

DAY APRIL 15

POSTERS. ISOTOPES IN MAGMATIC SYSTEMS AND MINERAL RESOURCES

- 01 - CHARACTERIZATION OF REFERENCE MATERIAL FOR APPLICATION IN U-PB GEOCHRONOLOGY. (Fernanda Alves Cerqueira et al.)
- 02 - LASER ABLATION IN ZIRCON AND IMPLICATIONS FOR FRACTIONATION IN U-PB ANALYSES USING LA-ICP-MC-MS. (Marco Coelho et al.)
- 03 - NEW LU-HF ISOTOPES APPLIED TO ANOROGENIC MAGMATISM IN RONDÔNIA: MANTLE VERSUS CRUSTAL SOURCE AND IMPLICATIONS TO RODINIA AMALGAMATION. (Romero Silva et al.)
- 04 - NEW U-PB AGES IN ZIRCON AND MONAZITE FROM THE PASSA QUATRO INTRUSION (SE BRAZIL): IMPLICATIONS FOR ALKALINE MAGMA SOURCE. (Marco da Silva Machado et al.)
- 05 - NEW INSIGHTS ON GONDWANA ASSEMBLY: AGE, PROVENANCE, AND TECTONIC SETTING OF THE NORTHEAST PATAGONIA BASEMENT BY DETRITAL ZIRCON U-Pb-Hf ISOTOPES. (Pablo D. Gonzalez et al.)
- 06 - MAGMATISM OF NORTHEASTERN PATAGONIA REVISITED: NEW INSIGHTS FROM U-Pb ISOTOPIC ANALYSES WITH REGIONAL IMPLICATIONS. (Pablo D. Gonzalez et al.)
- 07 - TRACING SUBDUCTION RECYCLING IN THE CENTRAL AMERICAN ARC USING MOLYBDENUM ISOTOPES. (Stephan Konig et al.)
- 08 - K-AR AGE AND PETROLOGY OF THE MESOZOIC OLIVINE GABBRO DIKE AT MANSAVILLAGRA, FLORIDA, URUGUAY. (Enrique Masquelin et al.)
- 09 - SILICON ISOTOPES IN HYDROTHERMAL SYSTEMS: METHODOLOGY AND APPLICATIONS AT THE EL TATIO GEYSER FIELD, CHILE. (Rurik Romero et al.)
- 10 - ISOTOPIC HOMOGENEIZATION BALANCE OF $87\text{SR}/86\text{SR}$ RATIO FROM APTIAN TO ALBIAN: SANTOS AND NAMIBE BASINS. (Bernardo Kahter et al.)
- 11 - SEDIMENT RECYCLING AND LITHOSPHERIC MANTLE METASOMATISM AS DRIVERS OF MAFIC MAGMATISM IN THE SOUTHERN BORBOREMA PROVINCE. (Fabio Pereira et al.)
- 12 - REVISITING K-AR GEOCHRONOLOGY USING MODERN NOBLE GAS MASS SPECTROMETRY: METHOD EVALUATION AND DATING SAMPLES FROM THE JACUPIRANGA ALKALINE COMPLEX, BRAZIL. (Leandro Figueiredo et al.)
- 13 - CRUSTAL AND MANTLE SOURCES OF THE PICADAS GRANITIC ASSOCIATION: INFERENCES FROM WHOLEROCK ND, ZIRCON HF ISOTOPIC AND PETROGRAPHY. (Ana Clara Jardim Ferreira et al.)
- 14 - QUARTZ CHEMISTRY OF GRANITIC PEGMATITES FROM THE BORBOREMA AND ARAÇUAÍ PEGMATITE PROVINCES: IMPLICATIONS FOR PEGMATITE FERTILITY AND LITHIUM EXPLORATION. (Carolina Moreto et al.)
- 15 - TIMS TECHNIQUES FOR MEASURING STRONTIUM ISOTOPE RATIOS IN APATITE GRAINS AND APPLICATION TO IGNEOUS ROCK PETROLOGY. (Carla Neto et al.)

16 - INSIGHTS INTO STABLE ISOTOPES C-O OF THE NEOPROTEROZOIC METACARBONATITES IN PASSO FEIO COMPLEX, DOM FELICIANO BELT, SOUTHERNMOST BRAZIL. (Luisa Caon et al.)

17 - SI AND O ISOTOPE ANALYSIS OF SiO₂ PHASES VIA SIMS: IMPLICATIONS FOR AN EPIGENETIC ORIGIN OF GEODES IN THE PARANÁ VOLCANIC PROVINCE. (Felipe Leitzke et al.)

18 - U-Pb ZIRCON GEOCHRONOLOGY AND Sr-Nd ISOTOPE SIGNATURES OF POST-COLLISIONAL, CRYOGENIAN TONALITES AND GRANODIORITES FROM THE SÃO GABRIEL BLOCK, WESTERN DOM FELICIANO BELT, SOUTHERNMOST BRAZIL. (Felipe Manfredini Peruchi et al.)

POSTERS: ISOTOPES IN SEDIMENTARY SEQUENCES

19 - U-Pb DETRITAL ZIRCON DATING AND Nd ISOTOPES OF THE MINAS DE CORRALES FORMATION, ISLA CRISTALINA DE RIVERA (URUGUAY). (Paulina Abre & Gonzalo Blanco)

20 - Nd ISOTOPES AND WHOLE ROCK GEOCHEMISTRY OF THE PAYSANDÚ GROUP (UPPER CRETACEOUS, URUGUAY) (Gonzalo Blanco et al.)

21 - ALBIAN OCEANIC ANOXIC EVENTS (OAEs) IN THE SOUTH ATLANTIC: INSIGHTS FROM STABLE CARBON ISOTOPE DATA. (Mauro Rodrigues et al.)

22 - ISOTOPIC CONSTRAINTS ON THE INTERACTION AMONG BASINAL BRINES, HYDROCARBONS, AND MAGMATIC HEAT: INSIGHTS FROM THE COLIPILLI BARITE SYSTEM (NEUQUÉN BASIN, ARGENTINA). (Melisa Salvioli et al.)

23 - APPLICATION OF DZ MIX MODELLING TO CONSTRAIN SEDIMENT SOURCES DURING THE EARLY CRETACEOUS OF THE NEUQUÉN BASIN, ARGENTINA. (Francisco Lugo et al.)

24 - MINERALOGICAL AND GEOCHEMICAL CHARACTERIZATION OF CLAY MINERALS IN AN ALKALINE-EVAPORITIC ENVIRONMENT AT LAGUNA TIMONE, PALI-AIKE VOLCANIC FIELD, CHILEAN PATAGONIA. (Liv Gabrielle Ferreira Salerno et al.)

25 - UNRAVELING THE PROVENANCE HISTORY OF THE FIRST SHORT-LIVED GLACIATION IN THE WESTERN GONDWANA. (Camila Vilar de Oliveira et al.)

26 - PALEOTHERMOMETRIC SIGNATURES IN BRAZILIAN CARBONATES: MICROTHERMOMETRY WITH CLUMPED ISOTOPES FRACTIONATION. (Adelita Rodrigues et al.)

27 - WC1 REFERENCE MATERIAL FOR U-PB CARBONATE DATING BY LA-ICP-MS: ADVANCES IN LABORATORY PROCEDURES AND MATRIX EFFECT ISSUES. (Abril Sarrido et al.)

28 - METAL CHEMOSTRATIGRAPHY AND ISOTOPES AT THREE CLASSICAL P–TR TRANSITION SECTIONS LINK THE LARGEST PHANEROZOIC MASS EXTINCTION TO VOLCANISM (Alcides Sial et al.)

29 - TRACING CARBONATE WEATHERING USING STABLE CARBON AND OXYGEN ISOTOPES IN THE JANDAÍRA FORMATION, POTIGUAR BASIN, NORTHEAST BRAZIL. (Maria Daniela Traslaviña et al.)

30 - MID-OLIGOCENE BRAARUDOSPHERA ACMES FROM SOUTH ATLANTIC OCEAN: NEW CONTRIBUTIONS FROM GEOCHEMICAL ASPECTS. (Franciele Trenton et al.)

- 31 - LITHOLOGICAL AND DIAGENETIC CONTROLS ON CARBONATE CARBON AND OXYGEN ISOTOPES IN THE VACA MUERTA FORMATION (NEUQUÉN BASIN, ARGENTINA). (Tobías Muñoz et al.)
- 32 - VOLCANIC ASH AS AN ACTIVE CONTROL ON THE IRATI OIL-SHALE SYSTEM IN THE UPPER ASSISTÊNCIA MEMBER, PARANÁ BASIN: BENTONITE-DRIVEN NUTRIENT PULSES, SEALING, AND CARBONATE–SILICA DIAGENESIS. (Guilherme de Souza Amaral et al.)
- 33 - TOO YOUNG TO BE TRUE: LOW-TEMPERATURE HYDROTHERMAL Pb-LOSS IN DETRITAL ZIRCONS AND ITS IMPACT ON PERMIAN MAXIMUM DEPOSITIONAL AGES IN THE PARANÁ BASIN. (Guilherme de Souza Amaral et al.)
- 34 - CARBONATE U-Pb GEOCHRONOLOGY AT THE UNIVERSITY OF BRASÍLIA: PITFALLS AND FUTURE PERSPECTIVES. (Guilherme Goncalves et al.)
- 35 - WATER-COLUMN STRATIFICATION AND HYDROGRAPHIC RESTRICTION IN THE IRATI–WHITEHILL SEA, PARANÁ BASIN: ISOTOPIC AND GEOCHEMICAL EVIDENCE. (Jehnifer da Silva Paim et al.)
- 36 - CONTRASTING SENSITIVITIES OF DETRITAL ZIRCON GEOCHRONOLOGY AND HEAVY MINERAL ASSEMBLAGES IN RECONSTRUCTING PROVENANCE EVOLUTION: THE PENNSYLVANIAN–PERMIAN PARNAÍBA BASIN, NE BRAZIL. (João Miguel Maraschin et al.)
- 37 - STABLE AND RADIOGENIC ISOTOPE CONSTRAINTS ($\delta^{13}\text{C}$, $\delta^{18}\text{O}$, AND $^{87}\text{SR}/^{86}\text{SR}$) ON CARBONATE LENSES SOUTH OF THE PASSOS NAPPE, SOUTHERN BRASÍLIA BELT, BRAZIL. (Winicius Silva et al.)
- 38 - EOCENE TO MIOCENE U–PB GEOCHRONOLOGY OF CARBONATES AND PHOSPHATES FROM THE RIO GRANDE RISE (SOUTH ATLANTIC): IMPLICATIONS FOR SEDIMENTARY AND PALEOCEANOGRAPHIC EVOLUTION. (Giovanna Orletti et al.)
- 39 - U-Pb AGES IN DETRITAL ZIRCON FROM INDEPENDENCIA GROUP, WESTERN PARANA BASIN, PARAGUAY. (Yennifer Sarubbi et al.)
- 40 - EARLY PERMIAN ASH-FALL DEPOSIT IN THE RIO BONITO FORMATION CONSTRAINED BY LA-MC-ICP-MS U–Pb ZIRCON AGES, PARANÁ SEDIMENTARY BASIN, SANTA CATARINA, BRAZIL. (Neivaldo Araujo de Castro et al.)
- 41 - TRACING MICRITE ORIGINS IN FLUVIAL CARBONATES OF THE SERRA DA BODOQUENA, MATO GROSSO DO SUL, BRAZIL: A MULTI-ISOTOPE APPROACH ($\delta^{13}\text{C}$, $\delta^{18}\text{O}$, $\delta^{15}\text{N}$, $\delta^2\text{H}$) TO DISTINGUISH METABOLIC AND KINETIC FRACTIONATION. (Ingrid Geraldino et al.)
- 42 – EVALUATION OF THE POTENTIAL OF ZIRCON RAMAN DATING AS A NOVEL THERMOCHRONOLOGICAL TOOL (Airton Coelho et al.)
- 43 – SYSTEMATIC COMBINATORIAL FRAMEWORK FOR ZIRCON RAMAN SPECTROSCOPY OPTIMIZATION. (Antonio Said Webbe et al.)
- 44 - MONAZITE FISSION TRACK: A METHODOLOGICAL ADVANCE TO DATING RECENT GEOLOGICAL PROCESSES. (Airton Dias et al.)