impact Factor: 3.66 Index Copernicus Value: 82.43

Volume 36 (1), Part C, January to June, 2019

---

## **List of Contents**

**S. No. 1- Role of Macrophytes in reducing the Bacterial Load in two Water Bodies of Different Tropic Status**

**By Manglesh Kumar and Ashwani Wanganeo 1-7**

**S. No. 2- Meat Quality of Spent Ducks Fed Fermented and Unfermented Papaya Leaf Meal in the Ration**

**By Ni Made Suci Sukmawati, I Nyoman Ardika and Ni Wayan Siti 8-14**

**S. No. 3- The Effect of Fermented *Sauropus Androgynus* Leaf Extract in Drinking Water of Laying Hens on Egg Production and Egg Cholesterol**

**By I Gusti Ngurah Budi Raharja, I Made Nuriyasa, and I Gusti Nyoman Gde Bidura 15-20**

**S. No. 4- Bioactive Compounds of *Mansoa alliacea* Leaf Extract has Potential as Botanical Pesticides to Control *Colletotrichum acutatum* against Anthracnose Disease on Chili Pepper**

**By Sang Ketut Sudirga, I Ketut Ginantra and Ida Bagus Gde Darmayasa 21-27**

**S. No. 5- Use of MSG (Mono Sodium Glutamate) as Fertilizer in Kale Plants (*Brassica oleraceae* var, Acephala)**

**By Luh Komang Sulasmini Mudra and Yohanes Parlindungan Situmeang 28-34**

- S. No. 6- Provision of *Saccharomyces Cereviseae* Probiotics in Rice Bran-Based Rations on the Performance of Balinese Duckling (*Anas* sp)**
- By Ida Bagus Gaga Partama and I.G.N.G. Bidura** **35-39**
- S. No. 7- Production of Lipase Enzyme by *Aspergillus oryzae* using Fishery Waste**
- By D. Sindhuja, K. Bhanumathi, G. Arunkumar and P. Arokiamary** **40-47**
- S. No. 8- Serum Pattern of Circulating Leptin during Menstrual Cycle: Relationship to Estradiol and Progesterone**
- By Jana Chakrabarti** **48-55**
- S. No. 9- Comparative Analysis of Essential Oil Extracted from Scent Leaf "*Ocimum gratissimum*" by Cold and Soxhlet Extraction Methods**
- By C. S. Okafor and N. C. Muoto** **56-60**
- S. No. 10- Variation and Genotype X Environment Interaction for Quality Characters among Selected Coffee Hybrids under Mid-Lowland Environments in Ethiopia**
- By Fekadu Tefera, Sentayehu Alamerew and Dagne Wegary** **61-68**
- S. No. 11- Estimation of *Hepatitis B virus* Antibody Titer due to Vaccination among Medical field professionals in Khartoum State**
- By Waseem Sameer Kwami and Omer Elbassri Elmakki** **69-73**
- S. No. 12- Identification of four different Chlorophyll Allomers of *Nostoc* sp. by Liquid Chromatography-Mass Spectrometer (LC-MS)**
- By Bahareh Nowruzi and Jouni Jokela** **74-80**
- S. No. 13- Isolation of a Phosphate Solubilising *Comamonas* Sp from Rhizosphere Soil of *Vigna vexillata***
- By V. Vijitha, P.A. Sajudeen and I.C. Nair** **81-86**

**S. No. 14- Potential Area Analysis of Nusa Penida Island for Native Pig Farming Development**

**By Putri, B.R.T, I.N. Suparta, N.M.S. Sukmawati,  
N.L.G. Sumardani and James Hellyward 87-91**

**S. No. 15- Financial Feasibility of Bali Pig Breeding Farm in Nusa Penida Island, Bali, Indonesia**

**By I.W. Budiarta and B.R.T. Putri 92-96**

**S. No. 16- Study on Water Analysis in Ponds in the Sabang Block Areas (W.B) India**

**By Uttam Kumar Maji, Ranajit Kumar Khalua and Kartik Maiti 97-106**

**S. No. 17- Characterization of *Cuscuta reflexa* Silver Nanoparticle and its Amelioration effect on Waste Water Treatment**

**By A. Devadoss and Periasamy Dharmalingam 107-115**

**S. No. 18- Screening of *Terminalia bellirica*, *Aegle marmelos*, *Adhatoda vasica* extract for better control of *Escherichia coli* and *Staphylo coccus aureus* isolated from Urinary Tract Infection**

**By Vinita Turkar, Arun Kumar and Prabhakar Bhandari 116-127**

**S. No. 19- In-vitro Screening of *Barleria accuminata* for its Antifeedant activity against Fall Armyworm (*Spodoptera frugiperda* (J.E. Smith)) (Lepidoptera: Noctuidae)**

**By D. Mohan Kumar, Ajinkya Nimbalkar, Vinit Kamble and M.V. Santha Kumar 128-130**

**S. No. 20- Anti-inflammatory Properties of some Active Components obtained from Plants**

**By Debjani Sarkar 131-138**

**S. No. 21- Role of Plant based Medicines in the Post-traumatic Stress Disorder**

**By Mohd. Zahid Rizvi, Murtaza Abid and M. M. Abid Ali Khan 139-146**

**S. No. 22- Genetic Diversity in Parental Lines of Hybrid Rice (*Oryza sativa* L.) by using SSR Markers**

**By Nilesh V. More, Ishwar A. Patil, Shilpa G. Kawadgave,  
Pratiksha D. Katale, Tanushree B. Chitkalwar and  
Rahul. P. Bhagat**

**147-155**

**S. No. 23- The Study of Cyanobacterial Flora from Jeori Thermal Spring, Himachal Pradesh, India – First Report**

**By Vinay Kumar Singh**

**156-162**

**S. No. 24- Relation between Chronic Sinusitis and Deviated Nasal Septum**

**By Apurab Gupta, Krishanlal Gupta, Parmod Kalsotra and  
Kamal Kishore**

**163-166**

**S. No. 25- Comparison of Graft Uptake between Temporalis Fascia, Tragal Perichondrium and Ear Lobe Fat**

**By Apurab Gupta, Krishanlal Gupta, Parmod Kalsotra and  
Kamal Kishore**

**167-171**

**S. No. 26- A Prospective Study on Epistaxis: Series of 60 Cases**

**By Apurab Gupta, Krishanlal Gupta, Kamal Kishore and  
Parmod Kalsotra**

**172-176**

**S. No. 27- Comparative Study of Serum Lipid Profile Levels in Normotensive and Hypertensive Pregnant Women in Third Trimester of Pregnancy**

**By Anil Kumar, Apurab Gupta and Krishan Lal Gupta**

**177-180**

**S. No. 28- Applications of Nanotechnology in Diagnosis of Plant Diseases**

**By Mohd. Zahid Rizvi, Murtaza Abid and  
M.M. Abid Ali Khan**

**181-188**

**S. No. 29- Impacts of *Prosopis juliflora* on Vegetation of Aravalli Hills of Ajmer (Rajasthan)**

**By Tripti Gupta and Manoj Kumar Yadav**

**189-195**

S. No. 30- Isolation, Purification and 2-D NMR Studies of a Novel Hexasaccharide (Eutheriose) from Buffalo Milk By Lata Gangwar, Anish Kumar and Desh Deepak	196-203
S. No. 31- Synthesis of Potentially active Pregnanes with Novel D-ring and C-17 Side Chain Derivatives By Lata Gangwar, Satish C. Pandey and Desh Deepak	204-215
S. No. 32- Pharmacological Prospective and Health Benefits of Clandestine 'True' Cinnamon ( <i>Cinnamomum zeylanicum</i> Nees.): A Systematic Review By Murtaza Abid, Prakash Narayan, Lakha Ram and Raaz K. Maheshwari	216-226
S. No. 33- Effect of Leaf Extract of <i>Ziziphus nummularia</i> on Liver and Kidney of Swiss Albino Mice exposed to Dimethoate By Sabiha Khan and Sangita Sharma	227-233
S. No. 34- Isolation and Structure Elucidation of Novel Pentasaccharide "Primose" from Cow Colostrum By Mayank Agnihotri, Shraddha Rathor and Desh Deepak	234-241
S. No. 35- Chemical Investigation of Indigenous Drug ( <i>Alhagi pseudalhagi</i> ) By Bineeta Yadav	242-245
S. No. 36- Determination of Bio Concentration Factor of Chromium on <i>Cyclops viridis</i> and <i>Diaptomus forbesi</i> By Abdul Bari Khan, Kumari Sukshma, Praveen Priyadarshi, Ram Pravesh Rai, and Dhyanendra Kumar	246-250
S. No. 37- Synthetic and Spectroscopic Studies of Co(II) Complexes of Thiohydrazides and Pyridine Carboxylic Acid By Aradhana Verma	251-273
S. No. 38- An All-encompassing Phytopharmacological Narration on Most Versatile Therapeutically Enriched Climbing Shrub – Giloy/ <i>Guduchi Tinospora crispa</i> (Linn.) Mier ex Hook F. & Thorns (Menispermaceae) By Gargi Pachauri, Meenakshi Yadav, Nupur Chatterji, Bina Rani, Upma Singh, S.H.A. Kazmi, and Raaz K. Maheshwari	274-289
S. No. 39- Therapeutic and Nutritional Applications of <i>Wasabia japonica</i> By Syed Nazeer Haider Zaidi, S.H.A. Kazmi, Syed Rais Haider and M.M. Abid Ali Khan	280-290