



# ACADEMIC RESEARCH

RNI NO. MAHMUL/2006/20663

Peer reviewed journal Special issue published for

**National Seminar on** 

Recent Trends in Environmental Protection: Concerns and Challenges (RTEPC)

5<sup>th</sup>oct 2015



# Sponsored by

BCUD, North Maharashtra University, Jalgaon



Organised by



B.S.S.P.M's Arts. Commerce and Science

College, Songir, Dist. Dhule (M.S.)

email.asccollegesongir@gmail.com

Meshr

niversit

Vol 10 No.1 Oct.2015

ISSN 2230 - 7796





ACADEMIC RESEARCH

RNI NO. MAHMUL/2006/20663

Peer reviewed journal Special issue published for

**National Seminar on** 

Recent Trends in Environmental Protection : Concerns and Challenges (RTEPC) 5<sup>th</sup>Oct.2015



Edited by

Prin.Dr.K.B.Patil

Prof.N.S.Sonawane Prof.C.P.Nikam

Prof.S.R.Rane Prof.S.B.Khairnar

Sponsored by

BCUD, North Maharashtra University, Jalgaon

and

Organised by S B.S.S.P.M's Arts, Commerce and Science College, Songir, Dist. Dhule (M.S.)

email.asccollegesonglr@gmail.com

Rajas

aon)

dent 'M

gaon)

Jalga

ur)

laroda



## B.S.S.P.M's, Arts, Commerce and Science College, Songir, Dist.Dhule (M.S.)

#### NAAC Accredited 'B' Grade

E-mail- asccollegesongir@gmail.com

Shri.Amrutraoji Kasar President



## **MESSAGE**

I have great pleasure in penning these few lines for the proceeding of the National Seminar on Recent Trends in Environmental Protection:

Concern and Challenges held in the college on 5<sup>th</sup> Oct 2015. There is growing pressure to improve and protect the environment. It is truly befitting that such a Seminar be organized to discuss a wide variety topics under the umbrella concept of Recent Trends in environmental protection.

I am very sure the conference will provide the right environment for participants to discuss and interact with the eminent scholars and academicians who come to share their knowledge with us on the occasion.

I am very glad that the science faculty has taken the much needed initiative of organizing a seminar of this structure and I wish them all success.

frim-

Shri.Amrutraoji Kasar President B.S.S.P.Mandal, Songir, Dist.Dhule. (M.S.)



।। अंक्ष्म पंत्रपु कालाव्यात ।।

#### NORTH MAHARASHTRA UNIVERSITY

P. B. No. 80, Umavinagar, Jalgaon - 425 001 (M.S.) INDIA



Prof. Sodhir U. Meshram

as as as as call resource (40) mand
the Chancelor

#: (0)+91-257-255601, 2208402 (R)+91-257-2208403 (R)+91-257-2208403 (R)+91-257-2208403 (R)+91-257-2208403 Mob. No.: 03823074734,04627120271 E-mail: veoglimmi.ac.in 19/0bc\_sum123@grestfirmid.com



MESSAGE

I am pleased to know that Arts, Commerce and Science College, Songir isorganizing National Seminar on "Recent Trends in Environmental Protection: Concern and Challenges" on 5<sup>th</sup> October 2015.

Taking into consideration the importance of protecting the environmental on individual. organizational governmental levels, it is the need of an hour to discuss on the emerging issues related to environmental protection. I am sure that eminent academicians, researchers and experts from different parts of the country exchange their knowledge and ideas on the important topics like Eco-conservation. Environment and Green Chemistry, Population Health and Socio-economic development, Global Warming and Climate Change etc. which will update the knowledge of the participants and provide an in depth analysis of subjects. Deliberations in this conference will definitely play an important role in enriching the participants to present and discuss the most important issues related to Recent Trends in Environmental Protection.

I wish the National Seminar a grand success.

(Prof.Sudhir U.Meshram) Vice-Chancellor

Dr. D. K. Kaushik Vice-Chanceloor



# J. J. T. UNIVERSITY Vidyanagri, Churu-Jhunjhunu Road, Churela, Distt.- Jhunjhunu Rajasthan - 333001



MESSAGE

Tam extremely happy to learn that Gahujan Samaj Shikshan Pasarak Mandal's Art's, Commerce and Science College, Songir, One (M.S.) is organizing One Day National Seminar "Recent Tends in Environmental Challenges (RTEPC)" sponsored by North Manarashtra Unicersity, Jalgaon. Topic of Seminar chosen is good senvironmental protection is practice of protecting the natural environment on individual organization and Govt. levels for the benefit of both the natural environment and humans. The defections of the seminar will give the fruitful results for the benefit of society.

My felicitation and best wishes to the Patrons, Conveners and partial team of this seminar for its successful completion.

Dr.D.K.Kaushik

Vice Chancellor

## महाराष्ट्र शासन सहसंचालक, उच्च शिक्षण, जळगांव विभाग, जळगांव नडाराष्ट्र जीवन प्राधिकरण इमारत, (पहिला मजला), जळगांव - ४२५ ००१. दुरध्वनी क्र.०२५७-२२३८५१०



## MESSAGE

Dist.Dhule (M.S.) has organize the National Seminar on Recent Environmental Protection: Concerns and Challenges on 5th 2015. RTEPC-2015 will address to the academic and industrial with recent trends in the field of Science and Technology with application to mankind.

congratulate the organizing committee for taking up all handwork mooth organization of such important national seminar and I wish grand makes for the seminar.

Dr.Keshav Tupe

Joint Director Higher Education, Jalgaon



# B.S.P.M's, Arts, Commerce and Science College, Songir, Dist.Dhule (M.S.)

#### NAAC Accredited 'B' Grade

E-mail- asccollegesongir@gmail.com

Shri.Amrutraoji Kasar President



## MESSAGE

is with great pleasure that our college is organizing one day National Recent Trends in Environmental Protection: Concern and Challenges on 5th Oct 2015. I extend my warm welcome and good wishes to participants who have contributed to make this event interactive manufacture and extremely graceful to Hon'ble Vice-Chancellor, Prof. Sudhir Mestram, whose excellent support has given us great strength and representation of this important national event. We are greatful the Director, Register, Finance and Accounts officers for making all facility for better arrangement of the Seminar. I thank the organizing members, teaching and non teaching staff, partipants, for their comake this national events a grand success.

Dr.K.B.Patil

Principal

BSSPM's ASC College, Songir,

Dist.Dhule (M.S.)

# INDEX ·

# Invited Talks

|   | Prof Dr. Jyotsna. Meshram | Green Chemistry: Multidisciplinary Approach | 1-3 |  |
|---|---------------------------|---|-----|--|
| = | Pro Dr.Kishore Pawar      | Global warming: Issues and Challenges       | -   |  |

## Papers

The St No.1

| Hibs. | Name of the Author's  | Title  | Page   |
|-------|---|--|--------|
| Code  | Name of the Author's  | Oral Presentation  | No.    |
|       | Jeetendra Pachaya &<br>Jeetendra Sainkhediya  | Biodiversity Of Macrophytes In Five Pounds<br>Of Alirajpur, Madhya Pradesh, India  | 4-7    |
| GP-2  | S M Nikam¹,<br>P.D.Patole,<br>K.B.Shejule²  | Tributyltin Oxide (Tbto) Induced<br>Histological Changes Of Gill In The<br>Freshwater Fish, Nemacheilus Botia.   | 8-15   |
| OP-3  | R.D.Yeole*,<br>S.A.Deshmukh<br>A.V.Wakode   | Studies On Assessment Of Biomedical<br>Waste Management  | 16-19  |
| 084   | <sup>2</sup> D.V.Sonawane<br><sup>3</sup> S.J.Nandre,   | Environmental effect on Growth of Copper<br>Tartrate Crystals by single diffusion gel<br>Method  | -19-24 |
| GP-5  | C. V. Wankhede,<br>A.S.Kolhe  | Effects of Global Warming on Biodiversity<br>&Human Health- A Review   | 24-30  |
| CP-6  | B.Y.Bagul   | Advancements Of Nanotechnology In Food<br>Packaging  | 31-33  |
| 08-7  | S. B. Garud*,<br>D.S. Suryawanshi   | Planning for Health Care Facilities in<br>AkkalkuwaTahsil of Nandurbar District<br>(M.S.)  | 33-39  |
| 08-3  | S. R. Rane  | Environmental Degradation: Issues and<br>Concerns in Rabindranath<br>Tagore's Selected Poems   | 40-44  |
| 02-9  | Prof. Y.G.Bhadane <sup>1</sup><br>Prof. K. M. Borse <sup>2</sup><br>Prof. N.S.Sonawane <sup>3</sup> | Role Of Physico- Chemical Parameters On<br>Ground Water Quality In An Around<br>Nandurbar District (M.S.)  | 44-48  |
| CR-30 | C. J. Patil,<br>S. B. Salve and<br>H. A. Mahajan  | Studies on Microwave Synthesis of<br>Aromatic Schiff Bases. Part-VI. Synthesis<br>and Characterization of Ketimines from 5-<br>Chloro-4-methyl-2-hydroxy-acetophenone<br>with substituted anilines | 49-56  |
| 08-11 | *Dr. Ms. Ujwal Magar,<br>*Mrs. A. L. Kulkarni<br>**More Ratnakar                                    | Water Quality Of Girna Dam From Nashik<br>District (Maharashtra) With Special<br>Reference To Algal Biodiversity   | 57-63  |
| OP-12 | Prof. R.V.Patil <sup>1</sup><br>Prof. J. U. Patil <sup>2</sup><br>Prof. M.G.Kasar <sup>3</sup>      | Impact of physico- chemical parameters on soil in and around narmada river basin (m.p.)  | 64-67  |
| CP-13 | Vasantrao Pawar   | Occurrence of fungal bio-diversity on<br>GramSeeds   | 68-69  |

|       | C. P. Nikam', B. N. Kakade, Narayani M. Gosavi <sup>2</sup> , S. R. Gosavi <sup>3</sup> ,  | Simple Chemical Route To Deposit Nanocrystalline Cadmium Sulphide Thin Film On Conducting Substrate And Its Characterization For The Degradation Of Methylene Blue | 70-75   |
|-------|--|--|---------|
| OP-15 | S.S. Nikam   | Rich Vegetation Of Medicinal Plants And<br>Their Conservation In Patnadevi Forests,<br>Chalisgaon Taluka, Maharashtra, India                                       | 76-83   |
| OP-16 | D.A. Patil <sup>1</sup> and<br>S.B. Khairnar <sup>2</sup>  | Biodiversity vis-à-vis Plantlore Evidence:<br>From Marathi Plant Names   | 84-88   |
| OP-17 | Prof. Dr. M. B. Chavan<br>K. N. Salunkhe   | General Density Of Population In Piedmont<br>Plain Of Jalgaon District: A Geographical<br>Analysis   | 89-93   |
| OP-18 | R.J.Borse  | Geo-Chemical Investigation of Groundwater<br>Resources in Parts<br>of Jalgaon District, Maharashtra  | 94-103  |
| OP-19 | Mr, D.B. Dhangar <sup>1</sup><br>Dr. R. G. Mahale <sup>2</sup>   | Physico-chemical Parameter and Heavy<br>Metal Contamination present in ground<br>water in and around Shindkheda Town   | 104-108 |
| OP-20 | Virendra Murlidhar<br>Gharde   | Government Policy of Environment<br>Protection (A Socio-Political Analysis)  | 109-112 |
| OP-21 | D. R. Patil, A.T. Kalse*<br>P. S. Nikam*   | Biodiversity Of Moniezia From Capra Hircus In Chalisgaon Region  | 112-119 |
| OP-22 |  | Synthesis And Antimicrobial Activity Of<br>Novel Tetrazopyrazolone   | 119-123 |
| OP-23 | R. B. Suryav/unshi <sup>1</sup><br>A. T. Kalse <sup>2</sup>  | Prevalence and biodiversity of cestode<br>parasites of Capra hircus in Dhule region,<br>(M. S.), India   | 124-129 |
| OP-24 | Damyanti R. <sup>1</sup> , Patil K. B. <sup>2</sup><br>Borse K. N. <sup>3</sup>  | Fresh Water Higher Fungi from Khandwa<br>District (M.P., India).   | 129-134 |
| OP-25 |  | Sources of Methane (CH <sub>4</sub> ) Emission and its   | 135-141 |
| OP-26 | Dr. Sharad Madhukar<br>Kulkarni*, Dr. Sunil<br>Aananda Patil   | The Environmental Movement In India  | 142-146 |
| OP-27 | Weeh S N *   | Aquatic Fungi From Amalibari In Nandurbar<br>District  | 146-149 |
| OP-28 | and the second s | "Livestock production : Recent trends and its<br>future challanges"  | 149-152 |
| OP-25 | Dr. S. A. Wagh*<br>Mrs. D. M. Shirsath   | Effects Of Ground Level Ozone On Human<br>Health And Natural Vegetations   | 152-156 |
| OP-3  | V A Abirraol M.V.  | Traditional Sources Of Antidotes From<br>Botanicals Sold By Herbal Vendors In North<br>Maharashtra, (India)  | 156-160 |
| OP-3  | Dr. R.G. Khairnar,<br>Dr. S.S. Khatri  | Environmental Issues and Indian Politics   | 161-163 |
| OP-3  | M. B. Jagtap*, S. K.   | Effect of Sugar Factory Effluent on<br>Germination of Cicer Arientinum L.  | 164-169 |

.

West 10 No. 1

70-75

76-83

84-88

89-93

94-103

104-108

09-112

112-119

119-123

124-129

29-134

135-141

142-146

146-149

149-152

152-156

156-160

161-163

164-169

## **ABSTRACT**

Title Alber. Name of the Author's Page Code Poster Presentation No. Physical and Analytical Parameters of Smt. Simantini Y. Patil\* PP-3 Boswellia Serrata Leaves 170 Dr. A.P.Raiput2 (Family-Burseracae) Ajit M. Vasava ,Ravi Patel, Molecular Identification of Fungi 2012 170 and Kishor S. Rajput through DNA Barcoding Benchmark studies for the thermal Nandkishor B. Shirsath, 2943 stability of thiokol in ionic liquids 171 Jyotsna S. Meshram\* by thermal gravimetric analysis "Tribal Beliefs of Western Madhya 39.4 Dawar, S. & Satya, V. Pradesh in conservation of Ethno-Agro 171 Biodiversity" Veena Satya, Nupur Joshi, Role of social forestry in conservation PP-5 172 Payal Joshi of Forest Resources Biodiversity of Genus Scenedesmus **PP-6** Dr.D.S.Jain from Lentic Water Body of 173 Dhule Dist. of (M.S.) Biodiversity of Soil Fungi from 39.7 B.R.Kamble 173 Marathwada Region Karan G. Rana and Environmental Impact Assessment of PP-8 174 Padamnabhi S. Nagar South-East Barda Wildlife Sanctuary Mayur Patil, Amit Patil, Green And Efficient Protocol To PP.9 Manohar G. Patil, Develop Various Pyrazole Derivative 174 Sandip R. Patil Through Multi-Component Reaction Synthesis And Characterization Of A S.S.Rajput 1\*, R G Mahale,2\* New 2-((E)-(5-Methyl Pyridin-2-PP-10 174 Jitendra N. Borase Ylimino) Methyl) Phenol. And It's Complex With Cd (Ii). Catalase Activitiy in The Hepatopancreas And Gonad of The PP-11 P. R. Mahajan Freshwater Gastropod Snail, Bellamya 175 Bengalensis(Lamarck) After Heavy Metal Stress. Dr.C.P.Sawant1 "Toxic Heavy Metal Contamination in PP-12 Mr. R.V.Patil2 Sediments of Narmada River and 175 Mr.N.S.Sonawane3 Effect on Human Health"

7796

ISSN No. 2230-7796

| PP-13 | Mr. Nilesh P.Anandwani -<br>Dr. Arpana H. Jobanputra  | Biodegredation of Keratin Wastes<br>Using Soil Isolates  | 176 |
|-------|---|--|-----|
| PP-14 | Bhikan J. Khairnar*, Bhata<br>R. Chaudhari.   | Synthesis of and Biologically Active of<br>Benzothiazine derivatives   | 176 |
| PP-15 | R.D. Chahande<br>R.P. Borale  | Effects of Some Environmental Parameters on Respiratry Metabolism of Fresh Water Channa Gachua (Hamilton, 1822)        | 177 |
| PP-16 | S. S. Rajput <sup>1</sup> * S. N. Patel <sup>2</sup> S. B. Chaudhari <sup>3</sup>                                 | Green Approach in the Synthesis of<br>Cyclic Imides Using Heterocyclic<br>Amines & Their Characterization              | 177 |
| PP-17 | Deepak V. Nagarale *A.P.Rajput  | Green Synthesis & Biological<br>Investigation of Piperidine Derivatives.   | 178 |
| PP-18 | S.S.Patole <sup>1</sup> ,<br>S.S.Rajput <sup>*2</sup>   | Synthesis, Characterization and<br>Antifungal Activity of Bis-Heterocyclic<br>Chalcones                                | 178 |
| PP-19 | Devendra S, Raghuvanshi <sup>a</sup> ,<br>Pramod P. Mahulikar <sup>b</sup> ,<br>Jyotsna S. Meshram <sup>e</sup> * | Green and Efficient Synthesis of<br>Azomethine Scaffolds of INH: MFA as<br>an Excellent Zeotype Catalyst               | 179 |
| PP-20 | Kate Kashmira H.<br>Pawar N.N   | Quality Evalution of Chocalate<br>Flavoured Milk in Aseptic Pack   | 179 |
| PP-21 | A.V. Panhale<br>D.V. Muley*   | Effect of Sevin on Protein Content in<br>The Fresh Water Fish Cyprinuscarpio<br>(Linn.)                                | 180 |
| PP-22 | Bhande Satish S.<br>Wasu Yogesh H.  | Effect of Aqueous Extract of<br>Amaranthus spinosus on Histology of<br>Testis in Wistar Albino Rats                    | 180 |
| PP-23 | Dhairyashil V Ahirrao<br>Roshani R Khairnar   | "Impact of Environmental Factor on<br>Tissue Metabolites of<br>Freshwater Crab, Barytelphusa<br>cunicularis"           | 181 |
| PP-24 | Patil M.B., Chaudhari D.S.,<br>Saindane P.S. & Rajput T.C.  | Micro-relationship among wild Plants<br>with local people of Village.  | 181 |
| PP-25 | Wasu Yogesh H <sup>1</sup> .,   | Parthenium hysterophorus as an eco-<br>friendly control measure for<br>Spodoptera littoralis and Spodoptera<br>littura | 182 |

# ACADEMIC RESEARCH



Editor Dr. Asaram Shriram Bagul



Dr.N.M.Nerkar

#### 



## National Seminar Organizing Committee



Prin.Dr.K.B.Patil(Convener)

Prof.S.B.Khairnar(Co-ordinator)

Bhaiyasaheb Sandip A Kasar(O.S)

Prof.Smt.P.D.Patole

Prof. F.M. Rathod

Prof.K.N.Salunkhe

Prof.D.B.Dhangar

Prof.S.N.Wagh

Prof. D. R. Patil

Prof.D.S.Patil

Prof.P.R.More

Prof.Miss.Prema.N.Kotkar

Prof.R.V.Patil(Nagaon)

Prof.K.M.Borse(Dhule)

Prof.N.S.Sonawane(Organizing Secretary)

Prof.C.P.Nikam(Co-ordinator)

Prof.A.B.Patil(vice principal)

Dr.R.K.Jadhav

Dr.R.G.Khairnar

Prof. N. V. Patil

Prof. V.D. Patil

Prof. S.S.Dhangar

Prof. A.S.Patil

Prof. S.R.Rane

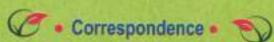
Prof. R.P.Nagarale

Prof. P.R. Deore

Prof.G.S.Patil

Prof. A.S.Deore

Non Teaching Staff A.S.C. College, Songir.



B.S.S.P.M's Arts, Commerce and Science

College, Songir, Dist. Dhule (M.S.)

email.asccollegesongir@gmail.com