

A hand holding a globe with a grid overlay. The hand is rendered in a textured, painterly style with various colors like blue, green, and brown. The globe is also textured and shows the continents. A grid of small squares is overlaid on the entire scene. The background is a dark purple with a diagonal light-colored band.

**RESEARCH AND PARTICIPATION,
KNOWLEDGE AND ACTING:
A CHALLENGE FOR THE
RESEARCHER IN CONTEMPORARY TIMES**

**July 24-27, 2016
Salvador, Brazil**

**Edited by
Claudio da Rocha Brito
Melany M. Ciampi**

SHERO
Safety, Health and Environment
Research Organization

COPEC
Science and Education
Research Council

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**BOOK OF
ABSTRACTS**

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SAFETY, HEALTH AND ENVIRONMENT WORLD CONGRESS – Research and Participation, Knowledge and Acting: A Challenge for the Researcher in Contemporary Times. Salvador, 2016. v.16 n.1

41p.

BOOK OF ABSTRACTS – XVI Safety, Health and Environment World Congress. July 24-27, 2016. Orgs. Claudio da Rocha Brito (ISBN 978-85-65992-57-2) & Melany M. Ciampi (978-85-66680-57-7). Science and Education Research Council, COPEC – Salvador: SHEWC, 2016.

ISSN 2317-3173

1. Environment – Congress. 2. Health – Congress. 3. Safety – Congress I. BRITO, Claudio da Rocha. II. CIAMPI, Melany, M. III. Title

CDD 378

Message from the General Chair



I am very pleased that you have joined **SHEWC - Safety, Health and Environment World Congress**. For this 16th edition our members, professionals and volunteers have organized this exceptional event with the goal to provide participants the best congress experience ever. We also have organized social and cultural events of high quality besides the technical sessions full of excellence. All of these congress events benefit our scientific and professional community and promote a wonderful time among our group members of participants.

SHEWC have for many years offered the possibility of updating and revisiting classical concepts and cutting edge useful information in environment, health and safety. Participants of **SHEWC'2016** have the opportunity to discuss the latest improvements as well as to promote research and development in the core areas.

The theme of this edition is: "**Research and Participation, Knowledge and Acting: A Challenge for the Researcher in Contemporary Times**" It aims to provide participants with up-to-date information in safety, health and environment fields, counting with the presence of experts from across the globe.

SHEWC'2016 happens in Salvador, Bahia the first capital of Brazil, and the host Institution is **State University of Bahia (UNEB)**. We are proud to organize this congress in such institution that has opened its door and providing the excellent organizing committee that has been working restless to make of this another successful congress. We could not forget to thank in special the **UNEB** local committee in the person of **Prof. Valnice Paiva and Prof. Jucineide Lessa de Carvalho** and their group the **TIPENSE team** for their efforts and great work.

The **XVI Safety, Health and Environment World Congress – SHEWC'2016** is organized by **COPEC – Science and Education Research Council** and promoted by **SHERO – Safety, Health and Environment Research Organization** in Technical Cooperation (in alphabetical order): AAMP (Fishing Museum Friends Society), ABENC (Brazilian Society of Civil Engineers), ABENGE (Brazilian Society for Engineering Education), ABO (Brazilian Dental Association), AENUI (Asociación de Enseñantes Universitarios de la Informática), AGERCO (Brazilian Agency for Coastal Management), ASEE (American Society for Engineering Education), ASIBEI (Iberian-American Association of Engineering Education Institutions), GCOMM (Global Congress on Manufacturing and Management), IEEE-Ed.Soc. (Education Society of the Institute of Electrical and Electronics Engineers), IFEES (International Federation of Engineering Education Societies), IGIP (Internationale Gesellschaft für Ingenieurpädagogik), INTERTECH (International Council for Engineering and Technology Education), IRCWR (International Reference Center for Water Reuse), ISTECH (Iberian American Science & Technology Education Consortium), OERN (Institute of Engineers of Portugal – North Region), Porto Gente (PortFolk), RBE (Brazilian Network of Engineering), RCI (Réseau Carthagène d'Ingénierie), SBA (Brazilian Automation Society), SBE (Brazilian Society of Ecotoxicology), SEFI (Société Européenne pour la Formation des Ingénieurs), SPEE (Portuguese Society for Engineering Education), SPEED (Student Platform for Engineering Education Development), WCCA (World Council on Communication and Arts) and WCSEIT (World Council on Systems Engineering and Information Technology).

I could not forget to thank our sponsors FAPESP (State of São Paulo Research Foundation), CNPq (National Council for Scientific and Technological Development) and CAPES (Coordination for Improvement of Personnel of Superior Level).

COPEC's team is composed by a multidisciplinary group of professionals including experienced conferences organizers, scientists, researchers and academics, with a wide experience in the promotion of conferences. We are specialized in scientific conferences in the field of higher education and work globally.

The ideas, opinions and professionals contributions are shown in lectures, plenary sessions, presentations of papers and workshops. The opening session counts with the participation of promoters of the event and several authorities. At the end, the closing session presents the main results of the event.

I want to thank the authors and participants for their collaborations and willing to share their contributions for the development of science and technology for the betterment of humanity in their fields of expertise.

We are delighted that you have joined us and trust that the benefits of participating of such event meet your expectations.

Prof. Dr. Claudio da Rocha Brito
GENERAL CHAIR
President of COPEC
President Elect of IEEE Ed.Soc.

Message from the Technical Program Chair



On behalf of the Technical Program Committee, I want to express how we are delighted that you have accepted our invitation to join this 16th edition of **SHEWC - Safety, Health and Environment World Congress**.

The scientific committee and the **SHEWC** board and local committee have prepared an exciting program as well as featuring world-renowned speakers; the congress includes also numerous interactive elements involving the audience. As usual **SHEWC** provides a unique opportunity for researchers and scientists to present their scientific studies, during the technical sessions.

The collaborations of authors are of great value and surely enlighten the event of top quality. It is always important to point out the importance of face-to-face exchange of ideas and researches among peers, due to the opportunities of collaborative work that can occur. Besides scientific publication papers presentations are also of great importance for the enhancement of creative and dynamic science and technology development.

We have to thank indeed the **UNEB** local committee in the person of **Prof. Valnice Paiva and Prof. Jucineide Lessa de Carvalho** and also their group, the **TIPENSE team** for the great work and efforts to make this **SHEWC** edition a success.

As a congress is not only a place for transfer of knowledge but also for learning about the host country and its people and we are sure that it is a great experience to be in Salvador Bahia, the first capital of Brazil, a city full of history, culture and beauty.

Thank you for your collaborations and participation!

Prof. Dr. Melany M. Ciampi
TECHNICAL PROGRAM CHAIR
President of SHERO
General Secretary of IEEE Ed.Soc.

Message from the Local Chair



Dear Colleagues

This is another event organized by the **Science and Education Research Council - COPEC** and **TIPEMSE Research Group** of **Bahia State University – UNEB**. The **TIPEMSE** is a group certified by **UNEB**, linked to **CNPq** and studies on technologies, Pedagogical Innovation and Social Mobilization for Education, in its list of members representing different areas of knowledge, therefore it is great honor for us to be supported by **COPEC**, which has contributed to the development of our research group since the year 2012.

And at this time in response to our concerns, come to accomplish in **UNEB**, the **SHEWC'2016 - Safety, Health and Environment World Congress**, with the provocative theme: **Research and Participation, Knowledge and Acting: A Challenge for the Researcher in Contemporary Times**, which has provided the opportunity of a partnership with the Department of Life Sciences - DCV I / **UNEB** responsible for health, which is one of the most active in relation to the theme of the event, having great approach to Search - Action- and other participatory methodologies.

So, this is an invitation to researchers interested in the deepening of knowledge in relation to participatory research and its approaches to the proposals that advocate the involvement of the researcher in the field and subjects that are immersed in the problem being investigated, with a view to proposals, which design operate changes in the problematic situation. It is with this objective that we call to participate in this event, organized with many hands and involvement of many areas of knowledge, and enlivened by art, but knowing that this organization is only consolidated with the arrival of each of you.

Therefore, we await you for **SHEWC'2016**, Congress organized with beauty, lightness, musicality, creation and lots of action for the promotion of natural processes, attractive and interactive knowledge production, envisaging the creation of results that enhance continuity proposals and relationships to be germinated in this meeting.

Prof. Valnice Sousa Paiva
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Leader of Research Group TIPEMSE

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**RESEARCH AND PARTICIPATION,
KNOWLEDGE AND ACTING:
A CHALLENGE FOR THE
RESEARCHER IN CONTEMPORARY TIMES**

PROGRAM

**July 24-27, 2016
Salvador, Brazil**

**Edited by
Claudio da Rocha Brito
Melany M. Ciampi**

SHERO

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Research Organization



Science and Education
Research Council

SHEWC'2016 – Program at Glance

Time	Sunday 24	Monday 25	Tuesday 26	Wednesday 27	Time
8:30 am 9:00 am	Free	Registration	Registration	Registration	8:30 am 9:00 am
9:00 am 9:30 am		Cultural Sessions	Technical Session 1	Workshops I	9:00 am 9:30 am
9:30 am 10:00 am	Opening Session	10:00 am			
10:00 am 10:30 am	Plenary Session I	10:30 am			
10:30 am 11:00 am	Cultural Session I	Coffee Break	Coffee Break	Coffee Break	10:30 am 11:00 am
11:00 am 11:30 am		Plenary Session II	Technical Session 2	Workshops II	11:00 am 11:30 am
11:30 am 12:00 pm		Cultural Session IV			12:00 pm
12:00 pm 12:30 pm		Lunch	Lunch	Lunch	12:30 pm
12:30 pm 1:00 pm					1:00 pm
1:00 pm 1:30 pm					1:30 pm
1:30 pm 2:00 pm					2:00 pm
2:00 pm 2:30 pm					2:30 pm
2:30 pm 3:00 pm					3:00 pm
3:00 pm 3:30 pm		Cultural Session V	Technical Session 3	Workshop III	2:00 pm 2:30 pm
2:30 pm 3:00 pm		Plenary Session III			2:30 pm 3:00 pm
3:00 pm 3:30 pm		Coffee Break	Technical Session 4		3:00 pm 3:30 pm
3:30 pm 4:00 pm					3:30 pm 4:00 pm
4:00 pm 4:30 pm		Round Table 1	Coffee Break	Coffee Break	4:00 pm 4:30 pm
4:30 pm 5:00 pm			Welcome Cocktail	Round Table 2	Closing Session
5:00 pm 5:30 pm		Cultural Session VI			
5:30 pm 6:00 pm		Free		Free	
6:00 pm 6:30 pm			6:00 pm 6:30 pm		
6:30 pm 7:00 pm	6:30 pm 7:00 pm				
7:00 pm 7:30 pm	7:00 pm 7:30 pm				
7:30 pm 8:00 pm	7:30 pm 8:00 pm				
8:00 pm 8:30 pm	8:00 pm 8:30 pm				
8:30 pm 9:00 pm	8:30 pm 9:00 pm				
9:00 pm 9:30 pm	9:00 pm 9:30 pm				
9:30 pm 10:00 pm	9:30 pm 10:00 pm				
			Congress Dinner (for adhesion)		

Sunday – July, 24

9:30 am – 7:00 pm
CULTURAL SESSION I

The cultural session will start with a meeting in Ribeira at 10 am or 9:30 am in São Salvador Hotéis e Convenções at Rua Doutor José Peroba, 244, Stiep, 41770-235 Salvador – BA.

Salvador sits on a spit of land sticking southwest into the Atlantic Ocean. And although it sits well within the tropics at southern latitude of thirteen degrees, it receives a refreshing sea breeze, which seldom falters until the wee hours of the morning when things have generally cooled off anyway. The city sits on a huge bay, a *Baía de Todos os Santos* (the Bay of All Saints), and the topography is predominantly hill and valley.

The streets of Central Salvador take tourists back to the beginnings of Brazil. Your tour begins at the Barra Lighthouse, passes the Teatro Castro Alves, home to the Bahian Symphony Orchestra and on to the Balé (ballet) de Castro Alves. the Forte de São Pedro and Praça Castro Alves are on route to the Historical Center of Pelourinho, which offers something to see along every street.

With more than a thousand houses, churches and monuments built since the 16th century, Salvador makes up the greatest collection of Baroque architectural heritage in Latin America.

Let's have a nice day visiting some of the best sights of the city and gather with colleagues and new friends!



We will meet at 10 a.m. in Ribeira, then we will take a city tour. Return from Itapoan for Hotel São Salvador at 7 pm.

9:30 am leaving from Hotel São Salvador to Ribeira – have an ice-cream, Humaitá, Solar do Unhão – take picture, Mercado Modelo - Lunch , Pelourinho, Campo Grande, Barra - for a sea bath, sun set at 5:24pm, Itapoan – eat Acarajé da Cira and back to Hotel São Salvador at 7:00 pm.

Image and Information Source:

<http://www.salvadorcentral.com/salvador.htm>

Monday – July, 25

8:30 am – 5:30 pm
REGISTRATION

The conference will happen in the Universidade do Estado da Bahia – UNEB, Rua Silveira Martins, 2097-2131. Cabula. 41.195-001 Salvador BA. The GPS coordinates are: 12° 57' 04" S and 38° 27' 34.6" W (-12.951100, -38.459603).

9:00 am – 9:15 am
CULTURAL SESSION II
CAPOEIRA TRIBO DE JUDÁ PRESENTATION

9:15 am – 9:30 am
CULTURAL SESSION III
SINGER PIERRE ONÁSSIS PRESENTATION

9:30 am – 10:00 am
OPENING SESSION
Chair: **Prof. Claudio da Rocha Brito** – General Chair of SHEWC'2016
Prof. Melany M. Ciampi – Technical Program Chair of SHEWC'2016
Prof. Valnice Sousa Paiva – Local Chair of SHEWC'2016
Prof. Jucineide Lessa de Carvalho – Vice Local Chair of SHEWC'2016
Profa Márcia Santos Cerqueira – PROEX/UNEB

10:00 am – 10:30 am
PLENARY SESSION I
Chair: **Prof. Claudio da Rocha Brito** – General Chair of SHEWC'2016
Title: **RESEARCH AND PARTICIPATION, KNOWLEDGE AND ACTING: A CHALLENGE FOR THE RESEARCHER IN CONTEMPORARY TIMES**
Speaker: **Prof. Melany M. Ciampi** – Technical Program Chair of SHEWC'2016

10:30 am – 11:00 am
Coffee Break

11:00 am – 12:00 pm
PLENARY SESSION II
Chair: **Prof. Jucineide Lessa de Carvalho** – Vice Local Chair of SHEWC'2016
Title: **AEDES E DOENÇAS ASSOCIADAS: QUEM TE CONHECE TE EVITA**
(in Portuguese)
Speaker: **Prof. Maria de Fátima Brazil** – UNEB

12:00 pm – 12:30 am
CULTURAL SESSION IV
DRUMS ARCH PERCUSSIVE GROUP PRESENTATION

12:30 pm – 2:00 pm
LUNCH

2:00 pm – 2:30 pm

CULTURAL SESSION V

**SYMPHONIC BAND OF PEACE - MAESTRO ESDRAS EFRAIM (NEOJIBÁ)
PRESENTATION**

2:30 am – 3:30 pm

PLENARY SESSION III

Chair: **Prof. Valnice Sousa Paiva** – Local Chair of SHEWC'2016

Title: **PARTICIPAÇÃO, COOPERAÇÃO, COLABORAÇÃO NA RELAÇÃO
DOS DISPOSITIVOS DE INVESTIGAÇÃO COM A ESFERA DA AÇÃO SOB A
PERSPECTIVA DA PESQUISA-AÇÃO** (in Portuguese)

Speaker: **Prof. Michel Jean-Marie Thiollent** – UFRJ/UNIGRANRIO

3:30 pm – 4:00 pm

Coffee Break

4:00 pm – 5:00 pm

ROUND TABLE 1

Chair: **Prof. Valnice Sousa Paiva** – Local Chair of SHEWC'2016

Prof. Michel Jean-Marie Thiollent – UFRJ/UNIGRANRIO

Prof. Dr. José Antônio Carneiro Leão – UNEB

Prof. Ms Guilhermina Elisa Bessa da Costa – UNEB

Title: **PARTICIPAÇÃO, COOPERAÇÃO, COLABORAÇÃO NA RELAÇÃO
DOS DISPOSITIVOS DE INVESTIGAÇÃO COM A ESFERA DA AÇÃO SOB A
PERSPECTIVA DA PESQUISA-AÇÃO** (in Portuguese)

5:00 pm – 6:00 pm

COCKTAIL PARTY AND EXPOSITION OPENING

All the participants are welcome to join us for the “Cocktail Party” on Monday at 5:30 pm. It is the opportunity to get in touch with other colleagues and make new friends in a pleasant environment with the exposition opening - “Ad-Mirar” that presents a collective production of works created from recyclable materials, paintings and photographs made on the body of beauty that pervade our daily lives and, therefore, often fail to see them. So this is the goal of this exhibition, evokes admiration even of what is considered simple for so we can better see the world, life, things... Content Curation of Tipemse – Research Group.

Tuesday – July, 26

8:30 am – 4:30 pm
REGISTRATION

9:00 am – 10:30 am
TECHNICAL SESSION 1
Chairs

André L.L. Reda
Jorge Makoto Tomita

**URBANIZATION, CLIMATE CHANGES AND FLOOD DETENTION PONDS:
COMPARISON BETWEEN SMALL AND LARGE SCALE SOLUTIONS**

*André Luiz de Lima Reda, Jorge Makoto Tomita, Magda Aparecida Salgueiro
Duro, Ana Lúcia da Fonseca Bragança Pinheiro, Ana Júlia Ferreira Rocha...25*

**INNOVATION IN WASTEWATER TREATMENT AT AN ISOLATED
SYSTEM: FEASIBILITY OF APPLYING THE CLEARTEC® TECHNOLOGY
TO A CLOSED CONDOMINIUM**

*Hannah Caroline Proença, Luiza Helena Pereira Souza, Wernner Jardim,
Eduardo Tadeu Lacreta de Toledo Filho, Adilton Douglas Schiavon Felix,
André Luiz de Lima Reda26*

**IDENTIFICATION AND HIERARCHIZATION OF AREAS THAT
CONCENTRATE YOUNG POPULATION VULNERABLE TO DEADLY
VIOLENCE IN THE STATE OF ALAGOAS, BRAZIL, 2004/2012**

Carlos Mauricio Rocha Barroso, José Vicente Ferreira Neto26

**PROFESSIONAL TRAINING FOR SCHOOL COOKERS FROM PUXINANÃ-
PB**

Clara Caroline Monteiro, Ruann Rafael Costa, Ana Luiza Mattos Braga26

**MALNUTRITION IN CHILDREN: POSSIBILITIES TO OVERCOME THIS
CHALLENGE BY INCLUDING FOOD AND NUTRITION EDUCATION AT
BASIC SCHOOL**

Lídia da Silva Monteiro, Ruann Rafael Costa, Ana Luiza Mattos Braga27

**ANALYSIS OF CONTROL IN ACADEMIC POSTURAL OF PHYSICAL
THERAPY THROUGH KINEMATICS**

*Livia Cristina Mietherhofer de Oliveira, Vladimir Lopes de Souza, Luiz Heleno
Moreira Duque.....27*

10:30 am – 11:00 am
Coffee Break

11:00 am – 12:30 pm
TECHNICAL SESSION 2

Chairs

Polyane Alves Santos
Lucas Muscia

**ALTERNATIVES USED FOR ELECTRIC ENERGY CONSUMPTION
REDUCTION FOR THIRD YEAR STUDENTS OF ENVIRONMENT AND
ELECTRONICS COURSE OF THE FEDERAL SCIENCE AND
TECHNOLOGY OF BAHIA INSTITUTE CAMPUS VITORIA DA
CONQUISTA**

*Polyane Alves Santos, Amanda Coqueiro Silva, Camila Santos Correa,
Domingos Teixeira da Silva Neto, Lara de Oliveira Carvalho, Manoel Messias
Coutinho Meira, Ricardo da Silva Reis.....28*

**ANALYSIS OF THE IMPLANTATION OF ENCOURAGING PRACTICES
OF ENVIRONMENTAL EDUCATION IN SCHOOLS**

*Amanda Coqueiro Silva, Camila Santos Correa, Domingos Teixeira da Silva
Neto, Lara de Oliveira Carvalho, Manoel Messias Coutinho Meira, Ricardo da
Silva Reis, Polyane Alves Santos28*

**ANALYSIS OF APPLICABILITY AND MAINTENANCE OF
ENVIRONMENTAL ACTIVITIES AND POLITICS IN UNIVERSITIES OF
VITÓRIA DA CONQUISTA – BA**

*Amanda Coqueiro Silva, Camila Santos Correa, Domingos Teixeira da Silva
Neto, Edson Viana Carvalho, Lara de Oliveira Carvalho, Manoel Messias
Coutinho Meira, Ricardo da Silva Reis, Polyane Alves Santos.....29*

**ANALYSIS OF APPLICABILITY AND MAINTENANCE OF
ENVIRONMENTAL POLICIES IN VITÓRIA DA CONQUISTA'S
UNIVERSITIES**

*Amanda Coqueiro Silva, Camila Santos Correa, Domingos Teixeira da Silva
Neto, Edson Viana Carvalho, Lara de Oliveira Carvalho, Manoel Messias
Coutinho Meira, Ricardo da Silva Reis, Polyane Alves Santos.....29*

**ANALYSIS OF INCENTIVE ENVIRONMENTAL EDUCATION THROUGH
THE FEDERAL INSTITUTE OF BAHIA OF VITÓRIA DA CONQUISTA IN
FUNCTION OF THE BEHAVIOR OF STUDENTS IN THE AREA OF
ENVIRONMENTAL**

*Amanda Coqueiro Silva, Camila Santos Correa, Domingos Teixeira da Silva
Neto, Edson Viana Carvalho, Lara de Oliveira Carvalho, Manoel Messias
Coutinho Meira, Ricardo da Silva Reis, Polyane Alves Santos.....30*

**ANALYSIS OF REVERSE OSMOSIS MEMBRANES IN THE TREATMENT
OF WATER FOR HUMAN CONSUMPTION**

*Claudio Dominighini, Lucas Muscia, Zulma Cataldi, Carlos Scurati, Marcelo
Olivero, Marcelo Gottardo.....30*

12:30 pm – 2:00 pm
LUNCH

2:00 pm –3:00 pm
TECHNICAL SESSION 3

Chairs

João Paulo Barbosa de Jesus
Adna Sandriele Oliveira Lima Medeiros

CHILDBIRTH IN ADOLESCENT - INCIDENCE AND CLINICAL INDICATIONS OF CESAREAN SECTION IN A TEACHING MATERNITY OF DISTRITO FEDERAL

Adna Sandriele Oliveira de Lima Medeiros, João Paulo Barbosa de Jesus, Eric Lima Mendonça do Nascimento, Draicienne Silva da Rocha, Franciolly Roberto Pires, Davi Silva dos Santos, Gondor Elias Ferreira Neto, Matheus Luan Queiroz Alves da Cunha, Caio Medeiros de Oliveira, Marcia Silva de Oliveira..... 31

DELIVERY IN ADOLESCENCE - INCIDENCE AND ANALYSIS OF PRACTICES DEVELOPED AN OBSTETRIC CENTER OF MEDICAL EDUCATION OF A MATERNITY HOSPITAL IN FEDERAL DISTRICT

Adna Sandriele Oliveira de Lima Medeiros, João Paulo Barbosa de Jesus, Eric Lima Mendonça do Nascimento, Draicienne Silva da Rocha, Franciolly Roberto Pires, Davi Silva dos Santos, Gondor Elias Ferreira Neto, Matheus Luan Queiroz Alves da Cunha, Caio Medeiros de Oliveira, Marcia Silva de Oliveira..... 31

PERCENTAGE OF LIVE BIRTHS BY NUMBER OF PRENATAL VISITS - A COMPARATIVE RETROSPECTIVE ANALYSIS, THE YEARS 2009-2013 BETWEEN THE FEDERAL DISTRICT AND DISTRICT ADMINISTRATIVE REGION

Adna Sandriele Oliveira de Lima Medeiros, João Paulo Barbosa de Jesus, Eric Lima Mendonça do Nascimento, Draicienne Silva da Rocha, Caio Medeiros de Oliveira, Elenice José Pereira, Marcia Silva de Oliveira 32

ANALYSIS OF MORTALITY RATIO IN A NATIVE ADMINISTRATION OF THE FEDERAL DISTRICT REGION - RETROSPECTIVE STUDY HALF DECADE OF ACTION

Adna Sandriele Oliveira de Lima Medeiros, João Paulo Barbosa de Jesus, Eric Lima Mendonça do Nascimento, Draicienne Silva da Rocha, Caio Medeiros de Oliveira, Elenice José Pereira, Marcia Silva de Oliveira 32

THE CONDITIONS OF THE BRAZILIAN HEALTH IN THE STANDARDS GOLD TREATMENT: CONDUCT WITH CEFOTAXINA IN NEONATE TO GONOCOCCAL CONJUNCTIVITI

Eric Lima Mendonça do Nascimento, Draicienne Silva da Rocha, Adna Sandriele Oliveira de Lima Medeiros, João Paulo Barbosa de Jesus, Caio Medeiros de Oliveira, Marcia Silva de Oliveira 33

EXTENSIVE CAVERNOUS HEMANGIOMA OF THE RIGHT HEMITHORAX: CASE REPORT

Adna Sandriele Oliveira de Lima Medeiros, Draicienne Silva da Rocha, Eric Lima Mendonça do Nascimento, João Paulo Barbosa de Jesus, Franciolly Roberto Pires, Caio Medeiros de Oliveira, Acimar Gonçalves da Cunha Júnior, Marcia Silva de Oliveira 33

GLIOBLASTOMA TREATED WITH FRACTIONATED STEREOTACTIC RADIOTHERAPY (REIRRADIATION PROTOCOL): A CASE REPORT OF LONG SURVIVAL

Franciolly Roberto Pires, Draicienne Silva da Rocha, Adna Sandrielle Oliveira de Lima Medeiros, Eric Lima Mendonça do Nascimento, João Paulo Barbosa de Jesus, Davi Silva dos Santos, Gabriela Oliveira de Sousa, Gondor Elias Ferreira Neto, Lucas do Carmo Souza, Ludmila de Oliveira Jaime Sales, Matheus Luan Queiroz Alves da Cunha, Caio Medeiros de Oliveira, Marcia Silva de Oliveira 34

BILATERAL WILMS' TUMOR – CONSERVATIVE SURGICAL TREATMENT WITH PRESERVATION OF RENAL FUNCTION: A CASE REPORT

Franciolly Roberto Pires, Draicienne Silva da Rocha, Adna Sandrielle Oliveira de Lima Medeiros, Eric Lima Mendonça do Nascimento, João Paulo Barbosa de Jesus, Davi Silva dos Santos, Gabriela Oliveira de Sousa, Gondor Elias Ferreira Neto, Lucas do Carmo Souza, Ludmila de Oliveira Jaime Sales, Matheus Luan Queiroz Alves da Cunha, Caio Medeiros de Oliveira, Acimar Gonçalves da Cunha Júnior, Marcia Silva de Oliveira..... 34

3:00 pm – 4:00 pm
TECHNICAL SESSION 4

Chairs

Draicienne Silva da Rocha
Adna Sandrielle Oliveira Lima Medeiros

RESEARCH AND PARTICIPATION, KNOWLEDGE AND ACTING: A CHALLENGE FOR STUDENT'S INTENTION CONCERNING THE DECISION TO PROCEED OR NOT WITH A CANCER TREATMENT DURING PREGNANCY

Ludmila de Oliveira Jaime Sales, Draicienne Silva da Rocha, Anna Clara Barros Regatieri, Ana Yasmin Rodrigues Machado Portela, Bianca Cordeiro da Silva Trigueiro, Bruna Viana Dias, Davi Silva Dos Santos, Franciolly Roberto Pires, Gabriela Oliveira de Sousa, Gondor Elias Ferreira Neto, Lucas do Carmo Souza, Mariano Fernando Soares De Araújo, Matheus Luan Queiroz Alves da Cunha, Victor Monsores Osaki, David Barreira Gomes Sobrinho, Marcia Silva de Oliveira 35

MEDICAL STUDENTS KNOWLEDGE ASSESMENT ABOUT THE IMPORTANCE OF PRENATAL CARE IN PREVENTION OF CONGENITAL SYPHILIS

Franciolly Roberto Pires, Draicienne Silva da Rocha, Davi Silva dos Santos, Gabriela Oliveira de Sousa, Gondor Elias Ferreira Neto, Lucas do Carmo Souza, Ludmila de Oliveira Jaime Sales, Matheus Luan Queiroz Alves da Cunha, Marcia Silva de Oliveira 35

BRASILIA CPR PROJECT: THE UNIFIED HEALTH SYSTEM PLATFORM TO DEVELOP THE MODEL “STRUCTURE, PROCESS, SYSTEM AND RESULT (SPSO)”

Adna Sandrielle Oliveira de Lima Medeiros, Amanda Silva Franco, Ataul Moura Guimarães, Matheus Luan Queiroz Alves da Cunha, Fernando Henrique Costa Lemos, Karina Mezalira, Lucas Rodrigues de Oliveira, Luciano Santos Sampaio, Mayane Santana de Oliveira, Julisse Marcela

Nepomuceno Aragão, Eunilson Alves de Lima Júnior, Marcia Silva de Oliveira, Glayson Carlos Miranda Verner 36

EPIDEMIOLOGICAL PROFILE OF THE POPULATION OF A SECONDARY PUBLIC HOSPITAL ATTENDED BY A RAPID RESPONSE TEAM CARDIOPULMONARY RESUSCITATION PILOT

Adna Sandrielle Oliveira de Lima Medeiros, Amanda Silva Franco, Ataul Moura Guimarães, Matheus Luan Queiroz Alves da Cunha, Fernando Henrique Costa Lemos, Karina Mezalira, Lucas Rodrigues de Oliveira, Luciano Santos Sampaio, Mayane Santana de Oliveira, Julisse Marcela Nepomuceno Aragão, Maxwell Trindade Ferreira, Eunilson Alves de Lima Júnior, Marcia Silva de Oliveira, Glayson Carlos Miranda Verner 36

BRÁSÍLIA CARDIOPULMONAR RESUSCITATION PROJECT (BRÁSÍLIA CPR PROJECT) - IMPACT ASSESSMENT

Adna Sandrielle Oliveira de Lima Medeiros, Amanda Silva Franco, Ataul Moura Guimarães, Matheus Luan Queiroz Alves da Cunha, Fernando Henrique Costa Lemos, Karina Mezalira, Lucas Rodrigues de Oliveira, Luciano Santos Sampaio, Mayane Santana de Oliveira, Julisse Marcela Nepomuceno Aragão, Thiago do nascimento Bezerra, Eunilson Alves de Lima Júnior, Marcia Silva de Oliveira, Glayson Carlos Miranda Verner 37

RESUSCITATION HIGH QUALITY CARDIOPULMONARY FOR A QUICK RESPONSE TIME IN A HOSPITAL PUBLIC SECONDARY FEDERAL DISTRICT

Adna Sandrielle Oliveira de Lima Medeiros, Amanda Silva Franco, Ataul Moura Guimarães, Matheus Luan Queiroz Alves da Cunha, Fernando Henrique Costa Lemos, Karina Mezalira, Lucas Rodrigues de Oliveira, Luciano Santos Sampaio, Mayane Santana de Oliveira, Julisse Marcela Nepomuceno Aragão, Luciano Moraes da Cruz, Eunilson Alves de Lima Júnior, Marcia Silva de Oliveira, Glayson Carlos Miranda Verner 37

HRG CPR TEAM - TEAM QUICK RESPONSE CARDIOPULMONARY RESUSCITATION: EXPERIENCE OF A PILOT IN A SECONDARY PUBLIC HOSPITAL IN THE FEDERAL DISTRICT

Adna Sandrielle Oliveira de Lima Medeiros, Amanda Silva Franco, Ataul Moura Guimarães, Matheus Luan Queiroz Alves da Cunha, Fernando Henrique Costa Lemos, Karina Mezalira, Lucas Rodrigues de Oliveira, Luciano Santos Sampaio, Mayane Santana de Oliveira, Julisse Marcela Nepomuceno Aragão, Eli Carlos Trindade Ferreira, Eunilson Alves de Lima Júnior, Marcia Silva de Oliveira, Glayson Carlos Miranda Verner 38

PRACTICE BASED EVIDENCE AND “PERIOPERATIVE NURSING”: THE ART’S STATE IN MULTIDISCIPLINARY ASSESSMET EXPERIENCE OF PERIOPERATIVE EVALUATION

Adna Sandrielle Oliveira de Lima Medeiros, Jéssica Coli Dantas, Thiago Nunes Figueiredo Cabral, Luciano Santos Sampaio, Rayanne Cristina Araújo Balbino, Celi Regina Matias Tomás Pedroso, Marcia Silva de Oliveira, Glayson Carlos Miranda Verner 38

4:00 pm – 4:30 pm

Coffee Break

4:30 pm – 5:30 pm

ROUND TABLE 2

Chair: **Prof. Dr. Melany M. Ciampi** – President of SHERO

Title: **TECNOLOGIA, SUSTENTABILIDADE E RESPONSABILIDADE SOCIAL: TRÍADE À PRESERVAÇÃO AMBIENTAL** (in Portuguese)

Speakers: **Prof. Dr. André L.L. Reda** – Presbyterian University Mackenzie and Mauá Institute of Technology
Wesley Silveira – TIPEMSE/UNEB

5:30 pm – 6:00 pm

CULTURAL SESSION VI

Visit to UNEB stream- photographic activity

8:00 pm – 11:00 pm

CONGRESS DINNER

Congress dinner is a pleasant way to gather and to close a successful conference accompanied by the colleagues in a beautiful and inspiring environment. The tickets will be available at the reception desk.

Wednesday – July, 27

8:30 am – 3:30 pm
REGISTRATION

9:00 am – 10:30 am
WORKSHOP I

**TÉCNICAS CONTEMPORÂNEAS E SUSTENTÁVEIS DE AQUARELA PARA
REDUÇÃO DE ESTRESSE** (in Portuguese)
Manoel Messias Coutinho Meira – IFBA, **Sandra Palmeiro** –
TIPEMSE/UNEB

10:30 am – 11:00 am
Coffee Break

11:00 am – 12:30 pm
WORKSHOP II

**STARTUP E EMPREENDEDORISMO DIGITAL: FORMAS DE INICIAR UM
NEGÓCIO ONLINE** (in Portuguese)
Juliana Brito – Startup Viva Sucesso, **Danilo Caetano** – Acarajé Valley,
Polyane Alves – IFBA

12:30 pm – 2:00 pm
LUNCH

2:00 pm – 4:00 pm
WORKSHOP III

**"WORLD CAFÉ" COMO ESTRATÉGIA PARA APROXIMAÇÕES TEÓRICA-
EPISTEMOLÓGICAS DA PESQUISA-AÇÃO** (in Portuguese)
Michel Jean-Marie Thiollent – UFRJ/UNIGRANRIO, **Valnice Sousa Paiva** –
UNEB, **Anaie Leite Silva Morais** – Cooperforte Institute

4:00 pm – 4:30 pm
Coffee Break

4:30 pm – 6:00 pm
CLOSING SESSION

Chair: **Prof. Claudio da Rocha Brito** – General Chair of SHEWC'2016
Prof. Melany M. Ciampi – Technical Program Chair of SHEWC'2016
Prof. Valnice Sousa Paiva – Local Chair of SHEWC'2016
Prof. Jucineide Lessa de Carvalho – Vice Local Chair of SHEWC'2016

**RESEARCH AND PARTICIPATION,
KNOWLEDGE AND ACTING:
A CHALLENGE FOR THE
RESEARCHER IN CONTEMPORARY TIMES**

ABSTRACTS

**July 24-27, 2016
Salvador, Brazil**

**Edited by
Claudio da Rocha Brito
Melany M. Ciampi**

SHERO

Safety, Health and Environment
Research Organization



Science and Education
Research Council

PLENARY SESSION

RESEARCH AND PARTICIPATION, KNOWLEDGE AND ACTING: A CHALLENGE FOR THE RESEARCHER IN CONTEMPORARY TIMES

Claudio da Rocha Brito, Melany M. Ciampi, Victor Freitas de Azeredo Barros

SHEWC - Safety, Health and Environment World Congress is a congress that has been happening for 16 years and it is a congress that has been counting with many organizations participation besides authors and researchers from many parts of the world. It shows that it is an idea that encounters the expectations of scientific and research environment. This edition SHEWC'2016 is organized by COPEC – Science and Education Research Council and promoted by SHERO – Safety, Health and Environment Research Organization in UNEB. These 3 organizations have been working together putting up a top scientific congress with quality and impact in academic and professional communities. SHEWC'2016 has the collaboration of many scientists in the several fields of expertise, and what makes it an extremely interesting event is the transdisciplinarity that exists in treating the environmental and health subject where this is discussed and examined in all their aspects.

TECHNICAL SESSION 1

URBANIZATION, CLIMATE CHANGES AND FLOOD DETENTION PONDS: COMPARISON BETWEEN SMALL AND LARGE SCALE SOLUTIONS

André Luiz de Lima Reda, Jorge Makoto Tomita, Magda Aparecida Salgueiro Duro, Ana Lúcia da Fonseca Bragança Pinheiro, Ana Júlia Ferreira Rocha

Floods and urban inundation due to rainstorm cause trouble to population, particularly at risky areas. Examples are traffic obstruction and material and life losses due to inundation itself and mountain slope displacement. Changes in urbanisation and climate may increase not only the consequences of heavy rain, but also its intensity. The paper initially revises both these aspects; then, proposes the contribution of flood detention ponds such as to help mitigate the lack of natural flood dampening caused by many aspects of the urbanisation process – beyond the two ones just mentioned. A typical example of this solution is The Greater São Paulo Area, where a mid-size catchment was selected to compare two solution strategies, namely: adopting a single detention pond at its discharge point or considering small detention ponds at each private built area, or land plot. The conclusion suggests close results for these two alternatives.

INNOVATION IN WASTEWATER TREATMENT AT AN ISOLATED SYSTEM: FEASIBILITY OF APPLYING THE CLEARTEC® TECHNOLOGY TO A CLOSED CONDOMINIUM

*Hannah Caroline Proença, Luiza Helena Pereira Souza, Wernner Jardim,
Eduardo Tadeu Lacreta de Toledo Filho, Adilton Douglas Schiavon Felix, André
Luiz de Lima Reda*

The objective of this study is to reach a preliminary comparison between two different types of sewage treatment systems, both under the technical, and the economic aspect. One of the two private, sludge digestion systems is composed by a UASB (after “Upflow Anaerobic Sludge Blanket” digestion) unit followed by an Activated Sludge unit, while the other one consists of an Activated Sludge unit complemented by “Cleartec®” technology. The measured results allowed concluding that the treatment module comprising UASB and Activated Sludge seems to be more economical in terms of treatment plant construction and installation costs, that is, when focusing on the short term, capital costs. However, in terms of pollutant removal speed, the Cleartec® technology allied to Activated Sludge seems be more efficient – therefore, becoming more advantageous than the former method in the longer term.

IDENTIFICATION AND HIERARCHIZATION OF AREAS THAT CONCENTRATE YOUNG POPULATION VULNERABLE TO DEADLY VIOLENCE IN THE STATE OF ALAGOAS, BRAZIL, 2004/2012

Carlos Mauricio Rocha Barroso, José Vicente Ferreira Neto

Violence has been cited as a major problem in public health in the world. Such a problem is getting worse because the young people are, currently, the biggest victims. This job uses Exploratory Spatial Data Analysis in order to identify and prioritize vulnerable areas to youth deadly violence in Alagoas state - first in the Brazilian ranking for youth murder rates 2006/2012. From secondary data, period 2004/2012, were calculated the juvenile homicide rates every three years for the 102 municipalities of Alagoas state. It was found that there is spatial autocorrelation for rates, between the municipalities, because the Global Moran's I coefficients were positive and significant in three years' periods. Through Local Moran's I, displayed by Box Map and Moran Map, it was possible to identify significant clusters ($p < 0.05$), characterized as high-high. Such clusters, six municipalities showed temporal stability, indicative of priority municipalities for implementation of monitoring and control actions.

PROFESSIONAL TRAINING FOR SCHOOL COOKERS FROM PUXINANÃ- PB

Clara Caroline Monteiro, Ruann Rafael Costa, Ana Luiza Mattos Braga

The aim of this paper was to describe the training process for school cooks from the lecture plan preparation towards evaluation by the targetted group. This

work was conducted at the Puxinanã Public School during 3 months. 50 cookers were evaluated through questions about Food Security and Food Manufacture Good Practices. The results showed that the course was effective in terms of cookers learning denoted by the high scores.

MALNUTRITION IN CHILDREN: POSSIBILITIES TO OVERCOME THIS CHALLENGE BY INCLUDING FOOD AND NUTRITION EDUCATION AT BASIC SCHOOL

Lídia da Silva Monteiro, Ruann Rafael Costa, Ana Luiza Mattos Braga

The objective of this work was to expose the daily experience during the Food and Nutritional Education Program hold for 4-5 years old scholars. This program was conducted in a condensed format during February 2016 so that one could evaluate the feasibility of introducing such type of course for 4-5 years children. The course had the following subjects: children nutrition, Non-healthy Foods, Children Health and healthy behaviors. 197 children from both sexes divided in 9 classes followed the course, which had 1 h lecture twice a week. According to the schoolteachers and managers it was possible to identify that the initiative had a positive feedback. In addition, some parents revealed that their children were changing their eating behavior at home towards a healthier way.

ANALYSIS OF CONTROL IN ACADEMIC POSTURAL OF PHYSICAL THERAPY THROUGH KINEMATICS

Livia Cristina Mietherhofer de Oliveira, Vladimir Lopes de Souza, Luiz Heleno Moreira Duque

The present study aimed to evaluate the angles of "T test" through the kinematics and the possible correlations of postural control. Participated in this study 20 women physical therapy students, aged between 18 and 30, were subjected to evaluation, we used the Kinovea program to measure the extent of angular movement of two cameras. In the main camera were measured trunk flexion angles, unilateral hip extension and longitudinal angle, the camera support; bending; cross; and leg support. We used the Pearson correlation coefficient, and there was a strong negative correlation between the ipsilateral trunk flexion angles with the cross. The test was effective when correlated between trunk flexion angles contralateral when analyzed simultaneously for both cameras, observing a strong negative correlation, with an indication that there was hip rotation. It is necessary to study a three-dimensional measuring this rotation.

TECHNICAL SESSION 2

ALTERNATIVES USED FOR ELECTRIC ENERGY CONSUMPTION REDUCTION FOR THIRD YEAR STUDENTS OF ENVIRONMENT AND ELECTRONICS COURSE OF THE FEDERAL SCIENCE AND TECHNOLOGY OF BAHIA INSTITUTE CAMPUS VITORIA DA CONQUISTA

*Polyane Alves Santos, Amanda Coqueiro Silva, Camila Santos Correa,
Domingos Teixeira da Silva Neto, Lara de Oliveira Carvalho, Manoel Messias
Coutinho Meira, Ricardo da Silva Reis*

With the increase in the amount paid for electricity consumption, and therefore undermines the family income, it is clear that people begin to use tips for saving electricity. This study aimed to identify whether the senior students of technical courses of Environment and Electronic Federal Institute of Science Education and Bahia Technology after knowledge acquired by educational and vocational training began using the reduction of electricity consumption and which alternatives were adopted. During the study, it was found that most students interviewed also considered it important to preserve the environment in the conscious consumption of electricity. A relevant factor found in research is that knowledge acquired in school was responsible for the respondents changed their attitudes about energy consumption.

ANALYSIS OF THE IMPLANTATION OF ENCOURAGING PRACTICES OF ENVIRONMENTAL EDUCATION IN SCHOOLS

*Amanda Coqueiro Silva, Camila Santos Correa, Domingos Teixeira da Silva
Neto, Lara de Oliveira Carvalho, Manoel Messias Coutinho Meira, Ricardo da
Silva Reis, Polyane Alves Santos*

One of the flaws of Brazilian education is the lack of incentives to exercise environmental education in schools, especially in elementary school, which is school based. Because of this educational deficiency, environmental concepts and practices are sustainable were the reality of the majority of the population. This work aims to raise the question about environmental education in schools, private and public, in Brazil. Through questionnaires it was possible to verify the current situation of this curricular component and its importance in all school stages, including in universities. It also examined how some schools of Vitória da Conquista deploy sustainable practices in the school environment. It is proposed then new methods of inserting environmental issues in educational institutions, which may promote frequent debates in the communities in order to educate the public, especially the education of the poorer in relation to the environment.

ANALYSIS OF APPLICABILITY AND MAINTENANCE OF ENVIRONMENTAL ACTIVITIES AND POLITICS IN UNIVERSITIES OF VITÓRIA DA CONQUISTA – BA

Amanda Coqueiro Silva, Camila Santos Correa, Domingos Teixeira da Silva Neto, Edson Viana Carvalho, Lara de Oliveira Carvalho, Manoel Messias Coutinho Meira, Ricardo da Silva Reis, Polyane Alves Santos

Due to the scarcity and low effectiveness of environmental policies in Vitoria da Conquista colleges / BA, there is the need to implement programs that encourage sustainability, leverage efforts to conserve natural resources and compose in an integrated manner, sustainable universities. This research is structured to analyze and reflect on the interface between projects and applicability of institutional environmental initiatives. The study aims to check the activities and programs on campus that encourage good practices related to the environment as well as your joints and maintenance, seeking to evaluate their characteristics and impacts on organizational management and local social development. The prospect of the work is qualitative with descriptive design, in which we collected data that helped in the evaluation process of the universities. The importance of research in this format is the incorporation of issues that affect higher education institutions (HEIs) in general, causing environmental, social and economic.

ANALYSIS OF APPLICABILITY AND MAINTENANCE OF ENVIRONMENTAL POLICIES IN VITÓRIA DA CONQUISTA'S UNIVERSITIES

Amanda Coqueiro Silva, Camila Santos Correa, Domingos Teixeira da Silva Neto, Edson Viana Carvalho, Lara de Oliveira Carvalho, Manoel Messias Coutinho Meira, Ricardo da Silva Reis, Polyane Alves Santos

The environmental problems have been worsening each time more are considered a world reality, therefore, there is the need to invest in promoting sustainable practices in order to minimize the degradation of nature. The insertion at the universities of themes related to sustainability presents a great importance for the institution, as well as for the students, since the creation of environmental policies and the inclusion of environmental education is possible to verify the change of students' behavior in their daily lives. The present work has as its main objectives to identify the attitudes of students of universities of Vitória da Conquista - BA regarding the preservation of the environment, find out if there is a stimulus of colleges in search of environmental awareness of future professionals, and seeking to reverse the high problematic rate.

ANALYSIS OF INCENTIVE ENVIRONMENTAL EDUCATION THROUGH THE FEDERAL INSTITUTE OF BAHIA OF VITÓRIA DA CONQUISTA IN FUNCTION OF THE BEHAVIOR OF STUDENTS IN THE AREA OF ENVIRONMENTAL

Amanda Coqueiro Silva, Camila Santos Correa, Domingos Teixeira da Silva Neto, Edson Viana Carvalho, Lara de Oliveira Carvalho, Manoel Messias Coutinho Meira, Ricardo da Silva Reis, Polyane Alves Santos

Due to the high disinterest rate of individuals with nature, the expectation of achieving cooperation related to environmental preservation has become a complicated mission, bringing negative effects to society. It is noticed that in some universities there are still no alternatives to minimize environmental impacts. Therefore, there needs to be a concern of Higher Education Institutions (HEIs) regarding these problems, and for this, it is necessary to pass on to students the importance of environmental education, with the aim of contributing to the attitudes of students in their daily lives. Such research presents an analysis of the role of the Federal Institute of Education, Science and Technology of Bahia (IFBA) of the city of Vitória da Conquista in relation to the stimulation of sustainable practices by the institution's students. Also took a field research that was performed in college in order to collect data for the development of the work.

ANALYSIS OF REVERSE OSMOSIS MEMBRANES IN THE TREATMENT OF WATER FOR HUMAN CONSUMPTION

Claudio Dominighini, Lucas Muscia, Zulma Cataldi, Carlos Scurati, Marcelo Olivero, Marcelo Gottardo

A study on water treatment technology for human consumption was performed using the reverse osmosis method. The main project's objective is to physically and chemically analyze the reverse osmosis membranes to treat ground water with high levels of arsenic. The analyses of the reverse osmosis membrane samples revealed some of the properties and shape of the fibers and fabrics that constitute the whole reverse osmosis column. One of the main problems was that the membrane layer itself does not have a defined and repetitive geometric structure. On the contrary, it is a structure with long interwoven fibers that are not uniformly distributed, which makes it impossible to determine a structural geometric sequence, thus not allowing determination of the membrane's pore diameter. Future studies will seek to conduct analyses for the determination of porosity in solids that are viable for the calculation of porosity in the semipermeable membrane.

TECHNICAL SESSION 3

CHILDBIRTH IN ADOLESCENT - INCIDENCE AND CLINICAL INDICATIONS OF CESAREAN SECTION IN A TEACHING MATERNITY OF DISTRITO FEDERAL

Adna Sandrielle Oliveira de Lima Medeiros, João Paulo Barbosa de Jesus, Eric Lima Mendonça do Nascimento, Draicienne Silva da Rocha, Franciolly Roberto Pires, Davi Silva dos Santos, Gondor Elias Ferreira Neto, Matheus Luan Queiroz Alves da Cunha, Caio Medeiros de Oliveira, Marcia Silva de Oliveira

Studies show a higher cesarean rates in the general population, which may reflect the young population. to analyze the delivery profile and incidence of adolescents cesarean section in a Distrito Federal teaching maternity. retrospective cross-sectional study with documental analysis of teenagers attended from 2011-2015. Variables considered in the study - age, year and delivery. of the 4,763 births between 2011-2015, it were 255 births in adolescents. In this group, the incidence was 74 (29%) cesarean sections, 100% were related to obstetric complications. The main indications: breech presentation in 14.9% of deliveries, placenta previa 12.2%, acute fetal distress 10.8%, prolonged active phase 5.4%. There was no evidence correlations between age and cesarean delivery. High rates of cesarean delivery may be related to the fact that this is a reference hospital for high-risk pregnancy. The most frequent complications are similar to those observed in the literature.

DELIVERY IN ADOLESCENCE - INCIDENCE AND ANALYSIS OF PRACTICES DEVELOPED AN OBSTETRIC CENTER OF MEDICAL EDUCATION OF A MATERNITY HOSPITAL IN FEDERAL DISTRICT

Adna Sandrielle Oliveira de Lima Medeiros, João Paulo Barbosa de Jesus, Eric Lima Mendonça do Nascimento, Draicienne Silva da Rocha, Franciolly Roberto Pires, Davi Silva dos Santos, Gondor Elias Ferreira Neto, Matheus Luan Queiroz Alves da Cunha, Caio Medeiros de Oliveira, Marcia Silva de Oliveira

The increase in teen pregnancy shows the importance of public policies focused on the reproductive health of this population. To trace delivery profile and clinical practices in adolescents from a maternity school in the Federal District. A cross-sectional retrospective study, with documentary analysis of teenagers attended from 2011-2015. Variables considered -Age year and delivery. Of 4,763 births in the period, 255 (5.35%) deliveries were in adolescents. In this group, the incidence was 74 (29%) cesarean section and 181 (71%) vaginal deliveries. Abdominal deliveries, 100% were related to obstetrical events where we can highlight: breech (11 deliveries, 14.9%) and placenta previa (9 to 12.2%). Vaginal, 102 (56.3%) were not subjected to any obstetric procedure, but 64 (35.3%) deliveries required episiotomy. No correlation was observed between age and obstetrical procedures. The adolescent birth profile corroborates the literature on the incidence and type of complications.

PERCENTAGE OF LIVE BIRTHS BY NUMBER OF PRENATAL VISITS - A COMPARATIVE RETROSPECTIVE ANALYSIS, THE YEARS 2009-2013 BETWEEN THE FEDERAL DISTRICT AND DISTRICT ADMINISTRATIVE REGION

Adna Sandrielle Oliveira de Lima Medeiros, João Paulo Barbosa de Jesus, Eric Lima Mendonça do Nascimento, Draicienne Silva da Rocha, Caio Medeiros de Oliveira, Elenice José Pereira, Marcia Silva de Oliveira

Maternal mortality rates are high in Brazil, but there are positive impact of government programs in the defense of vaginal delivery. Analyze deliveries in an Administrative Region of the Federal District in 2009-2014. Ccross-sectional study retrospective, with extracted sample SINASC-MS / SVS / DASIS and the Death Mother and Child Regional Committee. Analysis conducted by Prism software version-4.01. Of the 18,939 live births (LB) 2009-2014, in relative and absolute terms we can point out that 12,540 (66.2%) were vaginal deliveries, and 6,399 (43.8%) caesarean. The annual analysis showed that in 2009, the 3120 NV 65.4% were vaginal and 34.6% cesareans; 2010 65.7% 34.3% vaginal and cesarean sections; 2011 3095NV and 2012 - 3063NV, 65% and 35% vaginal cesareans; 2013 3031NV, with 69% and 31% vaginal cesarean progressing in 2014 to 70% vaginal and cesarean sections 30% of 3321 NV. In recent years there has been an increase of vaginal deliveries and caesarean reduction in Administrative Region, which represented positive impact of government programs.

ANALYSIS OF MORTALITY RATIO IN A NATIVE ADMINISTRATION OF THE FEDERAL DISTRICT REGION - RETROSPECTIVE STUDY HALF DECADE OF ACTION

Adna Sandrielle Oliveira de Lima Medeiros, João Paulo Barbosa de Jesus, Eric Lima Mendonça do Nascimento, Draicienne Silva da Rocha, Caio Medeiros de Oliveira, Elenice José Pereira, Marcia Silva de Oliveira

The evaluation of the quality of health in childbearing-aged women is defined by the factors associated with maternal mortality, reduce this indicator is to promote health. By analyzing the maternal mortality ratio (MMR) in an Region of the Federal District between 2009-2014 through a retrospective cross-sectional study with sample extracted SINASC-MS / SVS / DASIS and the Death Mother and Child Regional Committee can verify analysis conducted by Prism version 1.4 software, and indicators for the year showed in 2009, a MMR of 96.1: 100 000 live births; in 2010 it ranged in descending character to 66.6; following up in the years 2011 and 2012, respectively 96.9 and 97.9; and decreasing, 65.4 in 2013 and 60.2 in 2014. The figures, still above acceptable if listed as worrisome and require direct action in the context of primary care. But the downward trend shown may reflect as a result of public policies implemented by the governments.

THE CONDITIONS OF THE BRAZILIAN HEALTH IN THE STANDARDS GOLD TREATMENT: CONDUCT WITH CEFOTAXINA IN NEONATE TO GONOCOCCAL CONJUNCTIVITI

Eric Lima Mendonça do Nascimento, Draicienne Silva da Rocha, Adna Sandrielle Oliveira de Lima Medeiros, João Paulo Barbosa de Jesus, Caio Medeiros de Oliveira, Marcia Silva de Oliveira

It is defined as ophthalmia neonatorum, a form of conjunctivitis that occurs in the first four weeks of life. It may be caused by Chlamydia trachomatis, Neisseria gonorrhoeae, Herpes simplex, Streptococcus pneumoniae or other infectious agents. However, the most severe form is gonococcal conjunctivitis. The conjunctivitis is usually contracted during delivery by contaminated birth canal from a mother infected, unlikely to happen on cesarean section. Medical management with drugs considered second-line treatment, widely used in Brazil, have shown as more effective with administration of Claforan (Cefotaxime) for 7 days, compared to the gold standard Crystalline Penicillin. Outcomes: healing and total elimination of bacterial focus followed by outpatient therapy. Studies show that treatment with Cefotaxime is more effective in 78% of cases of gonococcal ophthalmia in newborns, however, what to expect for the near future? Using multiple medications and sensitize the population that it can become an imminent risk, causing bacterial resistance, reducing the effectiveness of drugs designed to cure or prevent infections.

EXTENSIVE CAVERNOUS HEMANGIOMA OF THE RIGHT HEMITHORAX: CASE REPORT

Adna Sandrielle Oliveira de Lima Medeiros, Draicienne Silva da Rocha, Eric Lima Mendonça do Nascimento, João Paulo Barbosa de Jesus, Franciolly Roberto Pires, Caio Medeiros de Oliveira, Acimar Gonçalves da Cunha Júnior, Marcia Silva de Oliveira

Hemangiomas are benign vascular tumors, usually asymptomatic and commonly described in several organs, but the breast doesn't presented as usual location. Hemangiomas are described in 1.2% of the mastectomies and in until 11% of post-mortem studies. Case report: I.F.P., female, 65 years old, presented to ectoscopy, right breast with skin compromised by purplish diffuse nodules, characterized by an extensive hemangioma, which occupied the entire right hemithorax and the ipsilateral upper limb. Mammography showed vascular lesions predominantly in superolateral quadrant and axillary extension. Computed tomography of the chest revealed nodules suggestive of hemangioma in the right breast and the biopsy confirmed the diagnosis of cavernous hemangioma. Currently, the patient does accompaniment 2 in 2 years with angiologist and does use of one tablet per day of diosmin. Comments: hemangioma is a rare involvement of the breast, which represents in women, a place of aesthetic and functional risk.

GLIOBLASTOMA TREATED WITH FRACTIONATED STEREOTACTIC RADIOTHERAPY (REIRRADIATION PROTOCOL): A CASE REPORT OF LONG SURVIVAL

Franciolly Roberto Pires, Draicienne Silva da Rocha, Adna Sandrielle Oliveira de Lima Medeiros, Eric Lima Mendonça do Nascimento, João Paulo Barbosa de Jesus, Davi Silva dos Santos, Gabriela Oliveira de Sousa, Gondor Elias Ferreira Neto, Lucas do Carmo Souza, Ludmila de Oliveira Jaime Sales, Matheus Luan Queiroz Alves da Cunha, Caio Medeiros de Oliveira, Marcia Silva de Oliveira

The overall survival of the aggressive glioblastoma is usually 14,6 months, using chemotherapy. Besides that, only 10% of individuals with this tumor survives more than 5 years, according to the American Brain Tumor Association (ABTA). We report a case of a male, 35 years old, with history of cancer in first and second degree of kinship, former smoker. He sought medical assistance after an episode of seizure in 2007 and realized a computed tomography, suggesting a diagnosis of glioblastoma, later confirmed with a brain biopsy. Since then, held three neurosurgeries in six years, with radiation therapy and neoadjuvant chemotherapy. Following surgical treatment, fractionated stereotactic radiotherapy was initiated (Reirradiation protocol), with daily doses over 25 sessions, in the region of the lesion. Evolved with good tolerance during treatment. The patient had a two years survival rate, and eventually died from a relapse of the tumor. Our objective is to evaluate the patient according to the therapeutic conduct, and suggest the effectiveness of the reirradiation protocol in prolonging the survival rate in cases of aggressive glioblastoma.

BILATERAL WILMS' TUMOR – CONSERVATIVE SURGICAL TREATMENT WITH PRESERVATION OF RENAL FUNCTION: A CASE REPORT

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Wilms' tumor is the main renal malignancy in childhood, accounting for 6% of pediatric tumors. Bilateral involvement occurs in 7% of cases. Case report: female patient, 7 years old, with Beckwith-Wiedmann Syndrome, presenting bilateral renal tumors. Laboratory study and scintigraphy showed preserved renal function bilaterally. Neoadjuvant chemotherapy was done for 6 weeks. After preoperative chemotherapy the patient underwent bilateral partial nephrectomy, which revealed: nephroblastoma three-phase standard, invasion of renal capsule; nephroblastomatosis. Three months after completion of chemotherapy there was a recurrence bilaterally. It was restarted new chemotherapy regimen and reoperation with complete macroscopic resection. Patient is in outpatient accompaniment free of disease and with preservation of renal function. Discussion: patients with Wilms' tumor have a good prognosis

with cure rates in up to 95%. Conclusion: stands out the importance of conservative surgical treatment in cases of bilateral tumors with preservation of normal renal function.

TECHNICAL SESSION 4

STUDENT'S INTENTION CONCERNING THE DECISION TO PROCEED OR NOT WITH A CANCER TREATMENT DURING PREGNANCY

Ludmila de Oliveira Jaime Sales, Draicienne Silva da Rocha, Anna Clara Barros Regatieri, Ana Yasmin Rodrigues Machado Portela, Bianca Cordeiro da Silva Trigueiro, Bruna Viana Dias, Davi Silva Dos Santos, Franciolly Roberto Pires, Gabriela Oliveira de Sousa, Gondor Elias Ferreira Neto, Lucas do Carmo Souza, Mariano Fernando Soares De Araújo, Matheus Luan Queiroz Alves da Cunha, Victor Monsores Osaki, David Barreira Gomes Sobrinho, Marcia Silva de Oliveira

The objective was to evaluate the decision of the potential mothers to treat the cancer or to prioritize her pregnancy.: A Cross-sectional study, was conducted through a quiz given to 329 students. The survey proposed the hypothetical situation of developing cancer during their pregnancy. Interviewees were separated into two main groups: (1) women with children; and (2) women without children to determine whether or not having children interfere on their decision. Data were compared using chi-square test ,and $p < 0.05$. The interviewee's average age was 22 (+]- 6,2) years old, predominately medical students (38%) among the other courses. Most of them were single (81%), without children (82%), with no history of abortion (97%) or cancer (99%). No difference was found comparing the group answers. Was concluded that women decides to treat the cancer despite the possibility of abortion, presence of children doesn't influence this decision.

MEDICAL STUDENTS KNOWLEDGE ASSESMENT ABOUT THE IMPORTANCE OF PRENATAL CARE IN PREVENTION OF CONGENITAL SYPHILIS

Franciolly Roberto Pires, Draicienne Silva da Rocha, Davi Silva dos Santos, Gabriela Oliveira de Sousa, Gondor Elias Ferreira Neto, Lucas do Carmo Souza, Ludmila de Oliveira Jaime Sales, Matheus Luan Queiroz Alves da Cunha, Marcia Silva de Oliveira

The objective was to evaluate the knowledge of medical students about the importance of prenatal care in the prevention of congenital syphilis. Through observational cross-sectional analytical study of the survey type, and a questionnaire applied in 2015, it was compared the relationship between the self and the success rate obtained in the questionnaire. Of the 258 students evaluated the average age was 22 years and the majority (60.9%) were women. In relation to self-knowledge, it was observed that most students (36.7%) said to

know 60% about the subject researched and 2,7% said they didn't have any knowledge. About the knowledge index, 46,4% obtained 80% of correct answers, 26.7% obtained 60%, 13.9% obtained 100%, 9,66% obtained 40% and 0,7% obtained 0. Most part of students didn't know how often and which moments the VDRL should be made during pregnancy, despite having a good knowledge about congenital syphilis.

BRASILIA CPR PROJECT: THE UNIFIED HEALTH SYSTEM PLATFORM TO DEVELOP THE MODEL "STRUCTURE, PROCESS, SYSTEM AND RESULT (SPSO)"

Adna Sandrielle Oliveira de Lima Medeiros, Amanda Silva Franco, Ataul Moura Guimarães, Matheus Luan Queiroz Alves da Cunha, Fernando Henrique Costa Lemos, Karina Mezalira, Lucas Rodrigues de Oliveira, Luciano Santos Sampaio, Mayane Santana de Oliveira, Julisse Marcela Nepomuceno Aragão, Eunilson Alves de Lima Júnior, Marcia Silva de Oliveira, Glayson Carlos Miranda Verner

The Brasilia Cardiopulmonary Resuscitation Project (CPR Brasilia Project) is a pioneering education and research project of integrative and multidisciplinary basis in the science of resuscitation. Developed in a public hospital in the Federal District, it explores the recommended newborn (ILCOR 2015) valuation model "structure, process, system and result (SPSO)" on care in-hospital cardiac arrest of clinical origin (PCR-IHOC). OBJECTIVE: To describe the experience, exploring their pluripotency, applicability, reproducibility and ability to produce improvements in efficiency aspects, quality and safety in emergency services of the Unified Health System. Experience report. the pioneering project followed the SPSO model, identifying the three strands (previously mentioned) of care for PCR's-IHOC, which are compromised by the lack of an effective model and could be the result of shortcomings in: the organization process of the same; in integrated services; teaching; in the absence of research and / or continuous processes of (re) assessment of the entire structure and processes.

EPIDEMIOLOGICAL PROFILE OF THE POPULATION OF A SECONDARY PUBLIC HOSPITAL ATTENDED BY A RAPID RESPONSE TEAM CARDIOPULMONARY RESUSCITATION PILOT

Adna Sandrielle Oliveira de Lima Medeiros, Amanda Silva Franco, Ataul Moura Guimarães, Matheus Luan Queiroz Alves da Cunha, Fernando Henrique Costa Lemos, Karina Mezalira, Lucas Rodrigues de Oliveira, Luciano Santos Sampaio, Mayane Santana de Oliveira, Julisse Marcela Nepomuceno Aragão, Maxwell Trindade Ferreira, Eunilson Alves de Lima Júnior, Marcia Silva de Oliveira, Glayson Carlos Miranda Verner

Report, focusing on the correlation age vs. comorbidity, the epidemiological profile of patients treated in cardiopulmonary arrest (CPA) by a Rapid Response Team pilot (HRG CPR Team) implemented in secondary public hospital. Controlled clinical trial, non-randomized, registered by the Utstein Style of

comorbidities and age of the population affected by PCR between the months August to November / 2015. Included 149 individuals [Intervention, I: 14 (8m./6f.); Control C: 135 (76m./59f.)]. First 90 days: 182 PCR's incidence (1.51 PCR / day: C: 1.64 / patient; I: PCR 2.07/ patient); significant percentage of individuals are in productive age with chronic comorbidities (heart failure / kidney). PCR affects, significant percentage, patients are in productive age with chronic comorbidities, corroborating the importance of directing health investments to primary care, aiming to prevent the emergence and, once present, properly treat diseases PCR triggering, thus avoiding premature death in this population.

BRASÍLIA CARDIOPULMONAR RESUSCITATION PROJECT (BRASÍLIA CPR PROJECT) - IMPACT ASSESSMENT

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The Brasilia Cardiopulmonary Resuscitation Project (BCP) is an education project and research in emergency, integrative and multidisciplinary basis, developed in a general public hospital in the Federal District (DF-GPH). The main objectives are the training in providing effective care, as required, in cardiopulmonary arrest (CPA) of clinical origin in GPH's. The project also resulted in the training of professionals of the institution, of a group of scholars of medicine and rescuers (volunteers) from the community; the awareness of institutional managers to promote better results in assistances to the intra-hospital cardiac arrest; the development of a research pilot (Brasilia CPR Study - Clinical Trial), which evaluated the effectiveness of the strategy of a Rapid Response Team. These results could forward an alternative to the transformation of poor results in terms of morbidity and mortality in the event, and has the potential to become a service reference in the Brazilian public system to this emergency.

RESUSCITATION HIGH QUALITY CARDIOPULMONARY FOR A QUICK RESPONSE TIME IN A HOSPITAL PUBLIC SECONDARY FEDERAL DISTRICT

Adna Sandrielle Oliveira de Lima Medeiros, Amanda Silva Franco, Ataul Moura Guimarães, Matheus Luan Queiroz Alves da Cunha, Fernando Henrique Costa Lemos, Karina Mezalira, Lucas Rodrigues de Oliveira, Luciano Santos Sampaio, Mayane Santana de Oliveira, Julisse Marcela Nepomuceno Aragão, Luciano Moraes da Cruz, Eunilson Alves de Lima Júnior, Marcia Silva de Oliveira, Glayson Carlos Miranda Verner

the care of in-hospital cardiopulmonary arrest (PCR) according to the latest guidelines of cardiopulmonary resuscitation (CPR) should be performed by rapid response teams (RRT). to evaluate the effectiveness of the strategy of CPR for a TRR in a secondary hospital in obtaining any kind of return of spontaneous circulation (ROSC). controlled trial, non-randomized (intervention, I; control, C) of patients who developed PCR admission/admission into clinical emergencies between Aug-nov/2015. included 149 individuals [I: 14 (8./6f.); C: 135 (76./59f.)]. Analysis until 90 days identified: incidence of 182 PCR (PCR 1.51/day; C: 1.64/patient; I: 2.07 PCR/patient); prevalence (41.7%) night; asystole and HEART SOUNDS evenly distributed in I; recurrence of any type of ROSC in I (i: 2.23 vs. C). the greatest recurrence of PCR 's in I suggest greater effectiveness of interventions, what is there to be explored at the end of the study.

HRG CPR TEAM - TEAM QUICK RESPONSE CARDIOPULMONARY RESUSCITATION: EXPERIENCE OF A PILOT IN A SECONDARY PUBLIC HOSPITAL IN THE FEDERAL DISTRICT

Adna Sandrielle Oliveira de Lima Medeiros, Amanda Silva Franco, Ataul Moura Guimarães, Matheus Luan Queiroz Alves da Cunha, Fernando Henrique Costa Lemos, Karina Mezalira, Lucas Rodrigues de Oliveira, Luciano Santos Sampaio, Mayane Santana de Oliveira, Julisse Marcela Nepomuceno Aragão, Eli Carlos Trindade Ferreira, Eunilson Alves de Lima Júnior, Marcia Silva de Oliveira, Glayson Carlos Miranda Verner

Objective: To describe the experience of a pilot Rapid Response Team (RRT) in cardiopulmonary resuscitation (CPR) composed of health professionals (HP) and medical students (MS) in a secondary public hospital (HPS). Guidelines CPR-ILCOR / 2015 consolidated the RRT's in meeting the PCR's. TRR a pilot with 36 members (11 HP / 26 MS) was trained to act in emergency clinic of a HPS. In a controlled clinical trial, non-randomized evaluated the efficacy (return occurrence of spontaneous circulation, ROSC) of high-quality CPR by TRR (group I) to patients demonstrating PCR admission / admission. Included in four months, 149 individuals [I: 14 (. 8m./6f); C: 135 (76m./59f.)]. 90 days: 182 PCR's incidence (1.51 PCR / day: C: 1.64 / patient; I: PCR 2.07 / patient); night PCR's (41.7%); asystole and PEA proportional R; higher recurrence ROSC in I (I: C vs. 2.23), suggesting more effective TRR interventions in HP / MS trained configuration.

PRACTICE BASED EVIDENCE AND “PERIOPERATIVE NURSING”: THE ART'S STATE IN MULTIDISCIPLINARY ASSESSMET EXPERIENCE OF PERIOPERATIVE EVALUATION

Adna Sandrielle Oliveira de Lima Medeiros, Jéssica Coli Dantas, Thiago Nunes Figueiredo Cabral, Luciano Santos Sampaio, Rayanne Cristina Araújo Balbino, Celi Regina Matias Tomás Pedroso, Marcia Silva de Oliveira, Glayson Carlos Miranda Verner

Practice-Based Evidence (PBE) it's a medical and nursing practice that covers aspects about attention to patients using racional and cientific evidences. Can happen, for exemple, on the newly implemented of multidisciplinary assessmet of perioperative evaluations. A neo nursing model ["perioperative nursing (PN)"] seems to grow up in this scene. Objective: To characterize the art's state of PBE in the construction of PN, observing influences of a Ri-APA model in a public hospital in Distrito Federal. Methodology: Explain 2 years of experience in a job, to discuss the pioneer model. Discussion: The evaluated strategy seems to be a positive investment (improves the attendance efficiency and the costumers satisfaction; it develops clinical evaluation of protocols, educational and research programs; seems to decrease expenses). It allows professional expectations, educational and technical-scientific advances. And, in the way to practice nursing, allowing to realize a new professional paradigma, the "PN".

Author Index

A

Acimar Gonçalves da Cunha Júnior, 33, 34
Adilton Douglas Schiavon Felix, 26
Adna Sandrielle Oliveira de Lima Medeiros,
31, 32, 33, 34, 36, 38
Amanda Coqueiro Silva, 28, 29, 30
Amanda Silva Franco, 36, 38
Ana Júlia Ferreira Rocha, 25
Ana Lúcia da Fonseca Bragança Pinheiro,
25
Ana Luiza Mattos Braga, 26, 27
Ana Yasmin Rodrigues Machado Portela,
35
André Luiz de Lima Reda, 25, 26
Anna Clara Barros Regatieri, 35
Ataul Moura Guimarães, 36, 38

B

Bianca Cordeiro da Silva Trigueiro, 35
Bruna Viana Dias, 35
Caio Medeiros de Oliveira, 31, 32, 33, 34
Camila Santos Correa, 28, 29, 30
Carlos Mauricio Rocha Barroso, 26
Carlos Scurati, 30
Celi Regina Matias Tomás Pedroso, 38
Clara Caroline Monteiro, 26
Claudio da Rocha Brito, 25
Claudio Dominighini, 30

D

Davi Silva dos Santos, 31, 34, 35
David Barreira Gomes Sobrinho, 35
Domingos Teixeira da Silva Neto, 28, 29,
30
Draicienne Silva da Rocha, 31, 32, 33, 34,
35

E

Edson Viana Carvalho, 29, 30
Eduardo Tadeu Lacreta de Toledo Filho, 26
Elenice José Pereira, 32
Eli Carlos Trindade Ferreira, 38
Eric Lima Mendonça do Nascimento, 31,
32, 33, 34
Eunilson Alves de Lima Júnior, 36, 38

F

Fernando Henrique Costa Lemos, 36, 38
Franciolly Roberto Pires, 31, 33, 34, 35

G

Gabriela Oliveira de Sousa, 34, 35
Glaysen Carlos Miranda Verner, 36, 38
Gondor Elias Ferreira Neto, 31, 34, 35

H

Hannah Caroline Proença, 26

J

Jéssica Coli Dantas, 38
João Paulo Barbosa de Jesus, 31, 32, 33,
34
Jorge Makoto Tomita, 25
José Vicente Ferreira Neto, 26
Julisse Marcela Nepomuceno Aragão, 36,
38

K

Karina Mezalira, 36, 38

L

Lara de Oliveira Carvalho, 28, 29, 30
Lídia da Silva Monteiro, 27
Lívia Cristina Mietherhofer de Oliveira, 27
Lucas do Carmo Souza, 34, 35
Lucas Muscia, 30
Lucas Rodrigues de Oliveira, 36, 38
Luciano Santos Sampaio, 36, 38
Ludmila de Oliveira Jaime Sales, 34, 35
Luiz Heleno Moreira Duque, 27
Luiza Helena Pereira Souza, 26

M

Magda Aparecida Salgueiro Duro, 25
Manoel Messias Coutinho Meira, 28, 29, 30
Marcelo Gottardo, 30
Marcelo Olivero, 30
Marcia Silva de Oliveira, 31, 32, 33, 34, 35,
36, 38
Mariano Fernando Soares De Araújo, 35
Matheus Luan Queiroz Alves da Cunha, 31,
34, 35, 36, 38
Maxwell Trindade Ferreira, 36
Mayane Santana de Oliveira, 36, 38
Melany M. Ciampi, 25

P

Polyane Alves Santos, 28, 29, 30

R

Rayanne Cristina Araújo Balbino, 38
Ricardo da Silva Reis, 28, 29, 30
Ruann Rafael Costa, 26, 27

T

Thiago Nunes Figueiredo Cabral, 38

V

Victor Freitas de Azeredo Barros, 25
Victor Monsores Osaki, 35
Vladimir Lopes de Souza, 27

W

Wernner Jardim, 26

Z

Zulma Cataldi, 30

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RESEARCH AND PARTICIPATION, KNOWLEDGE AND ACTING: A CHALLENGE FOR THE RESEARCHER IN CONTEMPORARY TIMES